



NetIQ Directory and Resource Administrator PowerShell Commands

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About This Reference

The NetIQ Directory and Resource Administrator PowerShell Reference provides descriptions, syntax, and examples of DRA PowerShell cmdlets that you can execute to take actions with Active Directory objects, servers, and domains in DRA.

Intended Audience

This book provides information for individuals responsible for understanding administration concepts and implementing a secure, distributed administration model.

Additional Documentation

This guide is part of the Directory and Resource Administrator documentation set. For the most recent version of this guide and other DRA documentation resources, visit the [DRA Documentation website \(https://www.netiq.com/documentation/directory-and-resource-administrator/index.html\)](https://www.netiq.com/documentation/directory-and-resource-administrator/index.html).

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1 Overview

The DRA PowerShell Reference provides descriptions, syntax, and examples of DRA PowerShell cmdlets that you can execute to take actions with Active Directory objects, servers, and domains in DRA.

Backslash Usage in Object Names

In DRA, do not use the backslash “\” character in single form as any part of an object name when performing operations on objects in DRA PowerShell, it will produce an error. Use two backslashes in sequence to avoid an error. Here is an example:

```
Get-DRAContact -Domain 'dom010250.lab' -IgnoreCertificateErrors -  
Identifier 'CN=Vijay\\Contact,OU=Vijay,DC=dom010250,DC=lab' (Gets the  
contact with name 'Vijay\Contact')
```


2 Advanced Query Commands

This section contains cmdlets you can execute for Advanced Query.

Add-DRAAdvancedQuery

Synopsis

Adds a new advanced query.

Syntax

```
Add-DRAAdvancedQuery -Properties <Hashtable> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Add-DRAAdvancedQuery cmdlet creates a new advanced query in DRA with the properties specified. You must have the Create Private Advanced Query power to create queries in the 'My' query folder and the Create Public Advanced Query power to create queries in the 'Public' query folder. The following properties must be set:

BaseContainer, Query, IncludeChildContainers, Columns and either QueryIdentifier or both Name and QueryFolder.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Properties <Hashtable></p> <p>A hashtable of property values. The key is the name of a defined property in the REST interface. For example: <code>-Properties @{Description="Finds all computers"}</code></p> <p>Multiple values are specified as a comma-separated list.</p> <p>For example: <code>-Properties @{Columns="class", "path", "friendlyName"}</code></p> <p>If the property value contains a quote it needs to be escaped with a backtick (`).</p> <p>For example: <code>-Properties @{Description="my `test` query"}</code></p>	true	named		true (ByPropertyName)	false
<p>DRAHostServer [<String>]</p> <p>The name of the computer running the DRA Host Service. The DRA REST server will send the requested operation to the DRA Host Service running on the specified computer. If this parameter is not specified, then the DRA REST Service will attempt to discover a DRA Host Service to use.</p>	false	named		true (ByPropertyName)	false
<p>DRAHostPort [<Int32>]</p> <p>The port number of the DRA Host Service. This parameter is only used when the DRAHostServer parameter is also specified. If the DRAHostServer parameter is specified but the DRAHostPort is not, 11192 will be used as the default Host port.</p>	false	named	11192	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRARestServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port number of the DRA REST Service. This parameter is only used when the <i>DRARestServer</i> parameter is also specified. If the <i>DRARestServer</i> parameter is specified but the <i>DRARestPort</i> is not, 8755 will be used as the default REST port.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the <i>InvalidOperation</i> error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: <i>-Force</i> with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<i><Int32></i>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters>					
Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					
NOTE: For more information, type "Get-Help Add-DRAAdvancedQuery -detailed". For technical information, type "Get-Help Add-DRAAdvancedQuery -full".					

Example 2-1 1

```
PS C:\>Add-DRAAdvancedQuery @{BaseContainer="OnePoint://DC=MyDomain,DC=corp"; Name="All Computers";Columns="path", "friendlyName", "class";QueryFolder="My";Query="(objectClass=computer)";IncludeChildContainers=$true}
```

Creates a new private advanced query that returns the path and friendlyName of all computer objects in the MyDomain.corp domain.

Get-DRAAdvancedQuery

Synopsis

Gets information about a DRA advanced query.

Syntax

```
Get-DRAAdvancedQuery -Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Get-DRAAdvancedQuery cmdlet returns the properties of the requested query. You must have the View Advanced Query power to run this cmdlet.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Identifier <String></p> <p>The advanced query identifier. The identifier format is <folder>\<name>.</p>	true	named		true (ByPropertyName)	false
<p>DRAHostServer [<String>]</p> <p>The name of the computer running the DRA Host Service. The DRA REST server will send the requested operation to the DRA Host Service running on the specified computer. If this parameter is not specified, then the DRA REST Service will attempt to discover a DRA Host Service to use.</p>	false	named		true (ByPropertyName)	false
<p>DRAHostPort [<Int32>]</p> <p>The port number of the DRA Host Service. This parameter is only used when the DRAHostServer parameter is also specified. If the DRAHostServer parameter is specified but the DRAHostPort is not, 11192 will be used as the default Host port.</p>	false	named	11192	true (ByPropertyName)	false
<p>DRARestServer [<String>]</p> <p>The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.</p>	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<i><Int32></i>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	true (ByPropertyName)	false
<p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					

NOTE: For more information, type "Get-Help Get-DRAAdvancedQuery -detailed". For technical information, type "Get-Help Get-DRAAdvancedQuery -full".

Example 2-2 1

```
PS C:\>Get-DRAAdvancedQuery -Identifier "My\AdvancedQuery2"
```

This example requests the properties of AdvancedQuery2 in 'My' folder.

Example 2-3 2

```
PS C:\>Get-DRAAdvancedQuery -Identifier "Public\Advanced Query 1"
```

This example requests the properties of Advanced Query 1 in the 'Public' folder.

Find-AdvancedQueries

Synopsis

Retrieves the list of advanced queries.

Syntax

```
Find-DRAAdvancedQueries [-AdvancedQueryOrFilter <Hashtable>] [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Find-AdvancedQueries cmdlet retrieves the advanced queries from the requested folder in DRA. You can view all advanced queries or you can specify a folder to view its advanced queries. You must have the View Advanced Query power in order to run this cmdlet. See the following example to learn how to view advanced queries from a specific folder.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>AdvancedQueryOrFilter</i> [<i><Hashtable></i>]</p> <p>The properties to use when searching for advanced queries. Currently only QueryFolder is supported and can be set to "My", "Public", or "All". When not specified all queries are returned.</p>	false	named		true (ByPropertyName)	false
<p><i>DRAHostServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA Host Service. The DRA REST server will send the requested operation to the DRA Host Service running on the specified computer. If this parameter is not specified, then the DRA REST Service will attempt to discover a DRA Host Service to use.</p>	false	named		true (ByPropertyName)	false
<p><i>DRAHostPort</i> [<i><Int32></i>]</p> <p>The port number of the DRA Host Service. This parameter is only used when the DRAHostServer parameter is also specified. If the DRAHostServer parameter is specified but the DRAHostPort is not, 11192 will be used as the default Host port.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.</p>	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<i><Int32></i>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	true (ByPropertyName)	false
<p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					

NOTE: For more information, type "Get-Help Find-DRAAdvancedQueries -detailed". For technical information, type "Get-Help Find-DRAAdvancedQueries -full".

Example 2-4 1

```
PS C:\>Find-AdvancedQueries
```

Requests advanced queries from all folders.

Example 2-5 2

```
PS C:\>Find-AdvancedQueries -AdvancedQueryOrFilter @{QueryFolder="My"}
```

Requests advanced queries from the 'My' folder.

Example 2-6 3

```
PS C:\>Find-AdvancedQueries -AdvancedQueryOrFilter @{QueryFolder="Public"}
```

Requests advanced queries from the 'public' folder.

Remove-DRAAdvancedQuery

Synopsis

Deletes an advanced query.

Syntax

```
Remove-DRAAdvancedQuery -Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Remove-DRAAdvancedQuery cmdlet deletes the specified advanced query.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Identifier <String>	true	named		true (ByPropertyName)	false
The advanced query identifier. The identifier format is <folder>\<name>.					

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRAHostServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA Host Service. The DRA REST server will send the requested operation to the DRA Host Service running on the specified computer. If this parameter is not specified, then the DRA REST Service will attempt to discover a DRA Host Service to use.</p>	false	named		true (ByPropertyName)	false
<p><i>DRAHostPort</i> [<i><Int32></i>]</p> <p>The port number of the DRA Host Service. This parameter is only used when the DRAHostServer parameter is also specified. If the DRAHostServer parameter is specified but the DRAHostPort is not, 11192 will be used as the default Host port.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.</p>	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>IgnoreCertificateErrors</i> [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
<i>Force</i> [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
<i>Timeout</i> [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					

NOTE: For more information, type "Get-Help Remove-DRAAdvancedQuery -detailed". For technical information, type "Get-Help Remove-DRAAdvancedQuery -full".

Example 2-7 1

```
PS C:\> Remove-DRAAdvancedQuery -Identifier "Public\AllComputers"
```

This example deletes the advanced query named AllComputers from the Public folder.

Set-DRAAdvancedQuery

Synopsis

Updates the properties of an existing advanced query in DRA.

Syntax

```
Set-DRAAdvancedQuery -Properties <Hashtable> -Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Set-DRAAdvancedQuery cmdlet modifies the specified advanced query. The requesting user must have the Create Private Advanced Query power to update the properties of an existing private query and the Create Public Advanced Query power to update a public query. You must specify values for all the following properties even if their values have not changed:

BaseContainer, Description, Columns, IncludeChildContainers, and Query.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>Properties <Hashtable></i> A hashtable of property values. The key is the name of a defined property in the REST interface. For example: <code>-Properties @{Description="Finds all computers"}</code> Multiple values are specified as a comma-separated list. For example: <code>-Properties @{Columns="class", "path", "friendlyName"}</code> If the property value contains a quote it needs to be escaped with a backtick (`). For example: <code>-Properties @{Description="my `test` query"}</code>	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Identifier <String></p> <p>The advanced query identifier. The identifier format is <folder>\<name>.</p>	true	named		true (ByPropertyName)	false
<p>DRAHostServer [<String>]</p> <p>The name of the computer running the DRA Host Service. The DRA REST server will send the requested operation to the DRA Host Service running on the specified computer. If this parameter is not specified, then the DRA REST Service will attempt to discover a DRA Host Service to use.</p>	false	named		true (ByPropertyName)	false
<p>DRAHostPort [<Int32>]</p> <p>The port number of the DRA Host Service. This parameter is only used when the DRAHostServer parameter is also specified. If the DRAHostServer parameter is specified but the DRAHostPort is not, 11192 will be used as the default Host port.</p>	false	named	11192	true (ByPropertyName)	false
<p>DRARestServer [<String>]</p> <p>The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.</p>	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<i><Int32></i>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	true (ByPropertyName)	false
<p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					

NOTE: For more information, type "Get-Help Set-DRAAdvancedQuery -detailed". For technical information, type "Get-Help Set-DRAAdvancedQuery -full".

Example 2-8 1

```
PS C:\>Set-DRAAdvancedQuery -Identifier "My\Advanced Query 1" -Properties
@{Description="Some
description";Columns="Name", "DisplayName", "Description";Query="(objectClas
s=organizationalUnit)";BaseContainer="OnePoint://
OU=Accounting,DC=MyDomain,DC=corp";IncludeChildContainers=$True}
```

This example updates the properties of My\Advanced Query 1.

3 Azure Group Commands

This section contains cmdlets you can execute for Azure groups.

Add-AzureDRAGroupMembers

Synopsis

Adds members to an existing Azure group that is managed by DRA.

Syntax

```
Add-AzureDRAGroupMembers -Tenant <String> [-Groups <String[]>] [-Users <String[]>] [-AzureGroups <String[]>] [-AzureUsers <String[]>] -Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Add-AzureDRAGroupMembers cmdlet adds objects to an Azure group managed by DRA. The requesting user must have the Add Object to Azure Group power or a custom power with the necessary powers for the requested attributes. The command accepts arrays of identifiers for each of the supported object types that can be members of a group. An identifier and at least one member must be specified.

Parameters

Attribute / Description	Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Groups [<i><String[]></i>] An array of existing Active Directory group identifiers to add to the Azure group. An identifier can be a distinguished name.	false	named		true (ByPropertyName)	false
Users [<i><String[]></i>] An array of existing Active Directory user identifiers to add to the Azure group. An identifier can be a distinguished name.	false	named		true (ByPropertyName)	false

Attribute / Description	Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>AzureGroups [<i><String[]></i>]</p> <p>An array of existing Azure group identifiers to add to the Azure group.</p> <p>An identifier is a distinguished name, for example, "CN=CB58BFCE-1E49-4FA5-AF0A-E2B5068F8073,az=corp",</p> <p>and multiple distinguished names can be comma separated: "CN=CB58BFCE-1E49-4FA5-AF0A-E2B5068F8073,az=corp" , "CN=C503F54F-6357-4831-A74A-B2EA06ED6806,az=corp"</p>	false	named		true (ByPropertyName)	false
<p>AzureUsers [<i><String[]></i>]</p> <p>An array of existing Azure user identifiers to add to the Azure group.</p> <p>An identifier is a distinguished name, for example, "CN=7939934-425325-35353-35235B,az=corp",</p> <p>and multiple distinguished names can be comma separated: "CN=7939934-425325-35353-35235B,az=corp" , "CN=A30226EA-6A55-43C1-B7AF-E694BDF97836,az=corp"</p>	false	named		true (ByPropertyName)	false
<p>Identifier <i><String></i></p> <p>The GUID of the Azure group.</p> <p>For example: 3FB3B182-FAA2-476A-9843-5F77B245DD03</p>	true	named		true (ByPropertyName)	false

Attribute / Description	Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Tenant <String> The Tenant ID of the object in GUID or displayname format. For example: b201d8g8-087e-5n9d-9986-c4d987bfa0b1 or MyTenant	true	named		true (ByPropertyName)	false
DRAHostServer [<String>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRAHostPort [<Int32>] The port where the DRA Host Service listens for requests. This parameter is used only when the DRAHostServer parameter is also specified. If the parameter is not specified, the value defaults to 11192.	false	named	11192	true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. This parameter is used only when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>IgnoreCertificateErrors</i> [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
<i>Force</i> [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
<i>Timeout</i> [<Int32>] The wait time in seconds before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					

NOTE: For more information, type "Get-Help Add-AzureDRAGroupMembers -detailed". For technical information, type "Get-Help Add-AzureDRAGroupMembers -full".

Example 3-1 1

```
PS C:\>Add-AzureDRAGroupMembers -Tenant MyTenant -Identifier 23225bb1-5ac0-4b4c-a23c-beb7fad44b65 -Groups "CN=MyGroup,OU=Accounting,DC=MYDOMAIN,DC=corp" -Users "CN=MyUser,OU=Users,OU=ABC,OU=ABC-Parent,DC=MYDOMAIN,DC=corp" -AzureGroups "CN=7939934-425325-35353-35235B,az=MyTenant" -AzureUsers "CN=CB58BFCE-1E49-4FA5-AF0A-E2B5068F8073,az=MyTenant"
```


This example adds an Azure group, an Azure user, a group, and a user to an Azure group in the Azure Tenant. Multiple Azure objects of any type can be added by using a comma to separate the members.

Example 3-2 2

```
PS C:\>Add-AzureDRAGroupMembers -Tenant MyTenant -Identifier 23225bb1-5ac0-4b4c-a23c-beb7fad44b65 -Groups "CN=MyGroup,OU=Accounting,DC=MYDOMAIN,DC=corp" -Users "CN=MyUser,OU=Users,OU=ABC,OU=ABC-Parent,DC=MYDOMAIN,DC=corp" -AzureGroups "CN=7939934-425325-35353-35235B,az=MyTenant" -AzureUsers "CN=CB58BFCE-1E49-4FA5-AF0A-E2B5068F8073,az=MyTenant", "CN=09A8BFCE-1E93-0AA5-990A-A8C0579FB128,az=MyTenant"
```

This example adds an Azure group, two Azure users, a group, and a user to an Azure group in the Azure Tenant. Multiple Azure objects of any type can be added by using a comma to separate the members.

Get-AzureDRAGroup

Synopsis

Gets a group in Azure Active Directory.

Syntax

```
Get-AzureDRAGroup -Tenant <String> [-AzureGroupAndFilter <Hashtable>] [-AzureGroupOrFilter <Hashtable>] [-Identifier <String>] [-Attributes <String[]>] [-PowersForOperations <String[]>] [-VisiblePropertiesOnly <SwitchParameter>] [-EnforceServerLimit <SwitchParameter>] [-ObjectsPerResponse <Int32>] [-ResumeString <String>] [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Get-AzureDRAGroup cmdlet gets a group in Azure Active Directory. The requesting user must have the View All Azure Group Properties power or a custom power with the necessary powers for the requested attributes. You can view the default list of attributes or specify specific attributes. See the examples for information on how to view specific attributes.

Parameters

Attribute / Description	Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>AzureGroupAndFilter</i> [<Hashtable>] The group properties to use when searching for group objects. Groups matching all of the listed properties will be returned.	false	named		true (ByPropertyName)	false
<i>AzureGroupOrFilter</i> [<Hashtable>] The group properties to when searching for group objects. Groups matching any of the listed properties will be returned.	false	named		true (ByPropertyName)	false
<i>Identifier</i> [<String>] The GUID of the Azure group. For example: 3FB3B182-FAA2-476A-9843-5F77B245DD03	false	named		true (ByPropertyName)	false
<i>Tenant</i> <String> The Tenant ID of the object in GUID or displayname format. For example: b201dhg8-087e-5n9d-9986-c4d987bfa0b1 or MyTenant	true	named		true (ByPropertyName)	false
<i>Attributes</i> [<String[]> An array of attributes to retrieve specific values. If this parameter is missing, a default list of attributes is returned.	false	named		true (ByPropertyName)	false
<i>PowersForOperations</i> [<String[]>] An array of DRA operation names for which you want the server to return read/write permission information. This parameter is typically used by a UI-based client to hide or disable elements the calling user does not have powers for.	false	named		true (ByPropertyName)	false

Attribute / Description	Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>VisiblePropertiesOnly</i> [<SwitchParameter>] A flag to indicate whether DRA should return only properties the caller has power to view. By default, DRA will return an error if the caller requests a property that they do not have power to view. By specifying this flag, DRA is instructed to not return an error and instead just not return a value for such properties.	false	named		false	false
<i>EnforceServerLimit</i> [<SwitchParameter>] A switch parameter indicates that the search results should be limited by the search result limit on the DRA Server. The typical server limit is 1000 items. The default is true.	false	named		false	false
<i>ObjectsPerResponse</i> [<Nullable`1>] The number of objects to return in a response. The default is 250.	false	named		false	false
<i>ResumeString</i> [<String>] When multiple responses are needed to return all of the search results to the client, this parameter indicates the last item returned from the server. The value of this parameter would be set using the ResumeString attribute from the previous set of results. The ResumeString may look like this: "CN=MYUser160,CN=Users,DC=MyDomain,DC=corp" or "CN=679F4DD0-5C6C-412F-B600-DCADD401DA0D,az=3e6d3c95-7249-4036-8af5-e6a4f517bd68"	false	named		false	false

Attribute / Description	Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>DRAHostServer</i> [<i><String></i>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRAHostPort</i> [<i><Int32></i>] The port where the DRA Host Service listens for requests. This parameter is used only when the DRAHostServer parameter is also specified. If the parameter is not specified, the value defaults to 11192.	false	named	11192	true (ByPropertyName)	false
<i>DRARestServer</i> [<i><String></i>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRARestPort</i> [<i><Int32></i>] The port where the DRA REST Service listens for requests. This parameter is used only when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
<i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false

Attribute / Description	Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?

Force [<i><SwitchParameter></i>]	false	named		false	false
---	-------	-------	--	-------	-------

Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.

Timeout [<i><Int32></i>]	false	named	100 seconds	true (ByPropertyName)	false
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The wait time in seconds before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.

<CommonParameters>

Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see [About CommonParameters \(http://go.microsoft.com/fwlink/?LinkID=113216\)](http://go.microsoft.com/fwlink/?LinkID=113216).

NOTE: For more information, type "Get-Help Get-AzureDRAGroup -detailed". For technical information, type "Get-Help Get-AzureDRAGroup -full".

Example 3-3 1

```
PS C:\>Get-AzureDRAGroup -Tenant b201dhg8-087e-5n9d-9986-c4d987bfa0b1 -
Identifier 23225bb1-5ac0-4b4c-a23c-beb7fad44b65 -Attributes
"Name", "ID", "FriendlyPath", "FriendlyParentPath", "FriendlyName"
```

This example requests the properties of the group 23225bb1-5ac0-4b4c-a23c-beb7fad44b65 in the tenant b201dhg8-087e-5n9d-9986-c4d987bfa0b1. The Attributes parameter specifies what properties to return. When the Attributes parameter is not present, a default list of properties will be returned.

Example 3-4 2

```
PS C:\>Get-AzureDRAGroup -Tenant b201dhg8-087e-5n9d-9986-c4d987bfa0b1 -
AzureGroupOrFilter @{Name="AA*"} -ObjectsPerResponse 50
```

```
PS C:\>Get-AzureDRAGroup -Tenant b201dhg8-087e-5n9d-9986-c4d987bfa0b1 -
AzureGroupOrFilter @{Name="AA*"} -ObjectsPerResponse 50 -ResumeString
"CN=BE4907B3-E6E3-4E22-B6A6-DCA5EC92F7DF,az=b201dhg8-087e-5n9d-9986-
c4d987bfa0b1"
```

This example returns Azure groups whose names begin with "AA" in the tenant b201dhg8-087e-5n9d-9986-c4d987bfa0b1. If there are more objects than the number specified in `ObjectsPerResponse`, the `ResumeString` will be returned which can be used in a subsequent call to retrieve the next object set. The next line in this example shows how to use the `ResumeString` in the subsequent call.

Example 3-5 3

```
PS C:\>Get-AzureDRAGroup -Tenant MyTenant -AzureUserOrFilter
@{MultiMatch="PF"}
```

In this example, a filter search will be conducted using "PF" with `Multimatch`.

Get-AzureDRAGroupMembers

Synopsis

Gets the list of members for an Azure group.

Syntax

```
Get-AzureDRAGroupMembers -Tenant <String> -Identifier <String> [-
EnforceServerLimit <SwitchParameter>] [-Attributes <String[]>] [-
DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-
DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force
<SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The `Get-AzureDRAGroupMembers` cmdlet returns the members of the requested Azure group. The requesting user must have the `View All Azure Group Properties` power or a custom power with the necessary powers for the requested attributes. You can view the default list of attributes or specify specific attributes. You can also control the number of members returned in the results, and iterate result sets, if necessary. See the examples for information on how to view specific attributes and how to control the pages of results returned from the server. The response will also have the attribute `TotalObjectCount` which contains the total number of results available from the server. You can use this attribute to determine the total number of members in the group, and the number of result sets that will be needed to process all of the members.

Parameters

Attribute / Description	Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Identifier <String></p> <p>The GUID of the Azure group.</p> <p>For example: 3FB3B182-FAA2-476A-9843-5F77B245DD03</p>	true	named		true (ByPropertyName)	false
<p>Tenant <String></p> <p>The Tenant ID of the object in GUID or displayname format.</p> <p>For example: b201dhg8-087e-5n9d-9986-c4d987bfa0b1 or MyTenant</p>	true	named		true (ByPropertyName)	false
<p>EnforceServerLimit [<SwitchParameter>]</p> <p>A switch parameter to indicate that the search results should be limited by the search result limit on the DRA Server. The typical server limit is 1000 items. The default is true.</p>	false	named		false	false
<p>Attributes [<String[]>]</p> <p>An array of attributes to retrieve specific values. If this parameter is missing, a default list of attributes is returned.</p>	false	named		true (ByPropertyName)	false
<p>DRAHostServer [<String>]</p> <p>The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false

Attribute / Description	Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>DRAHostPort</i> [<i><Int32></i>] The port where the DRA Host Service listens for requests. This parameter is used only when the DRAHostServer parameter is also specified. If the parameter is not specified, the value defaults to 11192.	false	named	11192	true (ByPropertyName)	false
<i>DRARestServer</i> [<i><String></i>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRARestPort</i> [<i><Int32></i>] The port where the DRA REST Service listens for requests. This parameter is used only when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
<i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
<i>Force</i> [<i><SwitchParameter></i>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false

Attribute / Description	Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Timeout [<i><Int32></i>]	false	named	100 seconds	true (ByPropertyName)	false
<p>The wait time in seconds before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p> <p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					

NOTE: For more information, type "Get-Help Get-AzureDRAGroupMembers -detailed". For technical information, type "Get-Help Get-AzureDRAGroupMembers -full".

Example 3-6 1

```
PS C:\>Get-AzureDRAGroupMembers -Tenant b201dhg8-087e-5n9d-9986-c4d987bfa0b1 -Identifier 23225bb1-5ac0-4b4c-a23c-beb7fad44b65
```

This example retrieves the members for the Identifier which resides in the Tenant.

Example 3-7 2

```
PS C:\>Get-AzureDRAGroupMembers -Tenant b201dhg8-087e-5n9d-9986-c4d987bfa0b1 -Identifier 23225bb1-5ac0-4b4c-a23c-beb7fad44b65 -ObjectsPerResponse 10
```

This example retrieves a limited number of members for the Identifier which resides in the Tenant. The server should return a maximum of 10 items in the response.

Get-AzureDRAGroupMembership

Synopsis

Retrieves the list of groups that contain the Azure group or Azure user specified by the Identifier and IdentifierClass parameters.

Syntax

```
Get-AzureDRAGroupMembership -Tenant <String> -IdentifierClass <String> -
Identifier <String> [-EnforceServerLimit <SwitchParameter>] [-Attributes
<String[]>] [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Get-AzureDRAGroupMembership cmdlet returns the groups that have the Identifier object as a member. The requesting user must have the View All Azure Group Properties power or a custom power with the necessary powers for the requested attribute. You can view the default list of attributes or specify specific attributes. You can also control the number of groups returned in the results, and iterate result sets, if necessary. See the examples for information on how to view specific attributes and control the pages of results returned from the server. The response will also have the attribute TotalObjectCount which contains the total number of groups containing the Identifier object as a member.

Parameters

Attribute / Description	Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
IdentifierClass <String> Specifies the object type of the Identifier. Valid values are azuregroup and azureuser.	true	named		true (ByPropertyName)	false
Identifier <String> The GUID of the Azure object. For example: 3FB3B182-FAA2-476A-9843-5F77B245DD03	true	named		true (ByPropertyName)	false
Tenant <String> The Tenant ID of the object in GUID or displayname format. For example: b201dhg8-087e-5n9d-9986-c4d987bfa0b1 or MyTenant	true	named		true (ByPropertyName)	false

Attribute / Description	Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>EnforceServerLimit</i> [<SwitchParameter>] A switch parameter to indicate that the search results should be limited by the search result limit on the DRA Server. The typical server limit is 1000 items. The default is true.	false	named		false	false
<i>Attributes</i> [<String[]>] An array of attributes to retrieve specific values. If this parameter is missing, a default list of attributes is returned.	false	named		true (ByPropertyName)	false
<i>DRAHostServer</i> [<String>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRAHostPort</i> [<Int32>] The port where the DRA Host Service listens for requests. This parameter is used only when the DRAHostServer parameter is also specified. If the parameter is not specified, the value defaults to 11192.	false	named	11192	true (ByPropertyName)	false
<i>DRARestServer</i> [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false

Attribute / Description	Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port where the DRA REST Service listens for requests. This parameter is used only when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<i><Int32></i>]</p> <p>The wait time in seconds before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	true (ByPropertyName)	false
<p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					
<p>NOTE: For more information, type "Get-Help Get-AzureDRAGroupMembership -detailed". For technical information, type "Get-Help Get-AzureDRAGroupMembership -full".</p>					

Example 3-8 1

```
PS C:\>Get-AzureDRAGroupMembership -Tenant b201dhg8-087e-5n9d-9986-
c4d987bfa0b1 -Identifier 23225bb1-5ac0-4b4c-a23c-beb7fad44b65 -
IdentifierClass "azuregroup" -Attributes "Id", "Name"
```

This example requests the list of groups containing the Azure group in the tenant b201dhg8-087e-5n9d-9986-c4d987bfa0b1. Identifier contains the GUID for the object. The results will contain the set of attributes requested in the Attributes parameter. If the Attributes parameter is not provided, a default list of properties will be returned.

New-AzureDRAGroup

Synopsis

Creates a group in Azure Active Directory.

Syntax

```
New-AzureDRAGroup -Tenant <String> [-Members <String[]>] [-Owners
<String[]>] -Properties <Hashtable> [-DRAHostServer <String>] [-
DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The New-AzureDRAGroup cmdlet creates a group in Azure Active Directory. The requesting user must have the Create Azure Group and Modify All Properties power or a custom power with the necessary powers for the requested attributes.

Parameters

Attribute / Description	Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Members [<i><String[]></i>]	false	named	false	true (ByPropertyName)	false
Adds members while creating an Azure group by providing the distinguished name of each member. For example: "CN=John Smith,OU=Sales,DC=MyCom pany,DC=COM"					

Attribute / Description	Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Owners [<i><String[]></i>]</p> <p>Adds owners while creating an Azure group by providing the distinguished name of each owner. For example: "CN=Rick Jones,OU=Executives,DC=MyCompany,DC=COM"</p>	false	named	false	true (ByPropertyName)	false
<p>Properties <i><Hashtable></i></p> <p>A hashtable of property values. The key is the name of a defined attribute in the REST interface. For example: -Properties @{Name="my azure1"; GroupType="Distribution list"; Mail=email address; MailNickname=<String>}</p> <p>NOTE: Values for GroupType are: Security, Distribution list, Mail-Enabled security, and Office365.</p> <p>If the property value contains a quote it needs to be escaped with a backtick (`).</p> <p>For example: -Properties @{Description="my `test` description"}</p>	true	named		true (ByPropertyName)	false
<p>Tenant <i><String></i></p> <p>The Tenant ID of the object in GUID or displayname format. For example: b201dhg8-087e-5n9d-9986-c4d987bfa0b1 or MyTenant</p>	true	named		true (ByPropertyName)	false
<p>DRAHostServer [<i><String></i>]</p> <p>The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false

Attribute / Description	Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>DRAHostPort</i> [<i><Int32></i>] The port where the DRA Host Service listens for requests. This parameter is used only when the DRAHostServer parameter is also specified. If the parameter is not specified, the value defaults to 11192.	false	named	11192	true (ByPropertyName)	false
<i>DRARestServer</i> [<i><String></i>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRARestPort</i> [<i><Int32></i>] The port where the DRA REST Service listens for requests. This parameter is used only when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
<i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
<i>Force</i> [<i><SwitchParameter></i>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false

Attribute / Description	Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Timeout [<i><Int32></i>]	false	named	100 seconds	true (ByPropertyName)	false
<p>The wait time in seconds before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p> <p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					

NOTE: For more information, type "Get-Help New-AzureDRAGroup -detailed". For technical information, type "Get-Help New-AzureDRAGroup -full".

Example 3-9 1

```
PS C:\>New-AzureDRAGroup -Tenant MyTenant -Properties
@{DisplayName="MyGroup";GroupType="Security" }
```

This example creates an Azure group named MyGroup of type Security in Azure Active Directory using the DisplayName property. The Azure group will be created in the tenant MyTenant. There are three properties set on this Azure group. The Azure group will be a security-enabled Azure group.

Example 3-10 2

```
PS C:\>New-AzureDRAGroup -Tenant MyTenant -Properties
@{DisplayName="MyGroup";MailNickName="MyGroup";GroupType="Distribution
list";Mail="MyGroup@MyTenant.online.com" }
```

This example creates an Azure group named MyGroup of type Distribution in Azure Active Directory using the DisplayName property. The Azure group will be created in the tenant MyTenant. There are four properties set on this Azure group. The Azure group will not be a security-enabled Azure group.

Example 3-11 3

```
PS C:\>New-AzureDRAGroup -Tenant MyTenant -Properties
@{DisplayName="MyGroup";MailNickName="MyGroup";GroupType="Mail-Enabled
security";Mail="MyGroup@MyTenant.online.com" }
```


This example creates an Azure group named MyGroup of type Mail-Enabled Security in Azure Active Directory using the DisplayName property. The Azure group will be created in the tenant MyTenant. There are four properties set on this Azure group. The Azure group will not be a security-enabled Azure group.

Example 3-12 4

```
PS C:\>New-AzureDRAGroup -Tenant MyTenant -Properties
@{DisplayName="MyGroup";MailNickName="MyGroup";GroupType="Office365";Mail=
"MyGroup@MyTenant.online.com;GroupOwnersAdd="CN=a89cc7f6-1e9f-41fc-9715-
f3e27fb1f4cb,az=3d562c8d-1d55-45ae-8288-7b58486bad44"} -DRAHostServer
localhost -DRAHostPort 12000 -DRARestServer localhost -DRARestPort 9000 -
IgnoreCertificateErrors -Force -Timeout 180
```

This example creates an Azure group named MyGroup of type Office 365 in Azure Active Directory using the DisplayName property. The Azure group will be created in the tenant MyTenant. The Azure group will not be a security-enabled Azure group. It specifies the server and its host and REST ports. Also, it ignores certificate errors and suppresses confirmations.

Example 3-13 5

```
PS C:\>New-AzureDRAGroup -Tenant MyTenant -Properties
@{DisplayName="MyGroup";groupType="Security";Mail="MyGroup@MyTenant.online
.com"} -GroupOwnersAdd "CN=b7795c1d-6341-4d83-9aa9-
5bd465f81c59,az=MyTenant", "CN=MyUser,dc=MyDomain,dc=COM" -DRAHostServer
localhost -DRAHostPort 11192 -DRARestServer localhost -DRARestPort 8755 -
IgnoreCertificateErrors -Force
```

This example creates an Azure group named MyGroup of type Security. The Azure group will be created in the tenant MyTenant. This example adds Azure objects and synced objects as owners to the group while creating a group.

Example 3-14 6

```
PS C:\>New-AzureDRAGroup -Tenant MyTenant -Properties
@{DisplayName="MyGroup";groupType="Mail-enabled
security";Mail="MyGroup@MyTenant.online.com"} -Members
"CN=MyUser,dc=MyDomain,dc=COM", "CN=b68faff8-6496-4308-a9b9-
8375e03e00f2,az=a131cea8-097d-4f9e-9816-b2d758bfa0b1", "CN=314c6f4c6a05-
41e8-a3ba-7bdbaa3e122c,az=MyTenant", "CN=8acfc08d-a1c1-4183-945e-
67f2a7737190,az=MyTenant" -DRAHostServer localhost -DRAHostPort 11192 -
DRARestServer localhost -DRARestPort 8755 -IgnoreCertificateErrors -Force
```

This example creates an Azure group named MyGroup of type Mail-enabled security. The Azure group will be created in the tenant MyTenant. This example adds Azure objects and synced objects as members to the group while creating a group.

Remove-AzureDRAGroup

Synopsis

Removes a group from Azure Active Directory.

Syntax

```
Remove-AzureDRAGroup -Tenant <String> -Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Remove-AzureDRAGroup cmdlet removes a group from Azure Active Directory. The requesting user must have the Delete Azure Group Account power.

Parameters

Attribute / Description	Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Identifier <String> The GUID of the Azure group. For example: 3FB3B182-FAA2-476A-9843-5F77B245DD03	true	named		true (ByPropertyName)	false
Tenant <String> The Tenant ID of the object in GUID or displayname format. For example: b201dhg8-087e-5n9d-9986-c4d987bfa0b1 or MyTenant	true	named		true (ByPropertyName)	false
DRAHostServer [<String>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRAHostPort [<Int32>] The port where the DRA Host Service listens for requests. This parameter is used only when the DRAHostServer parameter is also specified. If the parameter is not specified, the value defaults to 11192.	false	named	11192	true (ByPropertyName)	false

Attribute / Description	Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>DRARestServer</i> [<i><String></i>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRARestPort</i> [<i><Int32></i>] The port where the DRA REST Service listens for requests. This parameter is used only when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
<i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
<i>Force</i> [<i><SwitchParameter></i>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
<i>Timeout</i> [<i><Int32></i>] The wait time in seconds before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters>					
Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					
NOTE: For more information, type "Get-Help Remove-AzureDRAGroup -detailed". For technical information, type "Get-Help Remove-AzureDRAGroup -full".					

Example 3-15 1

```
PS C:\>Remove-AzureDRAGroup -Tenant b201dhg8-087e-5n9d-9986-c4d987bfa0b1 -Identifier 23225bb1-5ac0-4b4c-a23c-beb7fad44b65
```

This example deletes the Azure group identified by GUID 23225bb1-5ac0-4b4c-a23c-beb7fad44b65 in the tenant identified by GUID b201dhg8-087e-5n9d-9986-c4d987bfa0b1. The Identifier parameter contains the GUID of the Azure group.

Remove-AzureDRAGroupMembers

Synopsis

Removes members of an existing group managed by DRA.

Syntax

```
Remove-AzureDRAGroupMembers -Tenant <String> [-Groups <String[]>] [-Users <String[]>] [-AzureGroups <String[]>] [-AzureUsers <String[]>] -Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Remove-AzureDRAGroupMembers cmdlet removes members from an Azure group managed by DRA. The requesting user must have the Remove Object from Azure Group power. The command accepts arrays of identifiers for each of the supported object types that can be members of the group. An identifier and at least one member must be specified.

Parameters

Attribute / Description	Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Groups [<i><String[]></i>]</p> <p>An array of existing Active Directory group identifiers to remove from the Azure group. An identifier can be a distinguished name.</p>	false	named		true (ByPropertyName)	false
<p>Users [<i><String[]></i>]</p> <p>An array of existing Active Directory user identifiers to remove from the Azure group. An identifier can be a distinguished name.</p>	false	named		true (ByPropertyName)	false
<p>AzureGroups [<i><String[]></i>]</p> <p>An array of existing Azure group identifiers to remove from the Azure group.</p> <p>An identifier is a distinguished name, for example, "CN=CB58BFCE-1E49-4FA5-AF0A-E2B5068F8073,az=corp", and multiple distinguished names can be comma separated: "CN=CB58BFCE-1E49-4FA5-AF0A-E2B5068F8073,az=corp", "CN=C503F54F-6357-4831-A74A-B2EA06ED6806,az=corp"</p>	false	named		true (ByPropertyName)	false

Attribute / Description	Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>AzureUsers [<String[]>]</p> <p>An array of existing Azure user identifiers to remove from the Azure group.</p> <p>An identifier is a distinguished name, for example, "CN=7939934-425325-35353-35235B,az=corp", and multiple distinguished names can be comma separated: "CN=7939934-425325-35353-35235B,az=corp", "CN=A30226EA-6A55-43C1-B7AF-E694BDF97836,az=corp"</p>	false	named		true (ByPropertyName)	false
<p>Identifier <String></p> <p>The GUID of the Azure group.</p> <p>For example: 3FB3B182-FAA2-476A-9843-5F77B245DD03</p>	true	named		true (ByPropertyName)	false
<p>Tenant <String></p> <p>The Tenant ID of the object in GUID or displayname format. For example: b201dhg8-087e-5n9d-9986-c4d987bfa0b1 or MyTenant</p>	true	named		true (ByPropertyName)	false
<p>DRAHostServer [<String>]</p> <p>The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false

Attribute / Description	Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>DRAHostPort</i> [<i><Int32></i>] The port where the DRA Host Service listens for requests. This parameter is used only when the DRAHostServer parameter is also specified. If the parameter is not specified, the value defaults to 11192.	false	named	11192	true (ByPropertyName)	false
<i>DRARestServer</i> [<i><String></i>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRARestPort</i> [<i><Int32></i>] The port where the DRA REST Service listens for requests. This parameter is used only when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
<i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
<i>Force</i> [<i><SwitchParameter></i>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false

Attribute / Description	Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Timeout [<i><Int32></i>]	false	named	100 seconds	true (ByPropertyName)	false
<p>The wait time in seconds before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p> <p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					

NOTE: For more information, type "Get-Help Remove-AzureDRAGroupMembers -detailed". For technical information, type "Get-Help Remove-AzureDRAGroupMembers -full".

Example 3-16 1

```
PS C:\>Remove-AzureDRAGroupMembers -Tenant MyTenant -Identifier 23225bb1-5ac0-4b4c-a23c-beb7fad44b65 -Groups "CN=MyGroup,OU=Accounting,DC=MYDOMAIN,DC=corp" -Users "CN=User DN22,OU=Users,OU=ABC,OU=ABC-Parent,DC=MYDOMAIN,DC=corp" -AzureGroups "CN=7939934-425325-35353-35235B,az=MyTenant" -AzureUsers "CN=CB58BFCE-1E49-4FA5-AF0A-E2B5068F8073,az=MyTenant"
```

This example removes an Azure group, an Azure user, a group, and a user from the Azure group in the Azure Tenant. Multiples of any type could be removed by using a comma to separate the members.

Example 3-17 2

```
PS C:\>Remove-AzureDRAGroupMembers -Tenant MyTenant -Identifier 23225bb1-5ac0-4b4c-a23c-beb7fad44b65 -Groups "CN=MyGroup,OU=Accounting,DC=MYDOMAIN,DC=corp" -Users "CN=My User,OU=Users,OU=ABC,OU=ABC-Parent,DC=MYDOMAIN,DC=corp" -AzureGroups "CN=7939934-425325-35353-35235B,az=MyTenant" -AzureUsers "CN=CB58BFCE-1E49-4FA5-AF0A-E2B5068F8073,az=MyTenant", "CN=09A8BFCE-1E93-0AA5-990A-A8C0579FB128,az=MyTenant"
```


This example removes an Azure group, two Azure users, a group, and a user from an Azure group in the Azure Tenant. Multiple Azure objects of any type can be removed by using a comma to separate the members.

Set-AzureDRAGroup

Synopsis

Updates a specific group in Azure Active Directory.

Syntax

```
Set-AzureDRAGroup -Tenant <String> -Properties <Hashtable> -Identifier
<String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer
<String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Set-AzureDRAGroup cmdlet updates a group in Azure Active Directory. The requesting user must have the Modify All Azure Group Properties or a custom power with the necessary powers for the requested attributes.

Parameters

Attribute / Description	Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>Properties <Hashtable></i> A hashtable of property values. The key is the name of a defined property in the REST interface. For example: <code>-Properties @{{DisplayName="my azure1"}}</code> If the property value contains a quote it needs to be escaped with a backtick (`). For example: <code>-Properties @{{DisplayName="my `display` name"}}</code>	true	named		true (ByPropertyName)	false

Attribute / Description	Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Identifier <String></p> <p>The GUID of the Azure group.</p> <p>For example: 3FB3B182-FAA2-476A-9843-5F77B245DD03</p>	true	named		true (ByPropertyName)	false
<p>Tenant <String></p> <p>The Tenant ID of the object in GUID or displayname format. For example: b201dhg8-087e-5n9d-9986-c4d987bfa0b1 or MyTenant</p>	true	named		true (ByPropertyName)	false
<p>DRAHostServer [<String>]</p> <p>The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p>DRAHostPort [<Int32>]</p> <p>The port where the DRA Host Service listens for requests. This parameter is used only when the DRAHostServer parameter is also specified. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p>DRARestServer [<String>]</p> <p>The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p>DRARestPort [<Int32>]</p> <p>The port where the DRA REST Service listens for requests. This parameter is used only when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>IgnoreCertificateErrors</i> [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
<i>Force</i> [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
<i>Timeout</i> [<Int32>] The wait time in seconds before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					
NOTE: For more information, type "Get-Help Set-AzureDRAGroup -detailed". For technical information, type "Get-Help Set-AzureDRAGroup -full".					

Example 3-18 1

```
PS C:\>Set-AzureDRAGroup -Tenant MyTenant -Identifier 23225bb1-5ac0-4b4c-
a23c-beb7fad44b65 -Properties @{Description="Test
description";GroupOwnersAdd="CN=a89cc7f6-1e9f-41fc-9715-
f3e27fb1f4cb,az=MyTenant" }
```

This example updates the description property and the owner of the group 23225bb1-5ac0-4b4c-a23c-beb7fad44b65 in tenant b201dhg8-087e-5n9d-9986-c4d987bfa0b1.

Example 3-19 2

```
PS C:\>Set-AzureDRAGroup -Tenant MyTenant -Identifier 57333c17-6761-4cde-9e66-ad32b7a240e9 -Properties @{GroupOwnersAdd="CN=24fdbef7-717e-4449-b840-75df0a89cf2c,az=MyTenant", "CN=My User,DC=MyDomain,DC=COM "} -DRAHostServer localhost -DRAHostPort 12000 -DRARestServer localhost -DRARestPort 9000 -IgnoreCertificateErrors -Force
```

This example adds Azure objects and synced objects to the group while updating the group.

4 Azure User Commands

This section contains cmdlets you can execute for Azure user objects.

Get-AzureDRAUser

Synopsis

Gets gets a user from Azure Active Directory.

Syntax

```
Get-AzureDRAUser -Tenant <String> [-AzureUserAndFilter <Hashtable>] [-AzureUserOrFilter <Hashtable>] [-Identifier <String>] [-Attributes <String[]>] [-PowersForOperations <String[]>] [-VisiblePropertiesOnly <SwitchParameter>] [-EnforceServerLimit <SwitchParameter>] [-ObjectsPerResponse <Int32>] [-ResumeString <String>] [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Get-AzureDRAUser cmdlet gets a user from Azure Active Directory. The requesting user must have the View All Azure User Properties power or a custom power with the necessary powers for the requested attributes. You can view the default list of attributes or specify specific attributes. See the examples for information on how to view specific attributes.

Parameters

Attribute / Description	Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>AzureUserAndFilter</i> [<Hashtable>]	false	named		true (ByPropertyName)	false

The user attributes to use for searching Azure user objects. Azure users matching all of the listed attributes will be returned.

Attribute / Description	Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>AzureUserOrFilter [<i><Hashtable></i>]</p> <p>The user attributes to use for searching Azure user objects. Azure users matching any of the listed attributes will be returned.</p>	false	named		true (ByPropertyName)	false
<p>Identifier [<i><String></i>]</p> <p>The GUID or UPN of the Azure user.</p> <p>When the Identifier is a UPN, the Tenant parameter will be ignored.</p>	false	named		true (ByPropertyName)	false
<p>Tenant <i><String></i></p> <p>The Tenant ID of the object in GUID or displayname format.</p> <p>For example: b201d8g8-087e-5n9d-9986-c4d987bfa0b1 or MyTenant</p>	true	named		true (ByPropertyName)	false
<p>Attributes [<i><String[]></i>]</p> <p>An array of attributes to retrieve specific values. If this parameter is missing, a default list of attributes is returned.</p>	false	named		true (ByPropertyName)	false
<p>PowersForOperations [<i><String[]></i>]</p> <p>An array of DRA operation names for which you want the server to return read/write permission information. This parameter is typically used by a UI-based client to hide or disable elements the calling user doesn't have powers for.</p>	false	named		true (ByPropertyName)	false

Attribute / Description	Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>VisiblePropertiesOnly</i> [<SwitchParameter>] A flag to indicate whether DRA should return only properties the caller has powers to view. By default, DRA will return an error if the caller requests a property that they do not have powers to view. By specifying this flag DRA is instructed to not return an error and instead just not return a value for such attributes.	false	named		false	false
<i>EnforceServerLimit</i> [<SwitchParameter>] A switch parameter indicates that the search results should be limited by the search result limit on the DRA Server. The typical server limit is 1000 items. The default is true.	false	named		false	false
<i>ObjectsPerResponse</i> [<Nullable`1>] The number of objects to return in a response. The default is 250.	false	named		false	false
<i>ResumeString</i> [<String>] This parameter indicates the last item returned from the server when multiple responses are needed to return all the search results to the client. The value of this parameter is set using the ResumeString property from the previous set of results. The ResumeString looks like: "CN=MYUser160,CN=Users,DC=MyDomain,DC=corp"	false	named		false	false

Attribute / Description	Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>DRAHostServer</i> [<i><String></i>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRAHostPort</i> [<i><Int32></i>] The port where the DRA Host Service listens for requests. This parameter is used only when the DRAHostServer parameter is also specified. If the parameter is not specified, the value defaults to 11192.	false	named	11192	true (ByPropertyName)	false
<i>DRARestServer</i> [<i><String></i>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRARestPort</i> [<i><Int32></i>] The port where the DRA REST Service listens for requests. This parameter is used only when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
<i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false

Attribute / Description	Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?

Force [<i><SwitchParameter></i>]	false	named		false	false
---	-------	-------	--	-------	-------

Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.

Timeout [<i><Int32></i>]	false	named	100 seconds	true (ByPropertyName)	false
---	-------	-------	-------------	-----------------------	-------

The wait time in seconds before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.

<CommonParameters>

Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see [About CommonParameters \(http://go.microsoft.com/fwlink/?LinkID=113216\)](http://go.microsoft.com/fwlink/?LinkID=113216).

NOTE: For more information, type "Get-Help Get-AzureDRAUser -detailed". For technical information, type "Get-Help Get-AzureDRAUser -full".

Example 4-1 1

```
PS C:\>Get-AzureDRAUser -Tenant b201dhg8-087e-5n9d-9986-c4d987bfa0b1 -
Identifier 23225bb1-5ac0-4b4c-a23c-beb7fad44b65 -Attributes
"Name", "DisplayName", "ID", "FriendlyPath", "FriendlyParentPath", "FriendlyName"
```

This example requests the properties of the user 23225bb1-5ac0-4b4c-a23c-beb7fad44b65 in the tenant b201dhg8-087e-5n9d-9986-c4d987bfa0b1. The Attributes parameter specifies what properties to return. When the Attributes parameter is not present, a default list of properties will be returned.

Example 4-2 2

```
PS C:\>Get-AzureDRAUser -Tenant b201dhg8-087e-5n9d-9986-c4d987bfa0b1 -  
AzureUserOrFilter @{Name="PF*"} -IncludeChildContainers -  
ObjectsPerResponse 50
```

```
PS C:\>Get-AzureDRAUser -Tenant b201dhg8-087e-5n9d-9986-c4d987bfa0b1 -  
AzureUserOrFilter @{Name="PF*"} -IncludeChildContainers -  
ObjectsPerResponse 50 -ResumeString "CN=770DF55D-062B-4115-A8AF-  
A6A865A4BA00,az=b201dhg8-087e-5n9d-9986-c4d987bfa0b1"
```

In this example, DRA will search in the Tenant b201dhg8-087e-5n9d-9986-c4d987bfa0b1 for Azure users having a name attribute beginning with "PF". The server should return a maximum of 50 items in the response. If there are more objects than the number specified in `ObjectsPerResponse`, the `ResumeString` will be returned which can be used in a subsequent call to retrieve the next object set. The next line in this example shows how to use the `ResumeString` in the subsequent call.

Example 4-3 3

```
PS C:\>Get-AzureDRAUser -Tenant MyTenant -AzureUserOrFilter  
@{MultiMatch="SCH"}
```

In this example, a filtered search will be conducted using "SCH" with `Multimatch`.

New-AzureDRAUser

Synopsis

Creates a user in Azure Active Directory.

Syntax

```
New-AzureDRAUser -Tenant <String> [-Password <String>] -Properties  
<Hashtable> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-  
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors  
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]  
[<CommonParameters>]
```

Description

The `New-AzureDRAUser` cmdlet creates a user in Azure Active Directory. The requesting user must have the `Create Azure User` and `Modify All Properties` power or a custom power with the necessary powers for the requested attributes. Use the `Properties` parameter to specify the values to use when creating the Azure user.

Parameters

Attribute / Description	Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Password [<i><String></i>]</p> <p>The value of the new password that should be set on the user account. The password must meet the password policies set for the domain.</p>	false	named		true (ByPropertyName)	false
<p>Properties <i><Hashtable></i></p> <p>A hashtable of attribute values. The key is the name of a defined property in the REST interface. For example: -Properties @{Name="my azure1"; GroupType="Distribution list"; Mail=email address; MailNickname=<String>}</p> <p>Note: Values for GroupType are: Security, Distribution list, Mail-Enabled security, and Office365.</p> <p>If the property value contains a quote it needs to be escaped with a backtick (`).</p> <p>For example: -Properties @{Description="my `test` description"}</p>	true	named		true (ByPropertyName)	false
<p>Tenant <i><String></i></p> <p>The Tenant ID of the object in GUID or displayname format.</p> <p>For example: b201d8g8-087e-5n9d-9986-c4d987bfa0b1 or MyTenant</p>	true	named		true (ByPropertyName)	false
<p>DRAHostServer [<i><String></i>]</p> <p>The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false

Attribute / Description	Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>DRAHostPort</i> [<i><Int32></i>] The port where the DRA Host Service listens for requests. This parameter is used only when the DRAHostServer parameter is also specified. If the parameter is not specified, the value defaults to 11192.	false	named	11192	true (ByPropertyName)	false
<i>DRARestServer</i> [<i><String></i>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRARestPort</i> [<i><Int32></i>] The port where the DRA REST Service listens for requests. This parameter is used only when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
<i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
<i>Force</i> [<i><SwitchParameter></i>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false

Attribute / Description	Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?

Timeout [<i><Int32></i>]	false	named	100 seconds	true (ByPropertyName)	false
---	-------	-------	-------------	-----------------------	-------

The wait time in seconds before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.

<CommonParameters>

Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see [About CommonParameters \(http://go.microsoft.com/fwlink/?LinkID=113216\)](http://go.microsoft.com/fwlink/?LinkID=113216).

NOTE: For more information, type "Get-Help New-AzureDRAUser -detailed". For technical information, type "Get-Help New-AzureDRAUser -full".

Example 4-4 1

```
PS C:\>New-AzureDRAUser -Tenant MyTenant -Password "MyNewPassword" -
Properties
@{DisplayName="MyUser";UserPrincipalName="MyUser@MyTenant.online.com";Allo
wSignOn=$true;UserMustChangePassword=$true}
```

This example creates an Azure user named MyUser in Azure Active Directory using the DisplayName and UserPrincipalName properties. The Azure user will be created in the tenant MyTenant. There are two properties set on this Azure user: DisplayName and UserPrincipalName.

Example 4-5 2

```
PS C:\>New-AzureDRAUser -Tenant MyTenant -Password "MyNewPassword" -
Properties
@{DisplayName="MyUser";UserPrincipalName="MyUser@MyTenant.online.com";Allo
wSignOn=$true;UserMustChangePassword=$true;AddToGroups="CN=a89cc7f6-1e9f-
41fc-9715-f3e27fb1f4cb,az=3d562c8d-1d55-45ae-8288-7b58486bad44"} -
DRAHostServer localhost -DRAHostPort 12000 -DRARestServer localhost -
DRARestPort 9000 -IgnoreCertificateErrors -Force
```

This example creates an Azure user named MyUser in Azure Active Directory using multiple properties including adding the user to a group. The Azure user will be created in the tenant MyTenant. It specifies the server and its host and rest ports. Also it ignores certificate errors and suppresses confirmations.

Remove-AzureDRAUser

Synopsis

Removes a user in Azure Active Directory.

Syntax

```
Remove-AzureDRAUser -Tenant <String> -Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Remove-AzureDRAUser cmdlet removes a user in Azure Active Directory. The requesting user must have the Delete Azure User Account Permanently power.

Parameters

Attribute / Description	Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Identifier <String> The GUID or UPN of the Azure user. When the Identifier is a UPN, the Tenant parameter will be ignored.	true	named		true (ByPropertyName)	false
Tenant <String> The Tenant ID of the object in GUID or displayname format. For example: b201d8g8-087e-5n9d-9986-c4d987bfa0b1 or MyTenant	true	named		true (ByPropertyName)	false
DRAHostServer [<String>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false

Attribute / Description	Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRAHostPort</i> [<Int32>]</p> <p>The port where the DRA Host Service listens for requests. This parameter is used only when the DRAHostServer parameter is also specified. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<String>]</p> <p>The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARestPort</i> [<Int32>]</p> <p>The port where the DRA REST Service listens for requests. This parameter is used only when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<SwitchParameter>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<SwitchParameter>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false

Attribute / Description	Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Timeout [<i><Int32></i>]	false	named	100 seconds	true (ByPropertyName)	false
<p>The wait time in seconds before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p> <p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					

NOTE: For more information, type "Get-Help Remove-AzureDRAUser -detailed". For technical information, type "Get-Help Remove-AzureDRAUser -full".

Example 4-6 1

```
PS C:\>Remove-AzureDRAUser -Tenant b201dhg8-087e-5n9d-9986-c4d987bfa0b1 -Identifier 23225bb1-5ac0-4b4c-a23c-beb7fad44b65
```

This example deletes the Azure user identified by GUID 23225bb1-5ac0-4b4c-a23c-beb7fad44b65 in the tenant identified by GUID b201dhg8-087e-5n9d-9986-c4d987bfa0b1. The Identifier parameter contains the GUID of the Azure user.

Example 4-7 2

```
PS C:\>Remove-AzureDRAUser -Tenant MyTenant -Identifier testuser@mytenant.onmicrosoft.com
```

This example deletes the Azure user identified by UPN testuser@mytenant.onmicrosoft.com in the tenant and display name is MyTenant. The Identifier parameter contains the UPN of the Azure user. When the Identifier is a UPN, the Tenant parameter will be ignored.

Set-AzureDRAUser

Synopsis

Updates a user in Azure Active Directory.

Syntax

```
Set-AzureDRAUser -Tenant <String> -Properties <Hashtable> -Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Set-AzureDRAUser cmdlet updates a user in Azure Active Directory. The requesting user must have the Modify All Azure User Properties power or a custom power with the necessary powers for the requested attributes.

Parameters

Attribute / Description	Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>Properties <Hashtable></i> A hashtable of property values. The key is the name of a defined attribute in the REST interface. For example: <code>-Properties @{userPrincipalName="my AzureUser123@mail.com"; Name="my azure1"; city="Houston" }</code> Multiple values are specified as a comma-separated list. For example: <code>-Properties @{businessPhones="6767-788-5667", "123-4567" }</code> If the property value contains a quote it needs to be escaped with a backtick (`). For example: <code>-Properties @{Description="my `test` description" }</code>	true	named		true (ByPropertyName)	false
<i>Identifier <String></i> The GUID or UPN of the Azure user. When the Identifier is a UPN, the Tenant parameter will be ignored.	true	named		true (ByPropertyName)	false

Attribute / Description	Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>Tenant</i> <String> The Tenant ID of the object in GUID or displayname format. For example: b201d8g8-087e-5n9d-9986-c4d987bfa0b1 or MyTenant	true	named		true (ByPropertyName)	false
<i>DRAHostServer</i> [<String>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRAHostPort</i> [<Int32>] The port where the DRA Host Service listens for requests. This parameter is used only when the DRAHostServer parameter is also specified. If the parameter is not specified, the value defaults to 11192.	false	named	11192	true (ByPropertyName)	false
<i>DRARestServer</i> [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRARestPort</i> [<Int32>] The port where the DRA REST Service listens for requests. This parameter is used only when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>IgnoreCertificateErrors</i> [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
<i>Force</i> [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
<i>Timeout</i> [<Int32>] The wait time in seconds before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					
NOTE: For more information, type "Get-Help Set-AzureDRAUser -detailed". For technical information, type "Get-Help Set-AzureDRAUser -full".					

Example 4-8 1

```
PS C:\>Set-AzureDRAUser -Tenant b201dhg8-087e-5n9d-9986-c4d987bfa0b1 -
Identifier 23225bb1-5ac0-4b4c-a23c-beb7fad44b65 -Properties
@{JobTitle="Manager";city="Houston" }
```

This example updates the specified properties of the user 23225bb1-5ac0-4b4c-a23c-beb7fad44b65 in tenant b201dhg8-087e-5n9d-9986-c4d987bfa0b1. The identifier contains the GUID for the Azure user. Two properties are updated: JobTitle and city.

Example 4-9 2

```
PS C:\>Set-AzureDRAUser -Tenant b201dhg8-087e-5n9d-9986-c4d987bfa0b1 -
Identifier 23225bb1-5ac0-4b4c-a23c-beb7fad44b65 -Properties
@{AddToGroups="CN=a89cc7f6-1e9f-41fc-9715-f3e27fb1f4cb,az=b201dhg8-087e-
5n9d-9986-c4d987bfa0b1" }
```

This example updates the specified property of the user 23225bb1-5ac0-4b4c-a23c-beb7fad44b65 in the tenant b201dhg8-087e-5n9d-9986-c4d987bfa0b1. The identifier contains the GUID for the Azure user. The property AddToGroups will add the user to the specified group.

Example 4-10 3

```
PS C:\>Set-AzureDRAUser -Tenant MyTenant -Identifier 23225bb1-5ac0-4b4c-
a23c-beb7fad44b65 -Properties@{AllowSignOn=$true}
```

This command enables the user account. If the user account is to be disabled, set AllowSignOn to \$false.

Set-AzureDRAUserPassword

Synopsis

Sets the password for a user in Azure Active Directory.

Syntax

```
Set-AzureDRAUserPassword -Tenant <String> [-ForceChangePasswordNextLogin
<SwitchParameter>] [-EnforceChangePasswordPolicy <SwitchParameter>] [-
Password <String>] -Identifier <String> [-DRAHostServer <String>] [-
DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Set-AzureDRAUserPassword cmdlet sets the password for a user in Azure Active Directory. The requesting user must have the Reset Azure User Account Password power or a custom power with the necessary powers for the requested attributes.

Parameters

Attribute / Description	Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>ForceChangePasswordNextLogin</i> [<i><SwitchParameter></i>]</p> <p>Forces a user to change their password during their next log in.</p>	false	named	true	true (ByPropertyName)	false
<p><i>EnforceChangePasswordPolicy</i> [<i><SwitchParameter></i>]</p> <p>If set to true, force the user to change their password.</p>	false	named	false	true (ByPropertyName)	false
<p><i>Password</i> [<i><String></i>]</p> <p>The value of the new password that should be set on the user account. The password must meet the password policies set for the domain.</p>	false	named		true (ByPropertyName)	false
<p><i>Identifier</i> <i><String></i></p> <p>The GUID or UPN of the Azure user.</p> <p>When the Identifier is a UPN, the Tenant parameter will be ignored.</p>	true	named		true (ByPropertyName)	false
<p><i>Tenant</i> <i><String></i></p> <p>The Tenant ID of the object in GUID or displayname format.</p> <p>For example: b201d8g8-087e-5n9d-9986-c4d987bfa0b1 or MyTenant</p>	true	named		true (ByPropertyName)	false
<p><i>DRAHostServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false

Attribute / Description	Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRAHostPort</i> [<i><Int32></i>]</p> <p>The port where the DRA Host Service listens for requests. This parameter is used only when the DRAHostServer parameter is also specified. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port where the DRA REST Service listens for requests. This parameter is used only when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false

Attribute / Description	Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Timeout [<i><Int32></i>]	false	named	100 seconds	true (ByPropertyName)	false
<p>The wait time in seconds before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p> <p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					

NOTE: For more information, type "Get-Help Set-AzureDRAUserPassword -detailed". For technical information, type "Get-Help Set-AzureDRAUserPassword -full".

Example 4-11 1

```
PS C:\>Set-AzureDRAUserPassword -Tenant b201dhg8-087e-5n9d-9986-c4d987bfa0b1 -Identifier 23225bb1-5ac0-4b4c-a23c-beb7fad44b65 -Password MyNewPassword
```

This example resets the Azure user password identified by GUID 23225bb1-5ac0-4b4c-a23c-beb7fad44b65 in the tenant GUID b201dhg8-087e-5n9d-9986-c4d987bfa0b1.

Example 4-12 2

```
PS C:\>Set-AzureDRAUserPassword -Tenant b201dhg8-087e-5n9d-9986-c4d987bfa0b1 -Identifier 23225bb1-5ac0-4b4c-a23c-beb7fad44b65
```

This example sets the Azure user password identified by GUID 23225bb1-5ac0-4b4c-a23c-beb7fad44b65 in the tenant GUID b201dhg8-087e-5n9d-9986-c4d987bfa0b1. The password will be auto-generated.

5 Computer Commands

This section contains Help information for cmdlets you can execute for the Computer object type.

Add-DRAComputer

Synopsis

Adds a computer to an Active Directory domain.

Syntax

```
Add-DRAComputer -Properties <Hashtable> -Domain <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Add-DRAComputer cmdlet adds a computer to a domain managed by DRA. The requesting user must have the Create Computer power. To see the complete list of available properties, perform a Get-Member command on the object returned from any DRAComputer command.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: mydomain.corp	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRAHostServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA Host Service. The DRA REST server will send the requested operation to the DRA Host Service running on the specified computer. If this parameter is not specified, then the DRA REST Service will attempt to discover a DRA Host Service to use.</p>	false	named		true (ByPropertyName)	false
<p><i>DRAHostPort</i> [<i><Int32></i>]</p> <p>The port number of the DRA Host Service. This parameter is only used when the DRAHostServer parameter is also specified. If the DRAHostServer parameter is specified but the DRAHostPort is not, 11192 will be used as the default Host port.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARESTPort</i> [<i><Int32></i>]</p> <p>The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARESTPort is not, 8755 will be used as the default REST port.</p>	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>IgnoreCertificateErrors</i> [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
<i>Force</i> [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
<i>Timeout</i> [<Int32>] The wait time in seconds before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					
NOTE: For more information, type "Get-Help Add-DRAComputer -detailed". For technical information, type "Get-Help Add-DRAComputer -full".					

Example 5-1 1

```
PS C:\>Add-DRAComputer -Domain MyDomain.corp -Properties
@{DistinguishedName="CN=COMPUTER123,OU=Accounting,DC=MyDomain,DC=corp";Description="Computer for powershell";TrustedForDelegation=$true}
```

This example creates a computer named COMPUTER123 in Active Directory using the DRA DistinguishedName property. The computer will be created in the domain MyDomain.corp in the Accounting OU. There are two properties set on this computer: Description and TrustedForDelegation. Since the samAccountName is not specified, the value defaults to the name followed by a dollar sign.

Example 5-2 2

```
PS C:\>Add-DRAComputer -Domain MyDomain.corp -Properties
@{FriendlyParentPath="MyDomain.corp/Accounting";Name=
"COMPUTER123";Description="PS
Desc001";ManagedBy="CN=George,CN=Users,DC=MYDOMAIN,DC=corp";samAccountName
="COMP123$"}
```

This example creates the computer COMPUTER123 in Active Directory using the Name and DRA FriendlyParentPath properties. The computer will be created in the domain MyDomain.corp in the Accounting OU. There are three properties set on this computer: Description, ManagedBy and samAccountName.

Example 5-3 3

```
PS C:\>Add-DRAComputer -Domain MyDomain.corp -Properties
@{FriendlyName="MyDomain.corp/Accounting/COMPUTER123";
Description="Computer for powershell";TrustedForDelegation=$true}
```

This example creates a computer named COMPUTER123 in Active Directory using the DRA FriendlyName property. The computer will be created in the domain MyDomain.corp in the Accounting OU. There are two properties set on this computer: Description and TrustedForDelegation. The samAccountName defaults to the name followed by a dollar sign.

Get-DRAComputer

Synopsis

Gets information about an Active Directory computer account.

Syntax

```
Get-DRAComputer -Domain <String> [-Attributes <String[]>] [-
PowersForOperations <String[]>][-VisiblePropertiesOnly <SwitchParameter>]
-Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Get-DRAComputer cmdlet returns the properties of the requested computer account managed by DRA. The requesting user must have the View All Computer Properties power. You can view the default list of properties or specify specific properties. See the examples for information on how to view specific properties.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Attributes [<i><String[]></i>]</p> <p>An array of attributes to retrieve values for. If this parameter is missing, a default list of properties is returned.</p>	false	named		true (ByPropertyName)	false
<p>PowersForOperations [<i><String[]></i>]</p> <p>An array of DRA operation names for which you want the server to return read/write permission information. This parameter is typically used by a UI-based client to hide or disable elements the calling user doesn't have powers for.</p>	false	named		true (ByPropertyName)	false
<p>VisiblePropertiesOnly [<i><SwitchParameter></i>]</p> <p>A flag to indicate whether DRA should return only properties the caller has powers to view. By default, DRA will return an error if the caller requests a property that they do not have powers to view. By specifying this flag DRA is instructed to not return an error and instead just not return a value for such properties.</p>	false	named		false	false
<p>Identifier <i><String></i></p> <p>The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.</p>	true	named		true (ByPropertyName)	false
<p>Domain <i><String></i></p> <p>The domain of the object in fqdn format. For example: mydomain.corp</p>	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>DRAHostServer</i> [<String>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRAHostPort</i> [<Int32>] The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.	false	named	11192	true (ByPropertyName)	false
<i>DRARestServer</i> [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRARestPort</i> [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
<i>IgnoreCertificateErrors</i> [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
<i>Force</i> [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Timeout [<i><Int32></i>]	false	named	100 seconds	true (ByPropertyName)	false
<p>The wait time in seconds before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p> <p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					

NOTE: For more information, type "Get-Help Get-DRAComputer -detailed". For technical information, type "Get-Help Get-DRAComputer -full".

Example 5-4 1

```
PS C:\>Get-DRAComputer -Domain MyDomain.corp -Identifier "COMPUTER123"
```

This example requests the properties of the computer named COMPUTER123 in MyDomain.corp. The identifier contains the name for the computer. When the name is used, the REST endpoint will first ask the DRA Server for the distinguished name and then request the properties for that computer.

Example 5-5 2

```
PS C:\>Get-DRAComputer -Domain MyDomain.corp -Identifier "COMPUTER123" -
Attributes
"Description", "DisplayName", "AccountThatCanAddComputerToDomain", "Distingui
shedName", "FriendlyPath", "FriendlyParentPath", "FriendlyName", "IsDisabled",
"SamAccountName", "TrustedForDelegation", "ObjectCategory"
```

This example requests the properties of the computer named COMPUTER123 in MyDomain.corp. The Attributes parameter specifies what properties to return. When the Attributes parameter is not present, a default list of properties will be returned.

Example 5-6 3

```
PS C:\>Get-DRAComputer -Domain MyDomain.corp -Identifier
"CN=COMPUTER123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example requests the properties of the computer named COMPUTER123 in MyDomain.corp. The identifier contains the distinguished name for the computer.

Move-DRAComputer

Synopsis

Moves a computer from one location in Active Directory to another.

Syntax

```
Move-DRAComputer -Domain <String> -TargetContainer <String> -Identifier
<String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer
<String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Move-DRAComputer cmdlet moves the computer named in Identifier to the OU named in the TargetContainer. The requesting user must have the Move Computer to OU power on the TargetContainer. Supported formats for Identity are friendly name and distinguished name.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
TargetContainer <String> The full path to the destination container for the object you are moving, in distinguished name format. For example: - TargetContainer "OU=Accounting,DC=MyDomain,DC=corp"	true	named		true (ByPropertyName)	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Domain <String></p> <p>The domain of the object in FQDN format. For example: mydomain.corp</p>	true	named		true (ByPropertyName)	false
<p>DRAHostServer [<String>]</p> <p>The name of the computer running the DRA Host Service. The DRA REST server will send the requested operation to the DRA Host Service running on the specified computer. If this parameter is not specified, then the DRA REST Service will attempt to discover a DRA Host Service to use.</p>	false	named		true (ByPropertyName)	false
<p>DRAHostPort [<Int32>]</p> <p>The port number of the DRA Host Service. This parameter is only used when the DRAHostServer parameter is also specified. If the DRAHostServer parameter is specified but the DRAHostPort is not, 11192 will be used as the default Host port.</p>	false	named	11192	true (ByPropertyName)	false
<p>DRARestServer [<String>]</p> <p>The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.</p>	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRARESTPort</i> [<Int32>]</p> <p>The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<SwitchParameter>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<SwitchParameter>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<Int32>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	true (ByPropertyName)	false
<p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					

NOTE: For more information, type "Get-Help Move-DRAComputer -detailed". For technical information, type "Get-Help Move-DRAComputer -full".

Example 5-7 1

```
PS C:\>Move-DRAComputer -Domain MyDomain.corp -Identifier  
"CN=Charlie,OU=Accounting,DC=MyDomain,DC=corp" -TargetContainer  
"OU=NewParent,OU=AccountingHomeOffice,DC=MyDomain,DC=corp"
```

This example moves the computer named Charlie from the Accounting container to the NewParent container. The identifier contains the distinguished name for the computer.

Remove-DRAComputer

Synopsis

Removes a computer account from Active Directory.

Syntax

```
Remove-DRAComputer -Domain <String> -Identifier <String> [-DRAHostServer  
<String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort  
<Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force  
<SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Remove-DRAComputer cmdlet deletes the requested computer account. The requesting user must have one of the Delete Computer powers. If the Recycle Bin is enabled, the computer is moved to the Recycle Bin.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Domain <String> The domain of the object in FQDN format. For example: mydomain.corp	true	named		true (ByPropertyName)	false
DRAHostServer [<String>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRAHostPort [<Int32>] The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.	false	named	11192	true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARESTPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Force [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p>Timeout [<i><Int32></i>]</p> <p>The wait time in seconds before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	true (ByPropertyName)	false
<p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					

NOTE: For more information, type "Get-Help Remove-DRAComputer -detailed". For technical information, type "Get-Help Remove-DRAComputer -full".

Example 5-8 1

```
PS C:\>Remove-DRAComputer -Domain MyDomain.corp -Identifier
"CN=COMPUTER123,OU=NetIQRecycleBin,DC=MyDomain,DC=corp"
```

This example deletes the computer named COMPUTER123 from the DRA Recycle Bin, removing it permanently from Active Directory

Example 5-9 2

```
PS C:\>Remove-DRAComputer -Domain MyDomain.corp -Identifier
"CN=COMPUTER123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example deletes the computer named COMPUTER123 from MyDomain.corp. The identifier contains the distinguished name for the computer. If the Recycle Bin is enabled, the computer is moved to the Recycle Bin. Otherwise, it is removed permanently.

Reset-DRAComputer

Synopsis

Resets a computer account in Active Directory.

Syntax

```
Reset-DRAComputer -Domain <String> -Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Reset-DRAComputer cmdlet resets the requested computer account. The requesting user must have the Reset Computer Account power.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: mydomain.corp	true	named		true (ByPropertyName)	false
DRAHostServer [<String>] The name of the computer running the DRA Host Service. The DRA REST server will send the requested operation to the DRA Host Service running on the specified computer. If this parameter is not specified, then the DRA REST Service will attempt to discover a DRA Host Service to use.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRAHostPort</i> [<i><Int32></i>]</p> <p>The port number of the DRA Host Service. This parameter is only used when the DRAHostServer parameter is also specified. If the DRAHostServer parameter is specified but the DRAHostPort is not, 11192 will be used as the default Host port.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARESTPort</i> [<i><Int32></i>]</p> <p>The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>Force</i> [<i><SwitchParameter></i>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
<i>Timeout</i> [<i><Int32></i>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					
NOTE: For more information, type "Get-Help Reset-DRAComputer -detailed". For technical information, type "Get-Help Reset-DRAComputer -full".					

Example 5-10 1

```
PS C:\>Reset-DRAComputer -Domain MyDomain.corp -Identifier "CN=COMPUTER123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example resets the computer named COMPUTER123 in MyDomain.corp. The identifier contains the distinguished name for the computer.

Restore-DRAComputer

Synopsis

Restores the specified computer from the Recycle Bin.

Syntax

```
Restore-DRAComputer -Domain <String> [-DomainController <String>] [-RestoreToContainer <String>] -Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Restore-DRAComputer cmdlet will restore a previously deleted computer from the Recycle Bin to its original container or to a new specified container. Supported formats for the identifier are friendly name and distinguished name. If the full path is specified, it must point to the Recycle Bin (NetIQRecycleBin).

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>DomainController</i> [<i><String></i>] The computer name of a specific domain controller to use for the request.	false	named		true (ByPropertyName)	false
<i>RestoreToContainer</i> [<i><String></i>] The distinguished name of the container to which you want to restore the object. If this parameter is not specified, DRA will attempt to restore the object to its original container.	false	named		true (ByPropertyName)	false
<i>Identifier</i> <i><String></i> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
<i>Domain</i> <i><String></i> The domain of the object in fqdn format. For example: mydomain.corp	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>DRAHostServer</i> [<String>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRAHostPort</i> [<Int32>] The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.	false	named	11192	true (ByPropertyName)	false
<i>DRARestServer</i> [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRARestPort</i> [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
<i>IgnoreCertificateErrors</i> [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
<i>Force</i> [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Timeout [<i><Int32></i>]	false	named	100 seconds	true (ByPropertyName)	false
<p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p> <p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					

NOTE: For more information, type "Get-Help Restore-DRAComputer -detailed". For technical information, type "Get-Help Restore-DRAComputer -full".

Example 5-11 1

```
PS C:\>Restore-DRAComputer -Identifier
"CN=MyComputer8,OU=NetIQRecycleBin,DC=MyDomain,DC=corp" -
RestoreToContainer "OU=TempCon,DC=MyDomain,DC=CORP" -domain MyDomain.corp
```

This example will restore a computer named MyComputer8 from the NetIQRecycleBin in MyDomain.corp. It will be restored to the container named TempCon in MyDomain.corp.

Example 5-12 2

```
PS C:\>Restore-DRAComputer -Identifier
"CN=MyComputer8,OU=NetIQRecycleBin,DC=MyDomain,DC=corp" -Domain MyDom.corp
```

This example will restore a Computer named MyComputer8 from the NetIQRecycleBin in MyDom.corp. It will be restored to the container from which it was deleted.

Set-DRAComputer

Synopsis

Updates the properties of an existing computer account in Active Directory.

Syntax

```
Set-DRAComputer -Domain <String> -Properties <Hashtable> -Identifier  
<String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer  
<String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors  
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]  
[<CommonParameters>]
```

Description

The Set-DRAComputer cmdlet modifies the requested computer account. The requesting user must have one of the Modify Computer powers.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>Properties <Hashtable></i>	true	named		true (ByPropertyName)	false
A Hashtable of property values. The key is the name of a defined property in the REST interface. For example: <code>-Properties @{"Description="my description";Location="Houston"}</code>					
Multiple values are specified as a comma-separated list. For example: <code>-Properties @{"otherTelephones="555-1212", "123-4567"}</code>					
If the property name contains non-alphanumeric characters it needs to be quoted. For example: <code>-Properties @{"VA-DRA-VirtualAttribute"=42}</code>					
If the property value contains a quote it needs to be escaped with a backtick (`). For example: <code>-Properties @{"Description="my `test` description"}</code>					

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Identifier <String></p> <p>The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.</p>	true	named		true (ByPropertyName)	false
<p>Domain <String></p> <p>The domain of the object in fqdn format. For example: mydomain.corp</p>	true	named		true (ByPropertyName)	false
<p>DRAHostServer [<String>]</p> <p>The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p>DRAHostPort [<Int32>]</p> <p>The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p>DRARestServer [<String>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p>DRARESTPort [<Int32>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>IgnoreCertificateErrors</i> [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
<i>Force</i> [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
<i>Timeout</i> [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					
NOTE: For more information, type "Get-Help Set-DRAComputer -detailed". For technical information, type "Get-Help Set-DRAComputer -full".					

Example 5-13 1

```
PS C:\>Set-DRAComputer -Domain MyDomain.corp -Identifier
"CN=COMPUTER123,OU=Accounting,DC=MyDomain,DC=corp" -Properties
@{ManagedBy="CN=George,CN=Users,DC=MYDOMAIN,DC=corp";TrustedForDelegation=
$true;location="Houston" }
```

This example updates some properties on the computer COMPUTER123 in MyDomain.corp. The identifier contains the distinguished name for the computer. Three properties are updated: ManagedBy, Location and TrustedForDelegation. To see the complete list of available properties, perform a Get-Member command on the object returned from any DRAComputer command.

Example 5-14 2

```
PS C:\>Set-DRAComputer -Domain MyDomain.corp -Identifier "COMPUTER123" -  
Properties @{ManagedBy="CN=George,CN=Users,  
DC=MYDOMAIN,DC=corp";Description="updated  
description";TrustedForDelegation=$true;location="Houston"}
```

This example updates some properties on the computer COMPUTER123 in MyDomain.corp. The Identifier specifies the name of the computer. When the identifier format is the name, the REST endpoint will contact the DRA Server to resolve the name to the full distinguished name.

6 Configuration Commands

This section contains cmdlets you can execute for servers.

Get-DRAServerInfo

Synopsis

Gets the list of domains managed by the specified DRA Server.

Syntax

```
Get-DRAServerInfo [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [  
<CommonParameters>]
```

Description

The Get-DRAServerInfo cmdlet retrieves the list of domains managed by DRA on the server specified by the DRAHostServer parameter. The request returns information about the PowerShell client as well as an array of objects describing the managed domains. To see the list of properties returned in the Domains array, perform a Get-Member command on any of the objects in the array.

For example: PS C:\>\$myobj = Get-DRAServerInfo

```
Get-Member -inputObject $myobj.Domains[0] -MemberType "property"
```

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>DRAHostServer</i> [<String>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRAHostPort</i> [<i><Int32></i>]</p> <p>The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<i><Int32></i>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters>					
Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					
NOTE: For more information, type "Get-Help Get-DRAServerInfo -detailed". For technical information, type "Get-Help Get-DRAServerInfo -full".					

Example 6-1 1

```
PS C:\>Get-DRAServerInfo -DRAHostServer "DRASVR10"
```

This example gets information about the server DRASVR10. The response will include information about this PowerShell client, such as whether the client user is a DRA Administrator. If the DRAHostServer parameter is not specified, the command will retrieve information about the local computer.

Get-DRAServersForDomain

Synopsis

Gets the list of DRA Servers for the specified domain.

Syntax

```
Get-DRAServersForDomain -Domain <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Get-DRAServersForDomain cmdlet retrieves the list of servers registered with DRA for managing the domain specified in the Domain parameter. The request returns an array of objects. To see the list of properties returned, perform a Get-Member command on any of the objects in the returned Items array. For example: PS C:\>Get-DRAServersForDomain -Domain MyDomain.corp Get-Member -inputObject \$myobj.Items[0] -MemberType "property".

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Domain <String></p> <p>The domain of the object in fqdn format. For example: mydomain.corp</p>	true	named		true (ByPropertyName)	false
<p>DRAHostServer [<String>]</p> <p>The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p>DRAHostPort [<Int32>]</p> <p>The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p>DRARestServer [<String>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p>DRARESTPort [<Int32>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p>IgnoreCertificateErrors [<SwitchParameter>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>Force</i> [<i><SwitchParameter></i>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
<i>Timeout</i> [<i><Int32></i>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					
NOTE: For more information, type "Get-Help Get-DRAServersForDomain -detailed". For technical information, type "Get-Help Get-DRAServersForDomain -full".					

Example 6-2 1

```
PS C:\>Get-DRAServersForDomain -Domain MyDomain.corp
```

This example gets the list of DRA Servers that manage the domain MyDomain.corp.

7 Contacts

This section contains cmdlets you can execute for the Contact object type.

Add-DRAContact

Synopsis

Adds a contact object to an Active Directory domain.

Syntax

```
Add-DRAContact -Properties <Hashtable> -Domain <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Add-DRAContact cmdlet adds a contact object to a domain managed by DRA. The requesting user must have the Create Contact power. To see the complete list of available properties, perform a Get-Member command on the object returned from any DRAContact command.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Properties <Hashtable></p> <p>A Hashtable of property values. The key is the name of a defined property in the REST interface. For example: <code>-Properties @{Description="my description";Location="Houston"}</code></p> <p>Multiple values are specified as a comma-separated list.</p> <p>For example: <code>-Properties @{otherTelephones="555-1212", "123-4567"}</code></p> <p>If the property name contains non-alphanumeric characters it needs to be quoted.</p> <p>For example: <code>-Properties @{ "VA-DRA-VirtualAttribute"=42}</code></p> <p>If the property value contains a quote it needs to be escaped with a backtick (`).</p> <p>For example: <code>-Properties @{Description="my `test` description"}</code></p>	true	named		true (ByPropertyName)	false
<p>Domain <String></p> <p>The domain of the object in fqdn format. For example: <code>mydomain.corp</code></p>	true	named		true (ByPropertyName)	false
<p>DRAHostServer [<String>]</p> <p>The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRAHostPort</i> [<i><Int32></i>]</p> <p>The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters>					
Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					
NOTE: For more information, type "Get-Help Add-DRAContact -detailed". For technical information, type "Get-Help Add-DRAContact -full".					

Example 7-1 1

```
PS C:\>Add-DRAContact -Domain MyDomain.corp -Properties
@{FriendlyName="MyDomain.corp/Accounting/Contact123"; Description="Contact
for powershell";EmployeeId="xx123" }
```

This example creates a contact named Contact123 in Active Directory using the DRA FriendlyName property. The contact will be created in the domain MyDomain.corp in the Accounting OU. There are two properties set on this contact: Description and EmployeeId.

Example 7-2 2

```
PS C:\>Add-DRAContact -Domain MyDomain.corp -Properties
@{DistinguishedName="CN=Contact123,OU=Accounting,
DC=MyDomain,DC=corp";Description="Contact for
powershell";EmployeeId="xx123" }
```

This example creates a contact named Contact123 in Active Directory using the DRA DistinguishedName property. The contact will be created in the domain MyDomain.corp in the Accounting OU. There are two properties set on this contact: Description and EmployeeId.

Example 7-3 3

```
PS C:\>Add-DRAContact -Domain MyDomain.corp -Properties
@{FriendlyParentPath="MyDomain.corp/
Accounting";Name="Contact123";Description="PS Desc
001";EmployeeId="ZZZ123";samAccountName="AltSameName123" }
```

This example creates the contact Contact123 in Active Directory using the Name and DRA FriendlyParentPath properties. The contact will be created in the domain MyDomain.corp in the Accounting OU. There are three properties set on this contact: Description, EmployeeId, and samAccountName.

Copy-DRAContact

Synopsis

Copies an existing contact to a new contact.

Syntax

```
Copy-DRAContact -Domain <String> -Properties <Hashtable> -Identifier  
<String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer  
<String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors  
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]  
[<CommonParameters>]
```

Description

The Copy-DRAContact cmdlet copies an existing contact properties to a new contact.

The values provided in the -Properties parameter will overwrite the values provided by the existing contact. You must supply properties to give the new contact a name. See the Add-DRAContact for examples of how to define the new contact. The response contains the string generated by the server.

.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Properties <Hashtable></p> <p>A Hashtable of property values. The key is the name of a defined property in the REST interface. For example: <code>-Properties @{Description="my description";Location="Houston"}</code></p> <p>Multiple values are specified as a comma-separated list.</p> <p>For example: <code>-Properties @{otherTelephones="555-1212", "123-4567"}</code></p> <p>If the property name contains non-alphanumeric characters it needs to be quoted.</p> <p>For example: <code>-Properties @{"VA-DRA-VirtualAttribute"=42}</code></p> <p>If the property value contains a quote it needs to be escaped with a backtick (`).</p> <p>For example: <code>-Properties @{Description="my `test` description"}</code></p>	true	named		true (ByPropertyName)	false
<p>Identifier <String></p> <p>The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.</p>	true	named		true (ByPropertyName)	false
<p>Domain <String></p> <p>The domain of the object in fqdn format. For example: <code>mydomain.corp</code></p>	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRAHostServer</i> [<String>]</p> <p>The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRAHostPort</i> [<Int32>]</p> <p>The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<String>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARESTPort</i> [<Int32>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<SwitchParameter>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<SwitchParameter>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Timeout [<i><Int32></i>]	false	named	100 seconds	true (ByPropertyName)	false
<p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p> <p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					

NOTE: For more information, type "Get-Help Copy-DRAContact -detailed". For technical information, type "Get-Help Copy-DRAContact -full".

Example 7-4 1

```
PS C:\>Copy-DRAContact -Identifier
"CN=Contactsorce,OU=Accounting,DC=MyDomain,DC=corp" -Properties
@{distinguishedName="CN=CONTACT123,OU=Tax,DC=MyDomain,DC=corp"} -domain
MyDomain.corp
```

This example will copy the contact named Contactsorce from the Accounting OU in MyDomain.corp to a new contact named CONTACT123 in the Tax OU in MyDomain.corp. The properties of CONTACT123 will be the same as the properties of Contactsorce.

Example 7-5 2

```
PS C:\>Copy-DRAContact -Identifier
"CN=Contactsorce,OU=Accounting,DC=MyDomain,DC=corp" -Properties
{distinguishedName="CN=CONTACT123,OU=Tax,DC=MyDomain,DC=corp";Description=
"Tax group member"} -domain MyDomain.corp
```

This example will copy the contact named Contactsorce from the Accounting OU in MyDomain.corp to a new contact named CONTACT123 in the Tax OU in MyDomain.corp. The Description property for CONTACT123 will be set to 'Tax group member'.

Disable-DRAContactEmail

Synopsis

Disables email for the contact account specified by the Identifier parameter.

Syntax

```
Disable-DRAContactEmail -Domain <String> -Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Disable-DRAContactEmail cmdlet disables email on the account specified by the Identifier parameter. The requesting user must have the Delete Email for Contact power.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: mydomain.corp	true	named		true (ByPropertyName)	false
DRAHostServer [<String>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRAHostPort</i> [<i><Int32></i>]</p> <p>The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<i><Int32></i>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters>					
Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					
NOTE: For more information, type "Get-Help Disable-DRAContactEmail -detailed". For technical information, type "Get-Help Disable-DRAContactEmail -full".					

Example 7-6 1

```
PS C:\>Disable-DRAContactEmail -Domain MyDomain.corp -Identifier
"CN=Ct123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example disables email for the contact named Ct123 in MyDomain.corp. The identifier contains the distinguished name for the account.

Enable-DRAContactEmail

Synopsis

Enables email for the contact account specified by the Identifier parameter.

Syntax

```
Enable-DRAContactEmail -Domain <String> -ExchangeDN <String> -EmailAddress
<String> -Identifier <String> [-DRAHostServer <String>] [-DRAHostPort
<Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter> [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Enable-DRAContactEmail cmdlet enables email for the specified contact account. The requesting user must have the Enable Email for Contact power.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>ExchangeDN</i> <String></p> <p>A Full path to the Exchange service. Use the <code>Get-DRAExchangeServers</code> command to obtain the list of Exchange servers managed through DRA.</p>	true	named		false	false
<p><i>EmailAddress</i><String></p> <p>The full email address for the account. For example: <code>MyUserName@mydomain.com</code>.</p>	true	named		false	false
<p><i>Identifier</i> <String></p> <p>The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.</p>	true	named		true (ByPropertyName)	false
<p><i>Domain</i> <String></p> <p>The domain of the object in fqdn format. For example: <code>mydomain.corp</code></p>	true	named		true (ByPropertyName)	false
<p><i>DRAHostServer</i> [<String>]</p> <p>The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRAHostPort</i> [<Int32>]</p> <p>The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRARestServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARESTPort</i> [<i><Int32></i>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<i><Int32></i>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters>					
Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					
NOTE: For more information, type "Get-Help Enable-DRAContactEmail -detailed". For technical information, type "Get-Help Enable-DRAContactEmail -full".					

Example 7-7 1

```
PS C:\>Enable-DRAContactEmail -Domain MyDomain.corp -Identifier
"CN=Ct123,OU=Accounting,DC=MyDomain,DC=corp" -ExchangeDN "/o=First/
ou=Exchange Administrative Contact (FYDIBOHF23SPDLT)/CN=Recipients/
CN=Ct123" -EmailAddress "Ct123@MyDomain.corp"
```

This example enables email for the user named Ct123 in MyDomain.corp. The identifier contains the distinguished name for the contact.

Get-DRAContact

Synopsis

Gets information about an Active Directory contact account.

Syntax

```
Get-DRAContact -Domain <String> [-Attributes <String[]>] [-
PowersForOperations <String[]>] [-VisiblePropertiesOnly <SwitchParameter>]
-Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Get-DRAContact cmdlet returns the properties of the requested contact account managed by DRA. The requesting user must have the View All Contact Properties power. You can view the default list of properties or specify specific properties. See the examples for information on how to view specific properties.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Attributes [<i><String[]></i>]</p> <p>An array of attributes to retrieve values for. If this parameter is missing, a default list of properties is returned.</p>	false	named		true (ByPropertyName)	false
<p>PowersForOperations [<i><String[]></i>]</p> <p>An array of DRA operation names for which you want the server to return read/write permission information. This parameter is typically used by a UI-based client to hide or disable elements the calling user doesn't have powers for.</p>	false	named		true (ByPropertyName)	false
<p>VisiblePropertiesOnly [<i><SwitchParameter></i>]</p> <p>A flag to indicate whether DRA should return only properties the caller has powers to view. By default, DRA will return an error if the caller requests a property that they do not have powers to view. By specifying this flag DRA is instructed to not return an error and instead just not return a value for such properties.</p>	false	named		false	false
<p>Identifier <i><String></i></p> <p>The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.</p>	true	named		true (ByPropertyName)	false
<p>Domain <i><String></i></p> <p>The domain of the object in fqdn format. For example: mydomain.corp</p>	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRAHostServer</i> [<String>]</p> <p>The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRAHostPort</i> [<Int32>]</p> <p>The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<String>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARestPort</i> [<Int32>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<SwitchParameter>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<SwitchParameter>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Timeout [<i><Int32></i>]	false	named	100 seconds	true (ByPropertyName)	false
<p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p> <p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					

NOTE: For more information, type "Get-Help Get-DRAContact -detailed". For technical information, type "Get-Help Get-DRAContact -full".

Example 7-8 1

```
PS C:\>Get-DRAContact -Domain MyDomain.corp -Identifier "Contact123" -
Attributes
"Description", "DisplayName", "EmployeeId", "DistinguishedName", "FriendlyPath
", "FriendlyParentPath", "FriendlyName", "IsDisabled", "ObjectCategory"
```

This example requests the properties of the contact named Contact123 in MyDomain.corp. The Attributes parameter specifies what properties to return. When the Attributes parameter is not present, a default list of properties will be returned.

Example 7-9 2

```
PS C:\>Get-DRAContact -Domain MyDomain.corp -Identifier "Contact123"
```

This example requests the properties of the contact named Contact123 in MyDomain.corp. The identifier contains the name for the contact. When the name is used, the REST endpoint will first ask the DRA Server for the distinguished name and then request the properties for that contact.

Example 7-10 3

```
PS C:\>Get-DRAContact -Domain MyDomain.corp -Identifier
"CN=Contact123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example requests the properties of the contact named Contact123 in MyDomain.corp. The identifier contains the distinguished name for the contact.

Remove-DRAContact

Synopsis

Removes a contact account from Active Directory.

Syntax

```
Remove-DRAContact -Domain <String> -Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Remove-DRAContact cmdlet deletes the requested contact account. The requesting user must have one of the Delete Contact powers. If the Recycle Bin is enabled, the contact is moved to the Recycle Bin.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>Identifier</i> <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
<i>Domain</i> <String> The domain of the object in fqdn format. For example: mydomain.corp	true	named		true (ByPropertyName)	false
<i>DRAHostServer</i> [<String>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRAHostPort</i> [<i><Int32></i>]</p> <p>The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARESTPort</i> [<i><Int32></i>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<i><Int32></i>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters>					
Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					
NOTE: For more information, type "Get-Help Remove-DRAContact -detailed". For technical information, type "Get-Help Remove-DRAContact -full".					

Example 7-11 1

```
PS C:\>Remove-DRAContact -Domain MyDomain.corp -Identifier
"CN=Contact123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example deletes the contact named Contact123 from MyDomain.corp. The identifier contains the distinguished name for the contact. If the Recycle Bin is enabled, the contact is moved to the Recycle Bin. Otherwise, it is removed permanently.

Example 7-12 2

```
PS C:\>Remove-DRAContact -Domain MyDomain.corp -Identifier
"CN=Contact123,OU=NetIQRecycleBin,DC=MyDomain,DC=corp"
```

This example deletes the contact named Contact123 from the DRA Recycle Bin, removing it permanently from Active Directory.

Restore-DRAContact

Synopsis

Restores the specified contact from the Recycle Bin.

Syntax

```
Restore-DRAContact -Domain <String> [-DomainController <String>] [-
RestoreToContainer <String>] -Identifier <String> [-DRAHostServer
<String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-
DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>]
[-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Restore-DRAContact cmdlet will restore a previously deleted contact from the Recycle Bin to its original container or to a new specified container. Supported formats for the identifier are friendly name and distinguished name. If the full path is specified, it must point to the Recycle Bin (NetIQRecycleBin).

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>DomainController</i> [<i><String></i>] The computer name of a specific domain controller to use for the request.	false	named		true (ByPropertyName)	false
<i>RestoreToContainer</i> [<i><String></i>] The distinguished name of the container to which you want to restore the object. If this parameter is not specified, DRA will attempt to restore the object to its original container.	false	named		true (ByPropertyName)	false
<i>Identifier</i> <i><String></i> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
<i>Domain</i> <i><String></i> The domain of the object in fqdn format. For example: mydomain.corp	true	named		true (ByPropertyName)	false
<i>DRAHostServer</i> [<i><String></i>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRAHostPort</i> [<i><Int32></i>]</p> <p>The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<i><Int32></i>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters>					
Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					
NOTE: For more information, type "Get-Help Set-Restore-DRAContact -detailed". For technical information, type "Get-Help Set-Restore-DRAContact -full".					

Example 7-13 1

```
PS C:\>Restore-DRAContact -Identifier
"CN=MyContact8,OU=NetIQRecycleBin,DC=MyDomain,DC=corp" -Domain MyDom.corp
```

This example will restore a Contact named MyContact8 from the NetIQRecycleBin in MyDom.corp. It will be restored to the container from which it was deleted.

Example 7-14 2

```
PS C:\>Restore-DRAContact -Identifier
"CN=MyContact8,OU=NetIQRecycleBin,DC=MyDomain,DC=corp" -RestoreToContainer
"OU=TempCon,DC=MyDomain,DC=CORP" -domain MyDomain.corp
```

This example will restore a contact named MyContact8 from the NetIQRecycleBin in MyDomain.corp. It will be restored to the container named TempCon in MyDomain.corp

Set-DRAContact

Synopsis

Updates the properties of an existing contact account in Active Directory.

Syntax

```
Set-DRAContact -Domain <String> -Properties <Hashtable> -Identifier
<String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer
<String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Set-DRAContact cmdlet modifies the requested contact account. The requesting user must have one of the Modify Contact powers.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Properties <Hashtable> A Hashtable of property values. The key is the name of a defined property in the REST interface. For example: <code>-Properties @{Description="my description";Location="Houston" }</code> Multiple values are specified as a comma-separated list. For example: <code>-Properties @{otherTelephones="555-1212", "123-4567" }</code> If the property name contains non-alphanumeric characters it needs to be quoted. For example: <code>-Properties @{ "VA-DRA-VirtualAttribute"=42 }</code> If the property value contains a quote it needs to be escaped with a backtick (`). For example: <code>-Properties @{Description="my `test` description" }</code>	true	named		true (ByPropertyName)	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Domain <String> The domain of the object in fqdn format. For example: mydomain.corp	true	named		true (ByPropertyName)	false
DRAHostServer [<String>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRAHostPort [<Int32>] The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.	false	named	11192	true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARESTPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>Force</i> [<i><SwitchParameter></i>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
<i>Timeout</i> [<i><Int32></i>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					
NOTE: For more information, type "Get-Help Set-DRAContact -detailed". For technical information, type "Get-Help Set-DRAContact -full".					

Example 7-15 1

```
PS C:\>Set-DRAContact -Domain MyDomain.corp -Identifier "Contact123" -
Properties @{Manager="CN=George,CN=Users,
DC=MYDOMAIN,DC=corp";Description="updated
description";EmployeeId="EMP123";City="Houston" }
```

This example updates some of the properties for the contact Contact123 in MyDomain.corp. The Identifier specifies the name of the contact. When the identifier format is the name, the REST endpoint will contact the DRA Server to resolve the name to the full distinguished name before sending the update request.

Example 7-16 2

```
PS C:\>Set-DRAContact -Domain MyDomain.corp -Identifier  
"CN=Contact123,OU=Accounting,DC=MyDomain,DC=corp" -Properties  
{City="Houston";EmployeeId="EMP123" }
```

This example updates some of properties for the contact contact123 in MyDomain.corp. The identifier contains the distinguished name for the contact. Three properties are updated: City, Location, and EmployeeId. To see the complete list of available properties, perform a Get-Member command on the object returned from any DRAContact command.

8

Container Commands

This section contains cmdlets you can execute for the Container and Builtin Container object type.

Get-DRABuiltinContainer

Synopsis

Gets information about an Active Directory Builtin Container.

Syntax

```
Get-DRABuiltinContainer -Domain <String> [-Attributes <String[]>] [-PowersForOperations <String[]>] [-VisiblePropertiesOnly <SwitchParameter>] [-Identifier <String>] [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Get-DRABuiltinContainer cmdlet returns the properties of the requested builtin container managed by DRA. The requesting user must have the View All OU Properties power. You can view the default list of properties or specify specific properties. See the examples for information on how to view specific properties.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Attributes [<i><String[]></i>] An array of attributes to retrieve values for. If this parameter is missing, a default list of properties is returned.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>PowersForOperations</i> [<String[]>] An array of DRA operation names for which you want the server to return read/write permission information. This parameter is typically used by a UI-based client to hide or disable elements the calling user doesn't have powers for.	false	named		true (ByPropertyName)	false
<i>VisiblePropertiesOnly</i> [<SwitchParameter>] A flag to indicate whether DRA should return only properties the caller has powers to view. By default, DRA will return an error if the caller requests a property that they do not have powers to view. By specifying this flag DRA is instructed to not return an error and instead just not return a value for such properties.	false	named		false	false
<i>Identifier</i> <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
<i>Domain</i> <String> The domain of the object in fqdn format. For example: mydomain.corp	true	named		true (ByPropertyName)	false
<i>DRAHostServer</i> [<String>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRAHostPort</i> [<i><Int32></i>]</p> <p>The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<i><Int32></i>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters>					
Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					
NOTE: For more information, type "Get-Help Get-DRABuiltinContainer -detailed". For technical information, type "Get-Help Get-DRABuiltinContainer -full".					

Example 8-1 1

```
PS C:\>Get-DRABuiltinContainer -Domain MyDomain.corp -Identifier "Builtin"
```

This example requests the properties of the builtin container in MyDomain.corp. The identifier contains the name for the container. When the name is used, the REST endpoint will first query the DRA Server for the distinguished name and then request the properties for that container.

Example 8-2 2

```
PS C:\>Get-DRABuiltinContainer -Domain MyDomain.corp -Identifier "CN=Builtin,DC=MyDomain,DC=corp"
```

This example requests the properties of the builtin container in MyDomain.corp. The identifier contains the distinguished name for the builtin container.

Example 8-3 3

```
PS C:\>Get-DRABuiltinContainer -Domain MyDomain.corp -Identifier "Builtin"
-Attributes "Description","DisplayName",
"DistinguishedName","FriendlyPath","FriendlyParentPath","FriendlyName","ObjectCategory"
```

This example requests the properties of the builtin container in MyDomain.corp. The Attributes parameter specifies what properties to return. When the Attributes parameter is not present, a default list of properties will be returned.

Get-DRAContainer

Synopsis

Gets information about an Active Directory Container.

Syntax

```
Get-DRAContainer -Domain <String> [-Attributes <String[]>] [-PowersForOperations <String[]>] [-VisiblePropertiesOnly <SwitchParameter>] [-Identifier <String>] [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [  
<CommonParameters>]
```

Description

The Get-DRAContainer cmdlet returns the properties of the requested container managed by DRA. The requesting user must have the View All OU Properties power. You can view the default list of properties or specify specific properties. See the examples for information on how to view specific properties.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>Attributes</i> [<String[]>] An array of attributes to retrieve values for. If this parameter is missing, a default list of properties is returned.	false	named		true (ByPropertyName)	false
<i>PowersForOperations</i> [<String[]>] An array of DRA operation names for which you want the server to return read/write permission information. This parameter is typically used by a UI-based client to hide or disable elements the calling user doesn't have powers for.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>VisiblePropertiesOnly</i> [<SwitchParameter>] A flag to indicate whether DRA should return only properties the caller has powers to view. By default, DRA will return an error if the caller requests a property that they do not have powers to view. By specifying this flag, DRA is instructed to not return an error and instead just not return a value for such properties.	false	named		false	false
<i>Identifier</i> <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
<i>Domain</i> <String> The domain of the object in fqdn format. For example: mydomain.corp	true	named		true (ByPropertyName)	false
<i>DRAHostServer</i> [<String>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRAHostPort</i> [<Int32>] The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.	false	named	11192	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRARestServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<i><Int32></i>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters>					
Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					
NOTE: For more information, type "Get-Help Get-DRAContainer -detailed". For technical information, type "Get-Help Get-DRAContainer -full".					

Example 8-4 1

```
PS C:\>Get-DRAContainer -Domain MyDomain.corp -Identifier "CN=Users,DC=MyDomain,DC=corp"
```

This example requests the properties of the Users container in MyDomain.corp. The identifier contains the distinguished name for the Container.

Example 8-5 2

```
PS C:\>Get-DRAContainer -Domain MyDomain.corp -Identifier "Users"
```

This example requests the properties of the Users container in MyDomain.corp. The identifier contains the name for the container. When the name is used, the REST endpoint will first query the DRA Server for the distinguished name and then request the properties for that container.

Example 8-6 3

```
PS C:\>Get-DRAContainer -Domain MyDomain.corp -Identifier "Users" -Attributes "Description", "DisplayName", "DistinguishedName", "FriendlyPath", "FriendlyParentPath", "FriendlyName", "ObjectCategory"
```

This example requests the properties of the Users container in MyDomain.corp. The Attributes parameter specifies what properties to return. When the Attributes parameter is not present, a default list of properties will be returned.

Set-DRABuiltinContainer

Synopsis

Updates the properties of an existing Builtin Container in Active Directory.

Syntax

```
Set-DRABuiltinContainer -Domain <String> -Properties <Hashtable> -  
Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-  
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors  
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]  
[<CommonParameters>]
```

Description

The Set-DRABuiltinContainer cmdlet modifies the requested builtin container. The requesting user must have the Modify All OU Properties power.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Properties <Hashtable></p> <p>A Hashtable of property values. The key is the name of a defined property in the REST interface. For example: <code>-Properties @{Description="my description";Location="Houston"}</code></p> <p>Multiple values are specified as a comma-separated list.</p> <p>For example: <code>-Properties @{otherTelephones="555-1212","123-4567"}</code></p> <p>If the property name contains non-alphanumeric characters it needs to be quoted.</p> <p>For example: <code>-Properties @{"VA-DRA-VirtualAttribute"=42}</code></p> <p>If the property value contains a quote it needs to be escaped with a backtick (`).</p> <p>For example: <code>-Properties @{Description="my `test` description"}</code></p>	true	named		true (ByPropertyName)	false
<p>Identifier <String></p> <p>The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.</p>	true	named		true (ByPropertyName)	false
<p>Domain <String></p> <p>The domain of the object in fqdn format. For example: <code>mydomain.corp</code></p>	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRAHostServer</i> [<String>]</p> <p>The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRAHostPort</i> [<Int32>]</p> <p>The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<String>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARESTPort</i> [<Int32>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<SwitchParameter>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<SwitchParameter>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Timeout [<i><Int32></i>]	false	named	100 seconds	true (ByPropertyName)	false
<p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p> <p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					

NOTE: For more information, type "Get-Help Set-DRABuiltinContainer -detailed". For technical information, type "Get-Help Set-DRABuiltinContainer -full".

Example 8-7 1

```
PS C:\>Set-DRABuiltinContainer -Domain MyDomain.corp -Identifier
"CN=Builtin,DC=MyDomain,DC=corp" -Properties @{Description="Builtin system
container for MyDomain.corp"}
```

This example updates the description of the Builtin container in MyDomain.corp. The identifier contains the distinguished name for the container. To see the complete list of available properties, perform a Get-Member command on the object returned from the Get-DRABuiltinContainer command.

Set-DRAContainer

Synopsis

Updates the properties of an existing Container in Active Directory.

Syntax

```
Set-DRAContainer -Domain <String> -Properties <Hashtable> -Identifier
<String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer
<String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Set-DRAContainer cmdlet modifies the requested Container. The requesting user must have the Modify All OU Properties power.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Properties <Hashtable> A Hashtable of property values. The key is the name of a defined property in the REST interface. For example: <code>-Properties @{Description="my description";Location="Houston" }</code> Multiple values are specified as a comma-separated list. For example: <code>-Properties @{otherTelephones="555-1212", "123-4567" }</code> If the property name contains non-alphanumeric characters it needs to be quoted. For example: <code>-Properties @{ "VA-DRA-VirtualAttribute"=42 }</code> If the property value contains a quote it needs to be escaped with a backtick (`). For example: <code>-Properties @{Description="my `test` description" }</code>	true	named		true (ByPropertyName)	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Domain <String> The domain of the object in fqdn format. For example: mydomain.corp	true	named		true (ByPropertyName)	false
DRAHostServer [<String>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRAHostPort [<Int32>] The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.	false	named	11192	true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARESTPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Force [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p>Timeout [<i><Int32></i>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	true (ByPropertyName)	false
<p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					

NOTE: For more information, type "Get-Help Set-DRAContainer -detailed". For technical information, type "Get-Help Set-DRAContainer -full".

Example 8-8 1

```
PS C:\>Set-DRAContainer -Domain MyDomain.corp -Identifier
"CN=Users,DC=MyDomain,DC=corp" -Properties @{Description="User accounts
for MyDomain.corp" }
```

This example updates the description of the Users container in MyDomain.corp. The identifier contains the distinguished name for the container. To see the complete list of available properties, perform a Get-Member command on the object returned from the Get-DRAContainer command.

9 Delegation Commands

This section contains cmdlets you can execute for delegation.

Add-DRAAssignments

Synopsis

Adds delegation assignments to Assistant Administrators.

Syntax

```
Add-DRAAssignments -Identifier <String> [-Groups <String[]>] [-Users <String[]>] [-AssistantAdminGroups <String[]>] [-Roles <String[]>] [-Powers <String[]>] [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Add-DRAAssignments cmdlet assigns ActiveViews with associated roles and powers to delegated users, groups, and Assistant Admin groups.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Identifier <String> An existing ActiveView scope specified by name.	true	named		true (ByPropertyName)	false
Groups [<String[]>] An array of existing Active Directory groups to assign specified by distinguished name.	false	named		true (ByPropertyName)	false
Users [<String[]>] An array of existing Active Directory users to assign specified by distinguished name.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>AssistantAdminGroups</i> [<String[]>] An array of existing Assistant Admin groups to assign specified by name.	false	named		true (ByPropertyName)	false
<i>Roles</i> [<String[]>] An array of existing roles to delegate specified by name.	false	named		true (ByPropertyName)	false
<i>Powers</i> [<String[]>] An array of existing powers to delegate specified by name.	false	named		true (ByPropertyName)	false
<i>DRAHostServer</i> [<String>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRAHostPort</i> [<Int32>] The port number of the DRA Host Service. This parameter is only used when the DRAHostServer parameter is also specified. If the parameter is not specified, the value defaults to 11192.	false	named	11192	true (ByPropertyName)	false
<i>DRARestServer</i> [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRARestPort</i> [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>IgnoreCertificateErrors</i> [<SwitchParameter>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<SwitchParameter>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<Int32>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	true (ByPropertyName)	false
<p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					
<p>NOTE: For more information, type "Get-Help Add-DRAAssignments -detailed". For technical information, type "Get-Help Add-DRAAssignments -full".</p>					

Example 9-1 1

```
PS C:\>Add-DRAAssignments -Identifier AV1 -Groups
"CN=MyGroup,OU=Accounting,DC=MYDOMAIN,DC=corp" -Users
"CN=MyUser,OU=Users,OU=ABC,OU=ABC-Parent,DC=MYDOMAIN,DC=corp" -Powers "Add
User to Group","Modify all Azure Group properties"
```

This example adds MyGroup and MyUser to the "AV1" ActiveView with the "Add User to Group" and "Modify all Azure Group Properties" powers.

Get-DRAAssignments

Synopsis

Get Security Assignments for an object (User or Group).

Syntax

```
Get-DRAAssignments -Domain <String> [-Attributes <String[]>] [-PowersForOperations <String[]>] [-VisiblePropertiesOnly <SwitchParameter>] [-Identifier <String>] [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Get-DRAAssignments cmdlet gets security assignments like Roles and Powers.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>Attributes</i> [<String[]>] An array of attributes to retrieve values for. If this parameter is missing, a default list of properties is returned.	false	named		true (ByPropertyName)	false
<i>PowersForOperations</i> [<String[]>] An array of DRA operation names for which you want the server to return read/write permission information. This parameter is typically used by a UI-based client to hide or disable elements the calling user doesn't have powers for.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>VisiblePropertiesOnly</i> [<SwitchParameter>] A flag to indicate whether DRA should return only properties the caller has powers to view. By default, DRA will return an error if the caller requests a property that they do not have powers to view. By specifying this flag DRA is instructed to not return an error and instead just not return a value for such properties.	false	named		false	false
<i>Identifier</i> <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
<i>Domain</i> <String> The domain of the object in fqdn format. For example: mydomain.corp	true	named		true (ByPropertyName)	false
<i>DRAHostServer</i> [<String>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRAHostPort</i> [<Int32>] The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.	false	named	11192	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRARestServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<i><Int32></i>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters>					
Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					
NOTE: For more information, type "Get-Help Get-DRAAssignments -detailed". For technical information, type "Get-Help Get-DRAAssignments -full".					

Example 9-2 1

```
PS C:\>Get-DRAAssignments -Domain MyDomain.corp -Identifier
"CN=Charlie,OU=Accounting,DC=MyDomain,DC=corp"
```

This example gets the security assignments list of the user named Charlie. The identifier contains the distinguished name for the user.

Get-DRADelegatedPowers

Synopsis

Gets the delegated powers of a user.

Syntax

```
Get-DRADelegatedPowers -Domain <String> [-Attributes <String[]>] [-PowersForOperations <String[]>] [-VisiblePropertiesOnly <SwitchParameter>] [-Identifier <String>] [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Get-DRADelegatedPowers cmdlet gets the delegated powers of a user.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Attributes [<i><String[]></i>]</p> <p>An array of attributes to retrieve values for. If this parameter is missing, a default list of properties is returned.</p>	false	named		true (ByPropertyName)	false
<p>PowersForOperations [<i><String[]></i>]</p> <p>An array of DRA operation names for which you want the server to return read/write permission information. This parameter is typically used by a UI-based client to hide or disable elements the calling user doesn't have powers for.</p>	false	named		true (ByPropertyName)	false
<p>VisiblePropertiesOnly [<i><SwitchParameter></i>]</p> <p>A flag to indicate whether DRA should return only properties the caller has powers to view. By default DRA will return an error if the caller requests a property that they do not have powers to view. By specifying this flag, DRA is instructed to not return an error and instead just not return a value for such properties.</p>	false	named		false	false
<p>Identifier <i><String></i></p> <p>The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.</p>	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>Domain</i> <String> The domain of the object in fqdn format. For example: mydomain.corp	true	named		true (ByPropertyName)	false
<i>DRAHostServer</i> [<String>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRAHostPort</i> [<Int32>] The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.	false	named	11192	true (ByPropertyName)	false
<i>DRARestServer</i> [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRARestPort</i> [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
<i>IgnoreCertificateErrors</i> [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Force [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p>Timeout [<i><Int32></i>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	true (ByPropertyName)	false
<p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					
<p>NOTE: For more information, type "Get-Help Get-DRADelegatedPowers -detailed". For technical information, type "Get-Help Get-DRADelegatedPowers -full".</p>					

Example 9-3 1

```
PS C:\>Get-DRADelegatedPowers -Domain MyDomain.corp -Identifier "CN=Charlie,OU=Accounting,DC=MyDomain,DC=corp"
```

This example gets the delegated powers list of the user named Charlie. The identifier contains the distinguished name for the user.

Remove-DRAAssignments

Synopsis

Removes a delegation assignment from assistant administrators.

Syntax

```
Remove-DRAAssignments -Identifier <String> [-AssistantAdmin <String>] [-Roles <String[]>] [-Powers <String[]>] [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Remove-DRAAssignments cmdlet removes an ActiveView assignment and any associated roles or powers from an assistant administrator or Assistant Admin group.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>Identifier</i> <String> An existing ActiveView scope specified by name.	true	named		true (ByPropertyName)	false
<i>AssistantAdmin</i> [<String>] A delegated assistant administrator or group, specified by a user or group distinguished name, or an Assistant Admin group name.	false	named		true (ByPropertyName)	false
<i>Roles</i> [<String>] One or more delegated roles, specified by name.	false	named		true (ByPropertyName)	false
<i>Powers</i> [<String>] One or more delegated powers, specified by name.	false	named		true (ByPropertyName)	false
<i>DRAHostServer</i> [<String>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRAHostPort</i> [<i><Int32></i>]</p> <p>The port number of the DRA Host Service. This parameter is only used when the DRAHostServer parameter is also specified. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Timeout [<i><Int32></i>]	false	named	100 seconds	true (ByPropertyName)	false
<p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p> <p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					

NOTE: For more information, type "Get-Help Remove-DRAAssignments -detailed". For technical information, type "Get-Help Remove-DRAAssignments -full".

Example 9-4 1

```
PS C:\>Remove-DRAAssignments -Identifier AV1 -AssistantAdmin
"CN=MyUser,OU=Users,OU=ABC,OU=ABC-Parent,DC=MYDOMAIN,DC=corp" -Roles
"Audit Users and Groups"
```

This example removes MyUser from the "AV1" ActiveView and from the "Audit Users and Groups" role.

10 Device Commands

This section contains Help information for cmdlets you can execute for the objects that are shared.

Disable-DRADevice

Synopsis

Disable a device object.

Syntax

```
Disable-DRADevice -Domain <String> -Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Disable-DRADevice cmdlet disables the requested device. The requesting user must have the Stop Device power.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>Identifier</i> [<i><String></i>] The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
<i>Domain</i> <i><String></i> The domain of the object in FQDN format. For example: mydomain.corp	true	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRAHostServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA Host Service. The DRA REST server will send the requested operation to the DRA Host Service running on the specified computer. If this parameter is not specified, then the DRA REST Service will attempt to discover a DRA Host Service to use.</p>	false	named		true (ByPropertyName)	false
<p><i>DRAHostPort</i> [<i><Int32></i>]</p> <p>The port number of the DRA Host Service. This parameter is only used when the DRAHostServer parameter is also specified. If the DRAHostServer parameter is specified but the DRAHostPort is not, 11192 will be used as the default Host port.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.</p>	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>IgnoreCertificateErrors</i> [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
<i>Force</i> [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
<i>Timeout</i> [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					
NOTE: For more information, type "Get-Help Disable-DRADevice -detailed". For technical information, type "Get-Help Disable-DRADevice -full".					

Example 10-1 1

```
PS C:\>Disable-DRADevice -Domain MyDomain.corp -Identifier
"CN=MyDevice,CN=COMPUTER123,CN=Computers,DC=MyDomain,DC=corp"
```

This command example disables the device named MyDevice. The identifier contains the distinguished name for the device.

Enable-DRADevice

Synopsis

Enables a device object.

Syntax

```
Enable-DRADevice -Domain <String> -Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Enable-DRADevice cmdlet enables the requested device. The requesting user must have the Start Device power.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Identifier [<i><String></i>] The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain < <i>String</i> > The domain of the object in FQDN format. For example: mydomain.corp	true	named		false	false
DRAHostServer [<i><String></i>] The name of the computer running the DRA Host Service. The DRA REST server will send the requested operation to the DRA Host Service running on the specified computer. If this parameter is not specified, then the DRA REST Service will attempt to discover a DRA Host Service to use.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRAHostPort</i> [<Int32>]</p> <p>The port number of the DRA Host Service. This parameter is only used when the DRAHostServer parameter is also specified. If the DRAHostServer parameter is specified but the DRAHostPort is not, 11192 will be used as the default Host port.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<String>]</p> <p>The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARestPort</i> [<Int32>]</p> <p>The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<SwitchParameter>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Force [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p>Timeout [<i><Int32></i>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	true (ByPropertyName)	false
<p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					
<p>NOTE: For more information, type "Get-Help Enable-DRADevice -detailed". For technical information, type "Get-Help Enable-DRADevice -full".</p>					

Example 10-2 1

```
PS C:\>Enable-DRADevice -Domain MyDomain.corp -Identifier
"CN=MyDevice,CN=COMPUTER123,CN=Computers,DC=MyDomain,DC=corp"
```

This command example enables the device named MyDevice. The identifier contains the distinguished name for the device.

Get-DRADevice

Synopsis

Lists the properties of a computer's device object(s).

Syntax

```
Get-DRADevice -Domain <String> -Identity <String> [-Name <String>] [-
ContainerDN <String>] [-EnforceServerLimit <SwitchParameter>] [-
IncludeChildContainers <SwitchParameter>] [-ObjectsPerResponse <Int32>] [-
ResumeString <String>] [-Attributes <String[]>] [-DRAHostServer <String>]
[-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

Specify the target computer using the distinguishedName. The Get-DRADevice cmdlet returns a list of the device objects. When -Name is specified, returns a list of the device object's properties.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Domain [<i><String></i>] The domain of the object in FQDN format. For example: mydomain.corp	true	named		false	false
Identity [<i><String></i>] The distinguished name of an existing computer object. For example: CN=COMPUTER123,CN=Computers,DC=DRDOM123,DC=com	true	named		true (ByPropertyName)	false
Name [<i><String></i>] The Name parameter specifies the name of a computer resource. For example, "MyShare" for a file share, "MCSAdminSvc" for a service or, "Application" for an event log.	false	named		true (ByPropertyName)	false
Container <String> The full path to the container to search in distinguished name format. For example: - ContainerDN "OU=Accounting,DC=MyDomain,DC=corp"	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>EnforceServerLimit</i> [<SwitchParameter>]</p> <p>A switch parameter to indicate that the search results should be limited by the search result limit on the DRA Server. The typical server limit is 1000 items. The default is true.</p>	false	named		false	false
<p><i>IncludeChildContainers</i> [<SwitchParameter>]</p> <p>A switch parameter to request that the search include child containers. The default is false: only the container named in the ContainerDN parameter is searched.</p>	false	named		false	false
<p><i>ObjectsPerResponse</i> [<Nullable`1>]</p> <p>The number of objects to return in a response. The default is 250.</p>	false	named		false	false
<p><i>ResumeString</i> [<String>]</p> <p>When multiple responses are needed to return all of the search results to the client, this parameter indicates the last item returned from the server. The value of this parameter would be set using the ResumeString property from the previous set of results. The ResumeString may look like this: "CN=MYUser160,CN=Users,DC=MyDomain,DC=corp"</p>	false	named		false	false
<p><i>Attributes</i> [<String[]>]</p> <p>An array of attributes to retrieve specific values. If this parameter is missing, a default list of properties is returned.</p>	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRAHostServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA Host Service. The DRA REST server will send the requested operation to the DRA Host Service running on the specified computer. If this parameter is not specified, then the DRA REST Service will attempt to discover a DRA Host Service to use.</p>	false	named		true (ByPropertyName)	false
<p><i>DRAHostPort</i> [<i><Int32></i>]</p> <p>The port number of the DRA Host Service. This parameter is only used when the DRAHostServer parameter is also specified. If the DRAHostServer parameter is specified but the DRAHostPort is not, 11192 will be used as the default Host port.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.</p>	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>IgnoreCertificateErrors</i> [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
<i>Force</i> [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
<i>Timeout</i> [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					

NOTE: For more information, type "Get-Help Get-DRADevice -detailed". For technical information, type "Get-Help Get-DRADevice -full".

Example 10-3 1

```
PS C:\>Get-DRADevice -Domain MyDomain.corp -Identity
"CN=COMPUTER123,CN=Computers,DC=MyDomain,DC=corp"
```

This command example returns a list of device objects that belong to the computer named COMPUTER123 in MyDomain.corp.

Example 10-4 2

```
PS C:\>Get-DRADevice -Domain MyDomain.corp -Identity  
"CN=COMPUTER123,CN=Computers,DC=MyDomain,DC=corp" -Name "MyDevice"
```

This command example returns a list of MyDevice properties on the computer COMPUTER123 in MyDomain.corp.

Set-DRADevice

Synopsis

Updates the properties of the computer device specified by the Identifier parameter.

Syntax

```
Set-DRADevice -Domain <String> -Properties <Hashtable> -Identifier <String>  
[-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>]  
[-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-  
Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Set-DRADevice cmdlet modifies the requested device object of a computer. The requesting device must have Modify Device powers for each of the properties sent in the request.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Properties <Hashtable></p> <p>A Hashtable of property values. The key is the name of a defined property in the REST interface. For example: <code>-Properties @{Description="my description";Location="Houston"}</code></p> <p>Multiple values are specified as a comma-separated list. For example: <code>-Properties @{otherTelephones="555-1212","123-4567"}</code></p> <p>If the property name contains non-alphanumeric characters it needs to be quoted. For example: <code>-Properties @"{VA-DRA-VirtualAttribute}=42}</code></p> <p>If the property value contains a quote it needs to be escaped with a backtick (`). For example: <code>-Properties @{Description="my `test` description"}</code></p>	true	named		true (ByPropertyName)	false
<p>Identifier [<String>]</p> <p>The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.</p>	true	named		true (ByPropertyName)	false
<p>Domain <String></p> <p>The domain of the object in FQDN format. For example: <code>mydomain.corp</code></p>	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRAHostServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA Host Service. The DRA REST server will send the requested operation to the DRA Host Service running on the specified computer. If this parameter is not specified, then the DRA REST Service will attempt to discover a DRA Host Service to use.</p>	false	named		true (ByPropertyName)	false
<p><i>DRAHostPort</i> [<i><Int32></i>]</p> <p>The port number of the DRA Host Service. This parameter is only used when the DRAHostServer parameter is also specified. If the DRAHostServer parameter is specified but the DRAHostPort is not, 11192 will be used as the default Host port.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.</p>	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>IgnoreCertificateErrors</i> [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
<i>Force</i> [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
<i>Timeout</i> [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					

NOTE: For more information, type "Get-Help Set-DRADevice -detailed". For technical information, type "Get-Help Set-DRADevice -full".

Example 10-5 1

```
PS C:\>Set-DRADevice -Domain MyDomain.corp -Identifier
"CN=MyDevice,CN=Computer123,CN=Computers,DC=MyDomain,DC=corp" -Properties
@{StartType=2}
```

In this example, the Set-DRADevice cmdlet updates the StartType property on the device "MyDevice" in MyDomain.corp. The identifier contains the distinguished name for the device.

The StartType property requires a value between 0 and 4:

- 0 BOOT
- 1 SYSTEM
- 2 AUTOMATIC
- 3 MANUAL
- 4 DISABLED

To see the complete list of available properties, perform a Get-DRADevice command on the object returned from any DRADevice command.

11 Domain Commands

This section contains cmdlets you can execute for domains, servers, and domain objects.

Get-DRADomain

Synopsis

Gets properties for a single domain or all managed domains.

Syntax

```
Get-DRADomain [-Domain <String>] [-Attributes <String[]>] [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Get-DRADomain cmdlet returns the properties of domains. You can specify a specific domain. If you do not specify a domain, the server will return the first 250 domains managed by DRA. To filter the domain list, use the Find-DRAObjects command. The server will only return domains for which the requesting user has the View All Domain Properties power. You can view the default list of properties or request specific properties. See the examples for information on how to view specific properties.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Domain [<i><String></i>] The domain of the object in fqdn format. For example: mydomain.corp	true	named		true (ByPropertyName)	false
Attributes [<i><String[]></i>] An array of attributes to retrieve values for. If this parameter is missing, a default list of properties is returned.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>DRAHostServer</i> [<String>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRAHostPort</i> [<Int32>] The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.	false	named	11192	true (ByPropertyName)	false
<i>DRARestServer</i> [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRARESTPort</i> [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
<i>IgnoreCertificateErrors</i> [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
<i>Force</i> [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Timeout [<i><Int32></i>]	false	named	100 seconds	true (ByPropertyName)	false
<p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p> <p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					

NOTE: For more information, type "Get-Help Get-DRADomain -detailed". For technical information, type "Get-Help Get-DRADomain -full".

Example 11-1 1

```
PS C:\>Get-DRADomain -Attributes "dnsFlatName","distinguishedName"
```

This example requests two specific properties for all managed domains: dnsFlatName and distinguishedName. The results will contain the first 250 domains where the requesting user has the View All Domain Properties power. To filter the list or to see more than 250 domains, use the Find-DRAObjects command.

Example 11-2 2

```
PS C:\>Get-DRADomain -Domain MyDomain.corp
```

This example requests the default list of properties for the domain MyDomain.corp.

Set-DRADomain

Synopsis

Updates the properties of a managed domain.

Syntax

```
Set-DraDomain -Domain <String> -Properties <Hashtable> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Set-DRADomain cmdlet updates the properties of a managed domain. You must have the power to modify DRA configuration data

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Domain [<i><String></i>] The domain of the object in fqdn format. For example: mydomain.corp	true	named		true (ByPropertyName)	false
Properties <i><Hashtable></i> A Hashtable of property values. The key is the name of a defined property in the REST interface. For example: -Properties @{Description="my description";Location="Houston"} Multiple values are specified as a comma-separated list. For example: -Properties @{otherTelephones="555-1212", "123-4567"} If the property name contains non-alphanumeric characters it needs to be quoted. For example: -Properties @"VA-DRA-VirtualAttribute=42" If the property value contains a quote it needs to be escaped with a backtick (`). For example: -Properties @{Description="my `test` description"}	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>DRAHostServer</i> [<String>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRAHostPort</i> [<Int32>] The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.	false	named	11192	true (ByPropertyName)	false
<i>DRARestServer</i> [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRARESTPort</i> [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
<i>IgnoreCertificateErrors</i> [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
<i>Force</i> [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Timeout [<i><Int32></i>]	false	named	100 seconds	true (ByPropertyName)	false
<p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p> <p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					

NOTE: For more information, type "Get-Help Set-DRADomain -detailed". For technical information, type "Get-Help Set-DRADomain -full".

Example 11-3 1

```
PS C:\>Set-DRADomain -Domain MyDomain.corp -Properties
@{IsRecycleBinEnabled=$true;PeriodicallyCleanRecycleBin=$true;
PeriodicallyCleanRecycleBinDailyInterval=100;
PeriodicallyCleanRecycleBinStartDate=(Get-Date).AddDays(7);
RecycleBinManagesComputers=$true;
PeriodicallyDeleteComputersFromRecycleBin=$true;
DeleteComputersOlderThanDays=100}
```

This example enables the NetIQ Recycle Bin for the domain MyDomain.corp with the following settings:

1. The Recycle Bin cleanup job tor run every 100 days starting 7 days from when the cmdlet is run.
2. Computer objects should be moved to the Recycle Bin when deleted from Active Directory.
3. The Recycle Bin cleanup job should permanently delete any computer in the Recycle Bin older than 100 days.

Example 11-4 2

```
PS C:\>Set-DRADomain -Domain MyDomain.corp -Properties
@{preferredDc="CorpDC01.MyDomain.corp" }
```

This command example sets the preferred domain controller for MyDomain.corp to CorpDC01.MyDomain.corp

12 Dynamic Distribution Groups

This section contains cmdlets you can execute for the Dynamic Distribution Group object type.

Add-DRADynamicDistributionGroup

Synopsis

Adds a dynamic distribution group to an Active Directory domain.

Syntax

```
Add-DRADynamicDistributionGroup -ExchangeVersion <String> -Properties <Hashtable> -Domain <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Add-DRADynamicDistributionGroup cmdlet adds a dynamic distribution group to a domain managed by DRA. The requesting user must have the CreateDynamicDistribution Group power. To see the complete list of available properties, perform a Get-Member command on the object returned from any DRADynamicDistributionGroup command.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>ExchangeVersion</i> <String> Value to indicate which Exchange version should be used to create the Dynamic Distribution Group. Valid values are 2013, 20106 or 2019.	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Properties <Hashtable></p> <p>A Hashtable of property values. The key is the name of a defined property in the REST interface. For example: <code>-Properties @{Description="my description";Location="Houston"}</code></p> <p>Multiple values are specified as a comma-separated list.</p> <p>For example: <code>-Properties @{otherTelephones="555-1212", "123-4567"}</code></p> <p>If the property name contains non-alphanumeric characters it needs to be quoted.</p> <p>For example: <code>-Properties @{ "VA-DRA-VirtualAttribute"=42}</code></p> <p>If the property value contains a quote it needs to be escaped with a backtick (`).</p> <p>For example: <code>-Properties @{Description="my `test` description"}</code></p>	true	named		true (ByPropertyName)	false
<p>Identifier <String></p> <p>The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.</p>	true	named		true (ByPropertyName)	false
<p>Domain <String></p> <p>The domain of the object in fqdn format. For example: <code>mydomain.corp</code></p>	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRAHostServer</i> [<String>]</p> <p>The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRAHostPort</i> [<Int32>]</p> <p>The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<String>]</p> <p>The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARESTPort</i> [<Int32>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<SwitchParameter>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<SwitchParameter>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Timeout [<i><Int32></i>]	false	named	100 seconds	true (ByPropertyName)	false
<p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p> <p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					

NOTE: For more information, type "Get-Help Add-DRADynamicDistributionGroup -detailed". For technical information, type "Get-Help Add-DRADynamicDistributionGroup -full".

Example 12-1 1

```
PS C:\>Add-DRADynamicDistributionAGroup -Domain MyDomain.corp -Properties
@{FriendlyName="MyDomain.corp/Accounting/GROUP123"; Description="Group for
powershell"; ManagedBy="CN=George, CN=Users, DC=MYDOMAIN, DC=corp"} -
ExchangeVersion "2016"
```

This example creates a dynamic distribution group named GROUP123 in Active Directory using the DRA FriendlyName property. The group will be created using Exchange 2016 in the domain MyDomain.corp in the Accounting OU. There are two properties set on thisgroup: Description and ManagedBy

Example 12-2 2

```
PS C:\>Add-DRADynamicDistributionGroup -Domain MyDomain.corp -Properties
@{DistinguishedName="CN=GROUP123, OU=Accounting,
DC=MyDomain, DC=corp"; Description="Group for powershell"} -ExchangeVersion
"2016"
```

This example creates a dynamic distribution group named GROUP123 in Active Directory using the DRA DistinguishedName property. The group will be created using Exchange 2016 in the domain MyDomain.corp in the Accounting OU. Description is the onlyproperty set on this group.

Copy-DRADynamicDistributionGroup

Synopsis

Copies an existing dynamic distribution group to a new location.

Syntax

```
Copy-DRADynamicDistributionGroup -Domain <String> -Properties <Hashtable>  
-Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-  
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors  
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]  
[<CommonParameters>]
```

Description

The Copy-DRADynamicDistributionGroup cmdlet copies an existing dynamic distribution group to a new location. The response contains the string generated by the server.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Properties <Hashtable></p> <p>A Hashtable of property values. The key is the name of a defined property in the REST interface. For example: <code>-Properties @{Description="my description";Location="Houston"}</code></p> <p>Multiple values are specified as a comma-separated list.</p> <p>For example: <code>-Properties @{otherTelephones="555-1212", "123-4567"}</code></p> <p>If the property name contains non-alphanumeric characters it needs to be quoted.</p> <p>For example: <code>-Properties @{"VA-DRA-VirtualAttribute"=42}</code></p> <p>If the property value contains a quote it needs to be escaped with a backtick (`).</p> <p>For example: <code>-Properties @{Description="my `test` description"}</code></p>	true	named		true (ByPropertyName)	false
<p>Identifier <String></p> <p>The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.</p>	true	named		true (ByPropertyName)	false
<p>Domain <String></p> <p>The domain of the object in fqdn format. For example: <code>mydomain.corp</code></p>	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRAHostServer</i> [<String>]</p> <p>The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRAHostPort</i> [<Int32>]</p> <p>The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<String>]</p> <p>The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARESTPort</i> [<Int32>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<SwitchParameter>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<SwitchParameter>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters>					
Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					
NOTE: For more information, type "Get-Help Copy-DRADynamicDistributionGroup -detailed". For technical information, type "Get-Help Copy-DRADynamicDistributionGroup -full".					

Example 12-3 1

```
PS C:\>Copy-DRADynamicDistributionGroup -Identifier
"CN=DDGsource,OU=Accounting,DC=MyDomain,DC=corp" -Properties
@{DistinguishedName="CN=USER123,OU=Tax,DC=MyDomain,DC=corp"} -domain
MyDomain.corp
```

This example will copy the dynamic distribution named DDGsource from the Accounting OU in MyDomain.corp to a new dynamic distribution group named USER123 in the Tax OU in MyDomain.corp.

Get-DRADynamicDistributionGroup

Synopsis

Gets information about a dynamic distribution group account.

Syntax

```
Get-DRADynamicDistributionGroup -Domain <String> [-Attributes <String[]>]
[-PowersForOperations <String[]>] [-VisiblePropertiesOnly
<SwitchParameter>] -Identifier <String> [-DRAHostServer <String>] [-
DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```


Description

The Get-DRADynamicDistributionGroup cmdlet returns the properties of the requested group account managed by DRA. The requesting user must have the View All Dynamic Distribution Group Properties power. You can view the default list of properties or request specific properties. See the examples for information on how to view specific properties.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Attributes [<i><String[]></i>] An array of attributes to retrieve specific values. If this parameter is missing, a default list of properties is returned.	false	named		true (ByPropertyName)	false
PowersForOperations [<i><String[]></i>] An array of DRA operation names for which you want the server to return read/write permission information. This parameter is typically used by a UI-based client to hide or disable elements the calling user doesn't have powers for.	false	named		true (ByPropertyName)	false
VisiblePropertiesOnly [<i><SwitchParameter></i>] A flag to indicate whether DRA should return only properties the caller has powers to view. By default, DRA will return an error if the caller requests a property that they do not have powers to view. By specifying this flag, DRA is instructed to not return an error and instead just not return a value for such properties.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Identifier <String></p> <p>The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.</p>	true	named		true (ByPropertyName)	false
<p>Domain <String></p> <p>The domain of the object in FQDN format. For example: mydomain.corp</p>	true	named		true (ByPropertyName)	false
<p>DRAHostServer [<String>]</p> <p>The name of the computer running the DRA Host Service. The DRA REST server will send the requested operation to the DRA Host Service running on the specified computer. If this parameter is not specified, then the DRA REST Service will attempt to discover a DRA Host Service to use.</p>	false	named		true (ByPropertyName)	false
<p>DRAHostPort [<Int32>]</p> <p>The port number of the DRA Host Service. This parameter is only used when the DRAHostServer parameter is also specified. If the DRAHostServer parameter is specified but the DRAHostPort is not, 11192 will be used as the default Host port.</p>	false	named	11192	true (ByPropertyName)	false
<p>DRARestServer [<String>]</p> <p>The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.</p>	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<i><Int32></i>]</p> <p>The wait time in seconds before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	true (ByPropertyName)	false
<p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					

NOTE: For more information, type "Get-Help Get-DRADynamicDistributionGroup -detailed". For technical information, type "Get-Help Get-DRADynamicDistributionGroup -full".

Example 12-4 1

```
PS C:\>Get-DRADynamicDistributionGroup -Domain MyDomain.corp -Identifier
"GROUP123" -Attributes
"Description", "DisplayName", DistinguishedName", "FriendlyPath", "FriendlyPar
entPath", "FriendlyName", "SamAccountName"
```

This example requests the properties of the group named GROUP123 in MyDomain.corp. The Attributes parameter specifies what properties to return. When the Attributes parameter is not present, a default list of properties will be returned.

Example 12-5 2

```
PS C:\>Get-DRADynamicDistributionGroup -Domain MyDomain.corp -Identifier
"GROUP123"
```

This example requests the properties of the group named GROUP123 in MyDomain.corp. The identifier contains the name for the group. When the name is used, the REST endpoint will first ask the DRA Server for the distinguished name and then request the properties for that group.

Example 12-6 3

```
PS C:\>Get-DRADynamicDistributionGroup -Domain MyDomain.corp -Identifier
"CN=GROUP123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example requests the properties of the group named GROUP123 in MyDomain.corp. The identifier contains the distinguished name for the group.

Get-DRADynamicDistributionGroupPreview

Synopsis

Previews the objects in a container that would match the conditions of a dynamic distribution group.

Syntax

```
Get-DRADynamicDistributionGroupPreview [-Attributes <String[]>] -
Properties <Hashtable> -Domain <String> [-DRAHostServer <String>] [-
DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Get-DRADynamicDistributionGroupPreview cmdlet returns the objects that would match the conditions of a dynamic distribution group. The response contains the list of objects that are in the specified filter of the target container. You can specify the target container using either the recipientContainer or the distinguishedName attribute.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Attributes [<i><String[]></i>]</p> <p>An array of attributes to retrieve values for. If this parameter is missing, a default list of properties is returned.</p>	false	named		true (ByPropertyName)	false
<p>PowersForOperations [<i><String[]></i>]</p> <p>An array of DRA operation names for which you want the server to return read/write permission information. This parameter is typically used by a UI-based client to hide or disable elements the calling user doesn't have powers for.</p>	false	named		true (ByPropertyName)	false
<p>VisiblePropertiesOnly [<i><SwitchParameter></i>]</p> <p>A flag to indicate whether DRA should return only properties the caller has powers to view. By default, DRA will return an error if the caller requests a property that they do not have powers to view. By specifying this flag, DRA is instructed to not return an error and instead just not return a value for such properties.</p>	false	named		false	false
<p>Identifier <i><String></i></p> <p>The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.</p>	true	named		true (ByPropertyName)	false
<p>Domain <i><String></i></p> <p>The domain of the object in fqdn format. For example: mydomain.corp</p>	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>DRAHostServer</i> [<i><String></i>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRAHostPort</i> [<i><Int32></i>] The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.	false	named	11192	true (ByPropertyName)	false
<i>DRARestServer</i> [<i><String></i>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRARestPort</i> [<i><Int32></i>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
<i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
<i>Force</i> [<i><SwitchParameter></i>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Timeout [<i><Int32></i>]	false	named	100 seconds	true (ByPropertyName)	false
<p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p> <p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					

NOTE: For more information, type "Get-Help Get-DRADynamicDistributionGroupPreview -detailed". For technical information, type "Get-Help Get-DRADynamicDistributionGroupPreview -full".

Example 12-7 1

```
PS C:\>Get-DRADynamicDistributionGroupPreview -Domain MyDomain.corp -
Properties @{description="some information";
recipientContainer="OU=Tax,DC=MyDomain,DC=corp";ConditionalCustomAttributes
1="value1", "value2";ConditionalStateOrProvince="TX", "OR";ConditionalDepart
ment="Accounting";ConditionalCompany="ACME" }
```

This example will return a list of objects that would match the dynamic distribution group conditions in the Tax OU in MyDomain.corp. The group members will each have all of the criteria listed for ConditionalCustomAttributes1, ConditionalStateOrProvince, ConditionalDepartment and ConditionalCompan

Move-DRADynamicDistributionGroup

Synopsis

Moves a dynamic distribution group from one location in Active Directory to another.

Syntax

```
Move-DRADynamicDistributionGroup -Domain <String> -TargetContainer
<String> -Identifier <String> [-DRAHostServer <String>] [-DRAHostPort
<Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Move-DRADynamicDistributionGroup cmdlet moves the group named in Identifier to the OU named in the TargetContainer. The requesting user must have the Move Group to OU power on the TargetContainer. Supported formats for Identifier are friendly name and distinguished name.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
TargetContainer <String> The full path to the destination container for the object you are moving, in distinguished name format. For example: - TargetContainer "OU=Accounting,DC=MyDomain,DC=corp".	false	named		true (ByPropertyName)	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: mydomain.corp	true	named		true (ByPropertyName)	false
DRAHostServer [<String>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRAHostPort</i> [<Int32>]</p> <p>The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<String>]</p> <p>The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARestPort</i> [<Int32>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<SwitchParameter>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<SwitchParameter>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<Int32>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters>					
Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					
NOTE: For more information, type "Get-Help Move-DRADynamicDistributionGroup -detailed". For technical information, type "Get-Help Move-DRADynamicDistributionGroup -full".					

Example 12-8 1

```
PS C:\> Move-DRADynamicDistributionGroup -Domain MyDomain.corp -Identifier "CN=Engineering,OU=Accounting,DC=MyDomain,DC=corp" -TargetContainer "OU=NewParent,OU=AccountingHomeOffice,DC=MyDomain,DC=corp"
```

This example moves the dynamic distribution group named Engineering from the Accounting container to the NewParent container. The identifier contains the distinguished name for the dynamic distribution group.

Remove-DRADynamicDistributionGroup

Synopsis

Removes a DynamicDistribution group account from Active Directory.

Syntax

```
Remove-DRADynamicDistributionGroup -Domain <String> -Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Remove-DRADynamicDistributionGroup cmdlet deletes the requested group account. The requesting user must have one of the Delete Group powers. If the Recycle Bin is enabled, the group is moved to the Recycle Bin.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: mydomain.corp	true	named		true (ByPropertyName)	false
DRAHostServer [<String>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRAHostPort [<Int32>] The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.	false	named	11192	true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>IgnoreCertificateErrors</i> [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
<i>Force</i> [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
<i>Timeout</i> [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					

NOTE: For more information, type "Get-Help Remove-DRADynamicDistributionGroup -detailed". For technical information, type "Get-Help Remove-DRADynamicDistributionGroup -full".

Example 12-9 1

```
PS C:\>Remove-DRADynamicDistributionGroup -Domain MyDomain.corp -
Identifier "CN=GROUP123,OU=NetIQRecycleBin,DC=MyDomain,DC=corp"
```

This example deletes the group named GROUP123 from the DRA Recycle Bin, removing it permanently from Active Directory.

Example 12-10 2

```
PS C:\>Remove-DRADynamicDistributionGroup -Domain MyDomain.corp -
Identifier
    "CN=GROUP123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example deletes the group named GROUP123 from MyDomain.corp. The identifier contains the distinguished name for the group. If the Recycle Bin is enabled, the group is moved to the Recycle Bin. Otherwise, it is removed permanently.

Restore-DRADynamicDistributionGroup

Synopsis

Restores the specified dynamic distribution group from the Recycle Bin.

Syntax

```
Restore-DRADynamicDistributionGroup -Domain <String> [-DomainController
<String>] [-RestoreToContainer <String>] -Identifier <String> [-
DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-
DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force
<SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Restore-DRADynamicDistributionGroup cmdlet will restore a previously deleted dynamic distribution group from the Recycle Bin to its original container or to a new specified container. Supported formats for the identifier are friendly name and distinguished name. If the full path is specified, it must point to the Recycle Bin (NetIQRecycleBin).

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
DomainController [<i><String></i>] The computer name of a specific domain controller to use for the request.	false	named		true (ByPropertyName)	false
RestoreToContainer [<i><String></i>] The distinguished name of the container to which you want to restore the object. If this parameter is not specified, DRA will attempt to restore the object to its original container.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: mydomain.corp	true	named		true (ByPropertyName)	false
DRAHostServer [<String>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRAHostPort [<Int32>] The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.	false	named	11192	true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>IgnoreCertificateErrors</i> [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
<i>Force</i> [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
<i>Timeout</i> [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					

NOTE: For more information, type "Get-Help Restore-DRADynamicDistributionGroup -detailed". For technical information, type "Get-Help Restore-DRADynamicDistributionGroup -full".

Example 12-11 1

```
PS C:\>Restore-DRADynamicDistributionGroup -Identifier
"CN=DDG8,OU=NetIQRecycleBin,DC=MyDomain,DC=corp" -restoreToContainer
"OU=TempCon,DC=MyDomain,DC=CORP" -domain MyDomain.corp
```

This example will restore a dynamic distribution group named DDG8 from the NetIQRecycleBin in MyDomain.corp. It will be restored to the container named TempCon in MyDomain.corp.

Example 12-12 2

```
PS C:\>Restore-DRADynamicDistributionGroup -Identifier  
"CN=DDG8,OU=NetIQRecycleBin,DC=MyDomain,DC=corp" -domain MyDomain.corp
```

This example will restore a dynamic distribution group named DDG8 from the NetIQRecycleBin in MyDomain.corp. It will be restored to the original location where it was deleted from.

Set-DRADynamicDistributionGroup

Synopsis

Updates the properties of an existing dynamic distribution group account in Active Directory.

Syntax

```
Set-DRADynamicDistributionGroup -Domain <String> [-Properties <Hashtable>]  
-Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-  
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors  
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]  
[<CommonParameters>]
```

Description

The Set-DRADynamicDistributionGroup cmdlet modifies the specified group account. The requesting user must have one of the Modify Dynamic Distribution Group powers. If the Recycle Bin is enabled, the group is moved to the Recycle Bin.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Properties <Hashtable></p> <p>A Hashtable of property values. The key is the name of a defined property in the REST interface. For example: <code>-Properties @{Description="my description";Location="Houston"}</code></p> <p>Multiple values are specified as a comma-separated list.</p> <p>For example: <code>-Properties @{otherTelephones="555-1212", "123-4567"}</code></p> <p>If the property name contains non-alphanumeric characters it needs to be quoted.</p> <p>For example: <code>-Properties @{ "VA-DRA-VirtualAttribute"=42}</code></p> <p>If the property value contains a quote it needs to be escaped with a backtick (`).</p> <p>For example: <code>-Properties @{Description="my `test` description"}</code></p>	true	named		true (ByPropertyName)	false
<p>Identifier <String></p> <p>The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.</p>	true	named		true (ByPropertyName)	false
<p>Domain <String></p> <p>The domain of the object in fqdn format. For example: <code>mydomain.corp</code></p>	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRAHostServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRAHostPort</i> [<i><Int32></i>]</p> <p>The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARESTPort</i> [<i><Int32></i>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Timeout [<i><Int32></i>]	false	named	100 seconds	true (ByPropertyName)	false
<p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p> <p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					

NOTE: For more information, type "Get-Help Set-DRADynamicDistributionGroup -detailed". For technical information, type "Get-Help Set-DRADynamicDistributionGroup -full".

Example 12-13 1

```
PS C:\>Set-DRADynamicDistributionGroup -Domain MyDomain.corp -Identifier
"CN=GROUP123,OU=Accounting,DC=MyDomain,DC=corp" -Properties
@{IncludedRecipients="MailUsers";Moderators="CN=George,CN=Users,DC=MYDOMAI
N,DC=corp";EnableModeration=$true}
```

This example updates some of the properties for the group GROUP123 in MyDomain.corp. The identifier contains the distinguished name for the group. Three properties are updated: IncludedRecipients, EnableModeration and Moderators. To see the complete list of available properties, perform a Get-Member command on the object returned from any DRADynamicDistributionGroup command.

Example 12-14 2

```
PS C:\>Set-DRADynamicDistributionGroup -Domain MyDomain.corp -Identifier
"GROUP123" -Properties @{ManagedBy=CN=George,
CN=Users,DC=MYDOMAIN,DC=corp";Description="updated description"}
```

This example updates some of the properties for the group GROUP123 in MyDomain.corp. The Identifier specifies the name of the group. When the identifier format is the name, the REST endpoint will contact the DRA Server to resolve the name to the full distinguished name.

13 Event Log Commands

This section contains Help information for cmdlets you computer event log objects.

Clear-DRAEventLog

Synopsis

Clears an event log object.

Syntax

```
Clear-DRAEventLog -Domain <String> -Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Clear-DRAEventLog cmdlet clears the requested event log. The requesting user must have the Clear Event Log power.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>Identifier</i> <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
<i>Domain</i> <String> The domain of the object in FQDN format. For example: mydomain.corp	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRAHostServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA Host Service. The DRA REST server will send the requested operation to the DRA Host Service running on the specified computer. If this parameter is not specified, then the DRA REST Service will attempt to discover a DRA Host Service to use.</p>	false	named		true (ByPropertyName)	false
<p><i>DRAHostPort</i> [<i><Int32></i>]</p> <p>The port number of the DRA Host Service. This parameter is only used when the DRAHostServer parameter is also specified. If the DRAHostServer parameter is specified but the DRAHostPort is not, 11192 will be used as the default Host port.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARestPort</i> [<i><Int></i>]</p> <p>The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.</p>	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>IgnoreCertificateErrors</i> [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
<i>Force</i> [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
<i>Timeout</i> [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					

NOTE: For more information, type "Get-Help Clear-DRAEventLog -detailed". For technical information, type "Get-Help Clear-DRAEventLog -full".

Example 13-1 1

```
PS C:\>Clear-DRAEventLog -Domain MyDomain.corp -Identifier
"CN=Application,CN=COMPUTER123,CN=Computers,DC=MyDomain,DC=corp"
```

This command example clears the Application event log on the computer COMPUTER123. The identifier contains the distinguished name for the event log.

Get-DRAEventLog

Synopsis

Lists the properties of a computer's event log(s).

Syntax

```
Get-DRAEventLog -Domain <String> -Identity <String> [-Name <String>] [-ContainerDN <String>] [-EnforceServerLimit <SwitchParameter>] [-IncludeChildContainers <SwitchParameter>] [-ObjectsPerResponse <Int32>] [-ResumeString <String>] [-Attributes <String[]>] [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

Specify the target computer using the distinguishedName. The Get-DRAEventLog cmdlet returns a list of the event logs. When -Name is specified, returns a list of the event log's properties.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Domain [<i><String></i>] The domain of the object in FQDN format. For example: mydomain.corp	false	named		true (ByPropertyName)	false
Identity [<i><String></i>] The distinguished name of an existing computer object. For example: CN=COMPUTER123,CN=Computers,DC=DRDOM123,DC=com	true	named		true (ByPropertyName)	false
Name [<i><String></i>] The Name parameter specifies the name of a computer resource. For example, "MyShare" for a file share, "MCSAdminSvc" for a service or, "Application" for an event log.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>ContainerDN [<i><String></i>]</p> <p>The full path to the container to search in distinguished name format. For example: - ContainerDN "OU=Accounting,DC=MyDomain,DC=corp"</p>	false	named		false	false
<p>EnforceServerLimit [<i><SwitchParameter></i>]</p> <p>A switch parameter to indicate that the search results should be limited by the search result limit on the DRA Server. The typical server limit is 1000 items. The default is true.</p>	false	named		false	false
<p>IncludeChildContainers [<i><SwitchParameter></i>]</p> <p>A switch parameter to request that the search include child containers. The default is false: only the container named in the ContainerDN parameter is searched.</p>	false	named		false	false
<p>ObjectsPerResponse [<i><Nullable`1></i>]</p> <p>The number of objects to return in a response. The default is 250.</p>	false	named		false	false
<p>ResumeString [<i><String></i>]</p> <p>When multiple responses are needed to return all of the search results to the client, this parameter indicates the last item returned from the server. The value of this parameter would be set using the ResumeString property from the previous set of results. The ResumeString may look like this: "CN=MYUser160,CN=Users,DC=MyDomain,DC=corp"</p>	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Attributes [<String[]>]</p> <p>An array of attributes to retrieve specific values. If this parameter is missing, a default list of properties is returned.</p>	false	named		true (ByPropertyName)	false
<p>DRAHostServer [<String>]</p> <p>The name of the computer running the DRA Host Service. The DRA REST server will send the requested operation to the DRA Host Service running on the specified computer. If this parameter is not specified, then the DRA REST Service will attempt to discover a DRA Host Service to use.</p>	false	named		true (ByPropertyName)	false
<p>DRAHostPort [<Int32>]</p> <p>The port number of the DRA Host Service. This parameter is only used when the DRAHostServer parameter is also specified. If the DRAHostServer parameter is specified but the DRAHostPort is not, 11192 will be used as the default Host port.</p>	false	named	11192	true (ByPropertyName)	false
<p>DRARestServer [<String>]</p> <p>The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.</p>	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<i><Int32></i>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	true (ByPropertyName)	false
<p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					

NOTE: For more information, type "Get-Help Get-DRAEventLog -detailed". For technical information, type "Get-Help Get-DRAEventLog -full".

Example 13-2 1

```
PS C:\>Get-DRAEventLog -Domain MyDomain.corp -Identity  
"CN=COMPUTER123,CN=Computers,DC=MyDomain,DC=corp"
```

This command example returns a list of event logs that belong to the computer named COMPUTER123 in MyDomain.corp.

Example 13-3 2

```
PS C:\>Get-DRAEventLog -Domain MyDomain.corp -Identity  
"CN=COMPUTER123,CN=Computers,DC=MyDomain,DC=corp" -Name "MyEventLog"
```

This command example returns a list of MyEventLog properties on the computer COMPUTER123 in MyDomain.corp.

Set-DRAEventLog

Synopsis

Updates the properties of the computer event log specified by the Identifier parameter.

Syntax

```
Set-DRAEventLog -Domain <String> -Properties <Hashtable> -Identifier  
<String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer  
<String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors  
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]  
[<CommonParameters>]
```

Description

The Set-DRAEventLog cmdlet modifies the requested event log of a computer. The requesting event log must have the Modify All Event Log Properties power.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Properties <Hashtable></p> <p>A Hashtable of property values. The key is the name of a defined property in the REST interface. For example: <code>-Properties @{Description="my description";Location="Houston"}</code></p> <p>Multiple values are specified as a comma-separated list. For example: <code>-Properties @{otherTelephones="555-1212","123-4567"}</code></p> <p>If the property name contains non-alphanumeric characters it needs to be quoted. For example: <code>-Properties @"{ "VA-DRA-VirtualAttribute"=42}</code></p> <p>If the property value contains a quote it needs to be escaped with a backtick (`). For example: <code>-Properties @{Description="my `test` description"}</code></p>	true	named		true (ByPropertyName)	false
<p>Identifier <String></p> <p>The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.</p>	true	named		true (ByPropertyName)	false
<p>Domain <String></p> <p>The domain of the object in FQDN format. For example: <code>mydomain.corp</code></p>	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRAHostServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA Host Service. The DRA REST server will send the requested operation to the DRA Host Service running on the specified computer. If this parameter is not specified, then the DRA REST Service will attempt to discover a DRA Host Service to use.</p>	false	named		true (ByPropertyName)	false
<p><i>DRAHostPort</i> [<i><Int32></i>]</p> <p>The port number of the DRA Host Service. This parameter is only used when the DRAHostServer parameter is also specified. If the DRAHostServer parameter is specified but the DRAHostPort is not, 11192 will be used as the default Host port.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.</p>	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>IgnoreCertificateErrors</i> [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
<i>Force</i> [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
<i>Timeout</i> [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					
NOTE: For more information, type "Get-Help Set-DRAEventLog -detailed". For technical information, type "Get-Help Set-DRAEventLog -full".					

Example 13-4 1

```
PS C:\>Set-DRAEventLog -Domain MyDomain.corp -Identifier
"CN=MyEventLog,CN=Computer123,CN=Computers,DC=MyDomain,DC=corp" -
Properties @{DisplayName="My Event Log" }
```

This command example returns a list of share objects that belong to the computer named COMPUTER123 in MyDomain.corp.

Example 13-5 2

```
PS C:\>Get-DRAShare -Domain MyDomain.corp -Identity  
"CN=COMPUTER123,CN=Computers,DC=MyDomain,DC=corp" -Name "MyShare"
```

In this example, the Set-DRAEventLog cmdlet updates the DisplayName property on the event log "MyEventLog" on the computer Computer123. The identifier contains the distinguished name for the event log.

14 Exchange Commands

This section contains cmdlets you can execute for Exchange related cmdlets or the Mailbox object type.

Get-DRAExchangeAdminGroups

Synopsis

Gets the list of Exchange admin groups defined for the domain specified in the Domain parameter.

Syntax

```
Get-DRAExchangeAdminGroups -Domain <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Get-DRAExchangeAdminGroups cmdlet queries the DRA Server for the list of Exchange administrator groups defined in the specified domain.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Properties <Hashtable></p> <p>A Hashtable of property values. The key is the name of a defined property in the REST interface. For example: <code>-Properties @{Description="my description";Location="Houston"}</code></p> <p>Multiple values are specified as a comma-separated list.</p> <p>For example: <code>-Properties @{otherTelephones="555-1212", "123-4567"}</code></p> <p>If the property name contains non-alphanumeric characters it needs to be quoted.</p> <p>For example: <code>-Properties @"VA-DRA-VirtualAttribute=42"</code></p> <p>If the property value contains a quote it needs to be escaped with a backtick (`).</p> <p>For example: <code>-Properties @{Description="my `test` description"}</code></p>	true	named		true (ByPropertyName)	false
<p>Identifier <String></p> <p>The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.</p>	true	named		true (ByPropertyName)	false
<p>Domain <String></p> <p>The domain of the object in fqdn format. For example: <code>mydomain.corp</code></p>	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>DRAHostServer</i> [<String>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRAHostPort</i> [<Int32>] The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.	false	named	11192	true (ByPropertyName)	false
<i>DRARestServer</i> [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRARESTPort</i> [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
<i>IgnoreCertificateErrors</i> [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
<i>Force</i> [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Timeout [<i><Int32></i>]	false	named	100 seconds	true (ByPropertyName)	false
<p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p> <p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					
<p>NOTE: For more information, type "Get-Help Get-DRAExchangeAdminGroups -detailed". For technical information, type "Get-Help Get-DRAExchangeAdminGroups -full".</p>					

Example 14-1 1

```
PS C:\>Get-DRAExchangeAdminGroups -Domain MyDomain.corp
```

This example queries the DRA Server for a list of Exchange admin groups for the named domain. The response will contain an array of objects. Each object will contain various forms of the admin group name, such as the distinguished name and the LDAP path.

Get-DRAExchangeAliasName

Synopsis

Requests that the DRA Server generate an Exchange name alias based on the configured alias naming policy.

Syntax

```
Get-DRAExchangeAliasName -Domain <String> [-FirstName <String>] [-Initials <String>] [-LastName <String>] [-SamAccountName <String>] [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Get-DRAExchangeAliasName cmdlet returns an Exchange name alias. The alias is applied to the mailNickname property of a user or contact. You must supply each of the properties named in the configured policy. If no policy is configured, supply the samAccountName property. The response contains the string generated by the server.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Domain <String> The domain of the object in fqdn format. For example: mydomain.corp	true	named		true (ByPropertyName)	false
FirstName [<String>] Specifies the FirstName of the User or GivenName of the contact for which you want to generate the Exchange name.	false	named		true (ByPropertyName)	false
Initials [<String>] Specifies the Initials property of the User or Contact for which you want to generate the Exchange name.	false	named		true (ByPropertyName)	false
LastName [<String>] Specifies the last name property of the User or Contact for which you want to generate the Exchange name.	false	named		true (ByPropertyName)	false
SamAccountName [<String>] Specifies the samAccountName property of the User for which you want to generate the Exchange name.	false	named		true (ByPropertyName)	false
DRAHostServer [<String>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRAHostPort</i> [<i><Int32></i>]</p> <p>The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARESTPort</i> [<i><Int32></i>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<i><Int32></i>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters>					
Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					
NOTE: For more information, type "Get-Help Get-DRAExchangeAliasName -detailed". For technical information, type "Get-Help Get-DRAExchangeAliasName -full".					

Example 14-2 1

```
PS C:\>Get-DRAExchangeAliasName -Domain MyDomain.corp -FirstName "George"
-LastName "Smith" -Initials "GXS" -SamAccountName "SmithG"
```

This example requests the Exchange name alias of the user named George in MyDomain.corp specifying all possible parameters. The results will contain the Exchange name alias generated by the DRA Server.

Get-DRAExchangeConfiguration

Synopsis

Gets information about the Exchange configuration in the specified domain.

Syntax

```
Get-DRAExchangeConfiguration -Domain <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Get-DRAExchangeConfiguration cmdlet queries the DRA Server for information about the Exchange environments in the domain specified by the Domain parameter.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Domain <String></p> <p>The domain of the object in fqdn format. For example: mydomain.corp</p>	true	named		true (ByPropertyName)	false
<p>DRAHostServer [<String>]</p> <p>The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p>DRAHostPort [<Int32>]</p> <p>The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p>DRARestServer [<String>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p>DRARestPort [<Int32>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p>IgnoreCertificateErrors [<SwitchParameter>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>Force</i> [<i><SwitchParameter></i>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
<i>Timeout</i> [<i><Int32></i>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					

NOTE: For more information, type "Get-Help Get-DRAExchangeConfiguration -detailed". For technical information, type "Get-Help Get-DRAExchangeConfiguration -full".

Example 14-3 1

```
PS C:\>Get-DRAExchangeConfiguration -Domain MyDomain.corp
```

This example queries the DRA Server for the Exchange configuration in the named domain. The response will contain properties that describe such things as which Exchange versions exist and which policies are enabled. Defined naming conventions are also returned.

Get-DRAExchangeMailboxPermissions

Synopsis

Retrieves the NT or Exchange security permissions of a user's mailbox.

Syntax

```
Get-DRAExchangeMailboxPermissions -Domain <String> [-IsNTSecurity <SwitchParameter>] [-Attributes <String[]>] [-PowersForOperations <String[]>] [-VisiblePropertiesOnly <SwitchParameter>] -Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Get-DRAExchangeMailboxPermissions cmdlet returns the NT or Exchange security permissions of the requested user account managed by DRA. The requesting user must have the View All Group Properties power.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>IsNTSecurity</i> [<SwitchParameter>] Specifies that the NT Security permissions on the mailbox should be returned. If the parameter is not specified, the Exchange security permissions will be returned.	false	named		false	false
<i>Attributes</i> [<String[]>] An array of attributes to retrieve values for. If this parameter is missing, a default list of properties is returned.	false	named		true (ByPropertyName)	false
<i>PowersForOperations</i> [<String[]>] An array of DRA operation names for which you want the server to return read/write permission information. This parameter is typically used by a UI-based client to hide or disable elements the calling user doesn't have powers for.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>VisiblePropertiesOnly</i> [<SwitchParameter>] A flag to indicate whether DRA should return only properties the caller has powers to view. By default, DRA will return an error if the caller requests a property that they do not have powers to view. By specifying this flag, DRA is instructed to not return an error and instead just not return a value for such properties.	false	named		false	false
<i>Identifier</i> <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
<i>Domain</i> <String> The domain of the object in fqdn format. For example: mydomain.corp	true	named		true (ByPropertyName)	false
<i>DRAHostServer</i> [<String>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRAHostPort</i> [<Int32>] The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.	false	named	11192	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>DRARestServer</i> [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRARestPort</i> [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
<i>IgnoreCertificateErrors</i> [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
<i>Force</i> [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
<i>Timeout</i> [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters>					
Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					
NOTE: For more information, type "Get-Help Get-DRAExchangeMailboxPermissions -detailed". For technical information, type "Get-Help Get-DRAExchangeMailboxPermissions -full".					

Example 14-4 1

```
PS C:\>Get-DRAExchangeMailboxPermissions -Domain MyDomain.corp -
Identifier "CN=USER123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example requests the Exchange mailbox permissions of the user named USER123 in MyDomain.corp. The identifier contains the distinguished name for the user.

Get-DRAExchangeServers

Synopsis

Gets the list of Exchange servers for the domain.

Syntax

```
Get-DRAExchangeServers -Domain <String> [-DRAHostServer <String>] [-
DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Get-DRAExchangeServers queries the DRA Server for the list of Exchange servers in the specified domain.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Domain <String></p> <p>The domain of the object in fqdn format. For example: mydomain.corp</p>	true	named		true (ByPropertyName)	false
<p>DRAHostServer [<String>]</p> <p>The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p>DRAHostPort [<Int32>]</p> <p>The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p>DRARestServer [<String>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p>DRARESTPort [<Int32>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p>IgnoreCertificateErrors [<SwitchParameter>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Force [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p>Timeout [<i><Int32></i>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	true (ByPropertyName)	false
<p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					
<p>NOTE: For more information, type "Get-Help Get-DRAExchangeServers -detailed". For technical information, type "Get-Help Get-DRAExchangeServers -full".</p>					

Example 14-5 1

```
PS C:\>Get-DRAExchangeServers -Domain MyDomain.corp
```

This example queries the DRA Server for a list of Exchange servers for the named domain.

Get-DRAExchangeStores

Synopsis

Gets the list of mailbox stores defined on the specified Exchange server.

Syntax

```
Get-DRAExchangeStores -Domain <String> -ExchangeServerLdapPath <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Get-DRAExchangeStores cmdlet queries the DRA Server for the list of mailbox stores defined on the Exchange server specified by the ExchangeServerLdapPath parameter. The command Get-DRAExchangeStores may be used to retrieve the list of mail box stores which includes the full LDAP path. This LDAP path can be used for ExchangeServerLdapPath.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Properties <Hashtable>	true	named		true (ByPropertyName)	false
A Hashtable of property values. The key is the name of a defined property in the REST interface. For example: -Properties @{"Description="my description";Location="Houston"}					
Multiple values are specified as a comma-separated list. For example: -Properties @{"otherTelephones="555-1212", "123-4567"}					
If the property name contains non-alphanumeric characters it needs to be quoted. For example: -Properties @{"VA-DRA-VirtualAttribute"=42}					
If the property value contains a quote it needs to be escaped with a backtick (`). For example: -Properties @{"Description="my `test` description"}					

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: mydomain.corp	true	named		true (ByPropertyName)	false
DRAHostServer [<String>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRAHostPort [<Int32>] The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.	false	named	11192	true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARESTPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>IgnoreCertificateErrors</i> [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
<i>Force</i> [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
<i>Timeout</i> [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					

NOTE: For more information, type "Get-Help Get-DRAExchangeStores -detailed". For technical information, type "Get-Help Get-DRAExchangeStores -full".

Example 14-6 1

```
PS C:\>Get-DRAExchangeStores -Domain MyDomain.corp -ExchangeServerLdapPath
LDAP://MDOMAIN.CORP/CN=etc
```

This example queries the DRA Server for a list of Exchange mailbox stores for the named domain. The response will contain an array of objects. Each object will contain properties of the mailbox store, such as the distinguished name and the full LDAP path.

Set-DRAExchangeMailboxPermissions

Synopsis

Sets the NT or Exchange security permissions of a user's mailbox.

Syntax

```
Set-DRAExchangeMailboxPermissions -Domain <String> [-IsNTSecurity <SwitchParameter>] [-PreWindows2000Name <String>] [-Allow <String[]>] [-Deny <String[]>] [-Undo <String[]>] -Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Set-DRAExchangeMailboxPermissions cmdlet sets the NT or Exchange security permissions on the specified user account managed in DRA. The requesting user must have the View All Group Properties power.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>IsNTSecurity</i> [<SwitchParameter>] Specifies that the NT Security permissions on the mailbox should be returned. If the parameter is not specified, the Exchange security permissions will be returned.	false	named		false	false
<i>PreWindows2000Name</i> [<String>] The pre-Windows 2000 name of the trustee to grant permissions to.	false	named		false	false
<i>Allow</i> [<String[]>] Array of permission names the trustee will be granted Allow access for.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>Deny</i> [<String[]>]</p> <p>Array of permission names the trustee will be given Deny access for.</p>	false	named		false	false
<p><i>Undo</i> [<String[]>]</p> <p>Array of permission names to remove for the trustee.</p>	false	named		false	false
<p><i>Identifier</i> <String></p> <p>The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.</p>	true	named		true (ByPropertyName)	false
<p><i>Domain</i> <String></p> <p>The domain of the object in fqdn format. For example: mydomain.corp</p>	true	named		true (ByPropertyName)	false
<p><i>DRAHostServer</i> [<String>]</p> <p>The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRAHostPort</i> [<Int32>]</p> <p>The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<String>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<i><Int32></i>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	true (ByPropertyName)	false
<p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					
<p>NOTE: For more information, type "Get-Help Set-DRAExchangeMailboxPermissions -detailed". For technical information, type "Get-Help Set-DRAExchangeMailboxPermissions -full".</p>					

Example 14-7 1

```
PS C:\>Set-DRAExchangeMailboxPermissions -Domain MyDomain.corp -Identifier
"CN=USER123,OU=Accounting,DC=MyDomain,DC=corp" -PreWindows2000Name
"MyDomain\User18B" -Allow "ntSendAs" -Deny "ntReceiveAs" -IsNTSecurity
```

This example sets the Exchange mailbox permissions of the user named USER123 in MyDomain.corp. The identifier contains the distinguished name for the user. User18B is allowed the ntSendAs permission and denied the ntReceiveAs permission.

Possible values for Allow or Deny Exchange permissions are: ExDelStor, ExCPerms, ExFullControl, ExAssocX, ExRPerms, ExTakeOwn. Possible values for Allow or Deny NT permissions are: ntSendAs, ntReceiveAs. You must specify the -IsNTSecurity flag with these.

Example 14-8 2

```
PS C:\>Set-DRAExchangeMailboxPermissions -Domain MyDomain.corp -Identifier
"CN=USER123,OU=Accounting,DC=MyDomain,DC=corp" -PreWindows2000Name
"MyDomain\User18" -Allow "ExRPerms" -Deny "ExAssocX"
```

This example sets the Exchange mailbox permissions of the user named USER123 in MyDomain.corp. The identifier contains the distinguished name for the user. User18 is allowed read permission and denied an associated external account.

Possible values for Allow or Deny Exchange permissions are: ExDelStor, ExCPerms, ExFullControl, ExAssocX, ExRPerms, ExTakeOwn.

Possible values for Allow or Deny NT permissions are: ntSendAs, ntReceiveAs. You must specify the -IsNTSecurity flag with these.

Set-DRAMailboxFolderPermissions

Synopsis

Sets folder-level permissions for a user in mailboxes

Syntax

```
Set-DRAMailboxFolderPermissions -Domain <String> [-PreWindows2000Name
<String>] [-Allow <String[]>] [-Deny <String[]>] [-Undo <String[]>] -
Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Set-DRAMailboxFolderPermissions cmdlet sets the folder-level permissions on the specified user account managed in DRA. The requesting user must have the Modify All Mailbox Rights power.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>PreWindows2000Name</i> <String> The pre-Windows 2000 name of the trustee to grant permissions to.	false	named		false	false
<i>Allow</i> <String[]> Array of permission names the trustee will be granted 'Allow access' for.	false	named		false	false
<i>Deny</i> <String[]> Array of permission names the trustee will be given 'Deny access' for.	false	named		false	false
<i>Undo</i> <String[]> Array of permission names to remove for the trustee.	false	named		false	false
<i>Identifier</i> <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
<i>Domain</i> <String> The domain of the object in fqdn format. For example: mydomain.corp	true	named		true (ByPropertyName)	false
<i>DRAHostServer</i> <String> The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRAHostPort</i> [<Int32>]</p> <p>The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<String>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARestPort</i> [<Int32>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<SwitchParameter>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<SwitchParameter>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<Int32>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	true (ByPropertyName)	true

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?

<CommonParameters>

Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see [About CommonParameters \(http://go.microsoft.com/fwlink/?LinkID=113216\)](http://go.microsoft.com/fwlink/?LinkID=113216).

NOTE: For more information, type "Get-Help Set-DRAMailboxFolderPermissions -detailed". For technical information, type "Get-Help Set-DRAMailboxFolderPermissions -full".

Example 14-9 1

```
PS C:\>Set-DRAMailboxFolderPermissions -Domain MyDomain.corp -Identifier
"CN=ShardMailbox123,OU=Accounting,DC=MyDomain,DC=corp" -PreWindows2000Name
"MyDomain\User18" -Allow "CreateItems","CreateSubfolders" -Deny
>DeleteAllItems"
```

This example sets the mailbox folder permissions of the user named ShardMailbox123 in MyDomain.corp. The identifier contains the distinguished name of the user. User18 is allowed to create items and subfolders and is prevented from deleting all items in the folder.

Possible values for Allow or Deny folder permissions are: CreateItems, CreateSubfolders, DeleteAllItems, DeleteOwnedItems, EditAllItems, EditOwnedItems, FolderContact, FolderOwner, FolderVisible, and ReadItems.

15 Find Commands

This section contains cmdlets you can execute for domains, servers, and domain objects.

Find-DRAObjects

Synopsis

Searches for DRA objects on the specified DRA Server.

Syntax

```
Find-DRAObjects [-ComputerAndFilter <Hashtable>] [-ComputerOrFilter <Hashtable>] [-ContactAndFilter <Hashtable>] [-ContactOrFilter <Hashtable>] [-DomainAndFilter <Hashtable>] [-DomainOrFilter <Hashtable>] [-DynamicDistributionGroupAndFilter <Hashtable>] [-DynamicDistributionGroupOrFilter <Hashtable>] [-EquipmentMailboxOrFilter <Hashtable>] [-GroupAndFilter <Hashtable>] [-GroupOrFilter <Hashtable>] [-OUAndFilter <Hashtable>] [-OUOrFilter <Hashtable>] [-RoomMailboxOrFilter <Hashtable>] [-UserAndFilter <Hashtable>] [-UserOrFilter <Hashtable>] [-ContainerAndFilter <Hashtable>] [-ContainerOrFilter <Hashtable>] [-BuiltinContainerAndFilter <Hashtable>] [-BuiltinContainerOrFilter <Hashtable>] [-ManagedContainersOnly <SwitchParameter>] [-ContainerDN <String>] [-EnforceServerLimit <SwitchParameter>] [-IncludeChildContainers <SwitchParameter>] [-ObjectsPerResponse <Int32>] [-ResumeString <String>] [-Attributes <String[]>] [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [  
<CommonParameters>]
```

Description

Find-DRAObjects asks the specified DRA Server to search for objects that match the specified filters. The server will return objects for which the requesting user has specific object properties viewing powers. You can specify criteria to search for computers, contacts, domains, dynamic distribution groups, equipment resource mailboxes, groups, OUs, room resource mailboxes, and users. You can use Or filters to search for multiple object types. All of the object filters use the same format: a Hashtable of property values to match.

For example, the following filter will find users whose Name begins with "Sm" or whose Location is "Houston":

```
-UserOrFilter @{Name="Sm* ";Location="Houston" }
```

Wildcard options for filter values are:

- * Matches an unlimited number of characters
- ? Matches one non-numeric character

Matches one alphabetic character

Multiple match strings can be specified for an attribute by separating them with the | character. For example, the following will match users whose City attribute begins with H or P:

```
-UserOrFilter @{ City="H*|P*" }
```

To search for the literal | character you need to escape it with a backslash. For example, the following filter will find all users that have a | in their Description:

```
-UserOrFilter @{ Description="*\|*" }
```

You can specify the ContainerDN parameter to control where DRA searches. Specify that the search should include objects in child containers by specifying the IncludeChildContainers parameter. See parameter explanations in detailed help for more information.

You can also specify parameters that control the content in the response, such as the number of items to return and where to resume the search results if multiple requests are needed to retrieve all of the search results. See the examples in the help for more information.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
ComputerAndFilter [<Hashtable>] The computer properties to use for searching computer objects. The properties will be combined for the search. Computers matching all listed properties will be returned.	false	named		true (ByPropertyName)	false
ComputerOrFilter [<Hashtable>] The computer properties to use for searching computer objects. Computers matching any of the listed properties will be returned.	false	named		true (ByPropertyName)	false
ContactAndFilter [<Hashtable>] The contact properties to use for searching contact objects. The properties will be combined for the search. Contacts matching all listed properties will be returned.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>ContactOrFilter [<Hashtable>]</p> <p>The contact properties to use for searching contact objects. Contacts matching any of the listed properties will be returned.</p>	false	named		true (ByPropertyName)	false
<p>DomainAndFilter [<Hashtable>]</p> <p>The domain properties to use for searching domain objects. The properties will be combined for the search. Domains matching all listed properties will be returned.</p>	false	named		true (ByPropertyName)	false
<p>DomainOrFilter [<Hashtable>]</p> <p>The domain properties to use for searching domain objects. Domains matching any of the listed properties will be returned.</p>	false	named		true (ByPropertyName)	false
<p>DynamicDistributionGroupAndFilter [<Hashtable>]</p> <p>The dynamic distribution group properties to use when searching for dynamic distribution groups. The properties will be combined for the search. Dynamic distribution groups matching all listed properties will be returned.</p>	true	named		true (ByPropertyName)	false
<p>DynamicDistributionGroupOrFilter [<Hashtable>]</p> <p>The dynamic distribution group properties to use when searching for domain objects. Dynamic distribution groups matching any of the listed properties will be returned.</p>	false	named		true (ByPropertyName)	false
<p>EquipmentMailboxOrFilter [<Hashtable>]</p> <p>The equipment resource mailbox properties to use when searching. Resource mailboxes matching any of the listed properties will be returned.</p>	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>GroupAndFilter</i> [<Hashtable>] The group properties to use when searching for group objects. The properties will be combined for the search. Groups matching all listed properties will be returned.	false	named		true (ByPropertyName)	false
<i>GroupOrFilter</i> [<Hashtable>] The group properties to use when searching for group objects. Groups matching any of the listed properties will be returned.	false	named		true (ByPropertyName)	false
<i>OUAndFilter</i> [<Hashtable>] The OU properties to use when searching for OUs. The properties will be combined for the search. OUs matching all listed properties will be returned.	false	named		true (ByPropertyName)	false
<i>OUOrFilter</i> [<Hashtable>] The OU properties to use when searching for OUs. OUs matching any of the listed properties will be returned.	false	named		true (ByPropertyName)	false
<i>RoomMailboxOrFilter</i> [<Hashtable>] The room resource mailbox properties to use when searching for resource mailboxes. Resource mailboxes matching any of the listed properties will be returned.	false	named		true (ByPropertyName)	false
<i>UserAndFilter</i> [<Hashtable>] The user properties to use when searching for user objects. The properties will be combined for the search. Users matching all listed properties will be returned.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>UserOrFilter</i> [<Hashtable>]</p> <p>The user properties to use when searching for user objects. Users matching any of the listed properties will be returned.</p>	false	named		true (ByPropertyName)	false
<p><i>ContainerAndFilter</i> [<Hashtable>]</p> <p>The match strings to use when for searching for container objects. Containers matching all of the listed properties will be returned.</p>	false	named		true (ByPropertyName)	false
<p><i>BuiltinContainerAndFilter</i> [<Hashtable>]</p> <p>The match strings to use when searching for builtin container objects. The properties will be combined for the search. Only builtin containers matching all listed properties will be returned.</p>	false	named		true (ByPropertyName)	false
<p><i>BuiltinContainerOrFilter</i> [<Hashtable>]</p> <p>The match strings to use when for searching for builtin containers. Builtin containers matching any of the listed properties will be returned.</p>	false	named		true (ByPropertyName)	false
<p><i>ManagedContainersOnly</i> [<SwitchParameter>]</p> <p>A switch parameter to limit the search to containers managed by DRA. The default is to search all containers specified by the ContainerDN parameter. If all containers in the path are managed by DRA, then this parameter will have no effect.</p>	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>ContainerDN [<i><String></i>]</p> <p>The full path to the container to search in distinguished name format. For example: - ContainerDN "OU=Accounting,DC=MyDomain,DC=corp".</p>	false	named		false	false
<p>EnforceServerLimit [<i><SwitchParameter></i>]</p> <p>A switch parameter to indicate that the search results should be limited by the search result limit on the DRA Server. The typical server limit is 1000 items. The default is true.</p>	false	named		false	false
<p>IncludeChildContainers [<i><SwitchParameter></i>]</p> <p>A switch parameter to request that the search include child containers. The default is false: only the container named in the ContainerDN parameter is searched.</p>	false	named		false	false
<p>ObjectsPerResponse [<i><Nullable`1></i>]</p> <p>The number of objects to return in a response. The default is 250.</p>	false	named		false	false
<p>ResumeString [<i><String></i>]</p> <p>When multiple responses are needed to return all of the search results to the client, this parameter indicates the last item returned from the server. The value of this parameter would be set using the ResumeString property from the previous set of results. The ResumeString may look like this: "CN=MYUser160,CN=Users,DC=MyDomain,DC=corp" .</p>	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Attributes [<String[]>]</p> <p>An array of attributes to retrieve values for. If this parameter is missing, a default list of properties is returned.</p>	false	named		true (ByPropertyName)	false
<p>Domain <String></p> <p>The domain of the object in fqdn format. For example: mydomain.corp</p>	true	named		true (ByPropertyName)	false
<p>DRAHostServer [<String>]</p> <p>The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p>DRAHostPort [<Int32>]</p> <p>The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p>DRARestServer [<String>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p>DRARestPort [<Int32>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p>IgnoreCertificateErrors [<SwitchParameter>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>Force</i> [<i><SwitchParameter></i>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
<i>Timeout</i> [<i><Int32></i>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					

NOTE: For more information, type "Get-Help Find-DRAObjects -detailed". For technical information, type "Get-Help Find-DRAObjects -full".

Example 15-1 1

```
PS C:\>Find-DRAObjects -ContactOrFilter @{Location="HOU*"} -GroupOrFilter
@{Location="HOU*"} -OUOrFilter @{Location="HOU*"} -UserOrFilter
@{Location="HOU*"}
-ContainerDn "OU=Sales,DC=MyDomain,DC=corp" -IncludeChildContainers -
ObjectsPerResponse 50
```

In this example, DRA will search in the Sales OU and all child containers of that OU for Contacts, Groups, OUs, and Users having a Location attribute beginning with "HOU". The server should return a maximum of 50 items in the response.

Example 15-2 2

```
PS C:\>Find-DRAObjects -ComputerAndFilter @{Location="Houston-
9###";IsDisabled=$true;Department="Sales*"} -IncludeChildContainers
```

In this example, DRA will search in the Sales OU and all child containers of that OU for Contacts, Groups, OUs, and Users having a Location attribute beginning with "HOU". The server should return a maximum of 50 items in the response.

Example 15-3 3

```
PS C:\>Find-DRAObjects -UserAndFilter
@{Location="Houston";IsDisabled=$true} -ObjectsPerResponse 500 -
IncludeChildContainers -ResumeString "CN=Accounting-
DG,OU=Accounting,OU=Brasilia,OU=Parent Company,DC=MyDomain,DC=corp"
```

This example searches for disabled user accounts whose Location attribute equals 'Houston'. DRA will search in all managed containers since the ContainerDN parameter is not specified and IncludeChildContainers is present. The server will return 500 items in the result, and it will begin the results with the next item after the one listed in the ResumeString parameter. ResumeString is used when there are multiple pages of results to be returned. When more data is available, the results will contain the ResumeString property that can be used to request the next page of results. The response also contains a boolean value IsSearchFinished that indicates if there are more results available on the server.

Example 15-4 4

```
PS C:\>Find-DRAObjects -GroupOrFilter @{Location="Houston-
9###";Department="Sales*"}-ContainerDn "OU=Sales,DC=MyDomain,DC=corp" -
Attributes "DistinguishedName","DisplayName","Department"
```

In this example, DRA will search for groups having either Location beginning with 'Houston-9' and ending with 3 numeric digits, OR Department beginning with 'Sales'. DRA will search only in the Sales OU since the ContainerDN is specified and IncludeChildContainers is not. For each group matching the filter criteria, the server will return three attributes. The response will return a maximum of 250 items since the ObjectsPerResponse parameter is not specified.

Find-DRADeletedObjects

Synopsis

Searches for deleted DRA objects in the DRA Recycle Bin on the specified server.

Syntax

```
Find-DRADeletedObjects [-ComputerAndFilter <Hashtable>] [-ComputerOrFilter
<Hashtable>] [-ContactAndFilter <Hashtable>] [-ContactOrFilter
<Hashtable>] [-DynamicDistributionGroupAndFilter <Hashtable>] [-
DynamicDistributionGroupOrFilter <Hashtable>] [-EquipmentMailboxOrFilter
<Hashtable>] [-GroupAndFilter <Hashtable>] [-GroupOrFilter <Hashtable>] [-
RoomMailboxOrFilter <Hashtable>] [-UserAndFilter <Hashtable>] [-
UserOrFilter <Hashtable>] [-ContainerDN <String>] [-EnforceServerLimit
<SwitchParameter>] [-IncludeChildContainers <SwitchParameter>] [-
ObjectsPerResponse <Int32>] [-ResumeString <String>] [-Attributes
<String[]>] [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

Find-DRADeletedObjects asks the specified DRA Server to search for objects in the DRA recycle bins that match the specified filters. The server will return objects for which the requesting user has view object properties powers. For more information on the objects supported and using filters see the help for Find-DRAObjects. You can specify the ContainerDN parameter to search the Recycle Bin of a specific domain. If ContainerDN is not specified then all recycle bins are searched. You can also specify parameters that control the content in the response, such as the number of items to return and where to resume the search results if multiple requests are needed to retrieve all of the search results. See the examples in the help for more information.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>ComputerAndFilter</i> [<Hashtable>] The computer properties to use for searching computer objects. The properties will be combined for the search. Computers matching all listed properties will be returned.	false	named		true (ByPropertyName)	false
<i>ComputerOrFilter</i> [<Hashtable>] The computer properties to use for searching computer objects. Computers matching any of the listed properties will be returned.	false	named		true (ByPropertyName)	false
<i>ContactAndFilter</i> [<Hashtable>] The contact properties to use for searching contact objects. The properties will be combined for the search. Contacts matching all listed properties will be returned.	false	named		true (ByPropertyName)	false
<i>ContactOrFilter</i> [<Hashtable>] The contact properties to use for searching contact objects. Contacts matching any of the listed properties will be returned.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DynamicDistributionGroupAndFilter</i> [<i><Hashtable></i>]</p> <p>The dynamic distribution group properties to use when searching for dynamic distribution groups objects. The properties will be combined for the search. Dynamic distribution groups matching all listed properties will be returned.</p>	true	named		true (ByPropertyName)	false
<p><i>DynamicDistributionGroupOrFilter</i> [<i><Hashtable></i>]</p> <p>The dynamic distribution group properties to use when searching for domain objects. Dynamic distribution groups matching any of the listed properties will be returned.</p>	false	named		true (ByPropertyName)	false
<p><i>EquipmentMailboxOrFilter</i> [<i><Hashtable></i>]</p> <p>The equipment resource mailbox properties to use when searching. Resource mailboxes matching any of the listed properties will be returned.</p>	false	named		true (ByPropertyName)	false
<p><i>GroupAndFilter</i> [<i><Hashtable></i>]</p> <p>The group properties to use when searching for group objects. The properties will be combined for the search. Groups matching all listed properties will be returned.</p>	false	named		true (ByPropertyName)	false
<p><i>GroupOrFilter</i> [<i><Hashtable></i>]</p> <p>The group properties to use when searching for group objects. Groups matching any of the listed properties will be returned.</p>	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>RoomMailboxOrFilter</i> [<Hashtable>] The room resource mailbox properties to use when searching for resource mailboxes. Resource mailboxes matching any of the listed properties will be returned.	false	named		true (ByPropertyName)	false
<i>UserAndFilter</i> [<Hashtable>] The user properties to use when searching for user objects. The properties will be combined for the search. Users matching all listed properties will be returned.	false	named		true (ByPropertyName)	false
<i>UserOrFilter</i> [<Hashtable>] The user properties to use when searching for user objects. Users matching any of the listed properties will be returned.	false	named		true (ByPropertyName)	false
<i>ContainerDN</i> [<String>] The full path to the container to search in distinguished name format. For example: - ContainerDN "OU=Accounting,DC=MyDomain,DC=corp".	false	named		false	false
<i>EnforceServerLimit</i> [<SwitchParameter>] A switch parameter to indicate that the search results should be limited by the search result limit on the DRA Server. The typical server limit is 1000 items. The default is true.	false	named		false	false
<i>IncludeChildContainers</i> [<SwitchParameter>] A switch parameter to request that the search include child containers. The default is false: only the container named in the ContainerDN parameter is searched.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>ObjectsPerResponse</i> [<code><Nullable`1></code>] The number of objects to return in a response. The default is 250.	false	named		false	false
<i>ResumeString</i> [<code><String></code>] When multiple responses are needed to return all of the search results to the client, this parameter indicates the last item returned from the server. The value of this parameter would be set using the ResumeString property from the previous set of results. The ResumeString may look like this: "CN=MYUser160,CN=Users,DC=MyDomain,DC=corp" .	false	named		false	false
<i>Attributes</i> [<code><String[]></code>] An array of attributes to retrieve values for. If this parameter is missing, a default list of properties is returned.	false	named		true (ByPropertyName)	false
<i>Domain</i> <code><String></code> The domain of the object in fqdn format. For example: mydomain.corp	true	named		true (ByPropertyName)	false
<i>DRAHostServer</i> [<code><String></code>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRAHostPort</i> [<code><Int32></code>] The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.	false	named	11192	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRARestServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<i><Int32></i>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?

<CommonParameters>

Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see [About CommonParameters \(http://go.microsoft.com/fwlink/?LinkID=113216\)](http://go.microsoft.com/fwlink/?LinkID=113216).

NOTE: For more information, type "Get-Help Find-DRADeletedObjects -detailed". For technical information, type "Get-Help Find-DRADeletedObjects -full".

Example 15-5 1

```
PS C:\>Find-DRADeletedObjects -UserAndFilter
@{Location="Houston";IsDisabled=$true} -ObjectsPerResponse 500 -
ResumeString "CN=Accounting-DG,OU=Accounting,OU=Brasilia,OU=Parent
Company,DC=MyDomain,DC=corp"
```

This example searches all recycle bins for disabled user accounts whose Location attribute equals 'Houston'. The server will return 500 items in the result and it will begin the results with the next item after the one listed in the ResumeString parameter. ResumeString is used when DRA finds more objects than what is specified in ObjectsPerResponse. When more data is available, the results will contain the ResumeString property that can be used to request the next page of results. The response also contains a boolean value IsSearchFinished that indicates if there are more results available on the server.

Example 15-6 2

```
PS C:\>Find-DRADeletedObjects -ContactOrFilter @{Location="HOU*"}-
GroupOrFilter @{Location="HOU*"} -ContainerDn "DC=MyDomain,DC=corp" -
ObjectsPerResponse 50
```

In this example, DRA will search the Recycle Bin for the domain MyDomain.corp for Contacts and Groups that have a Location attribute beginning with "HOU". The server should return a maximum of 50 items in the response.

Example 15-7 3

```
PS C:\>Find-DRADeletedObjects -ComputerAndFilter @{Location="Houston-
9###";IsDisabled=$true;Department="Sales*"} -
```

In this example, DRA will search for computers with the following attributes: Location begins with 'Houston-9' and ends with 3 numeric digits, computer is disabled, Department begins with 'Sales'. DRA will search in all recycle bins since the ContainerDN parameter is not specified. The response will return a maximum of 250 items since the ObjectsPerResponse parameter is not specified.

Example 15-8 4

```
PS C:\>Find-DRADeletedObjects -GroupOrFilter @{Location="Houston-9###";Department="Sales*"} -ContainerDn "DC=MyDomain,DC=corp" -Attributes "DistinguishedName","DisplayName","Department"
```

In this example, DRA will search for groups having either Location beginning with 'Houston-9' and ending with 3 numeric digits, OR Department beginning with 'Sales'. DRA will search only in the Recycle Bin for the MyDomain.corp domain. For each group matching the filter criteria, the server will return three attributes. The response will return a maximum of 250 items since the ObjectsPerResponse parameter is not specified.

Find-DRALDAPObjects

Synopsis

Performs an LDAP search for DRA objects in the specified container.

Syntax

```
Find-DRALDAPObjects -LDAPQuery <String> [-StartRow <Int32>] [-ContainerDN <String>] [-EnforceServerLimit <SwitchParameter>] [-IncludeChildContainers <SwitchParameter>] [-ObjectsPerResponse <Int32>] [-ResumeString <String>] [-Attributes <String[]>] [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]s
```

Description

Find-DRALDAPObjects asks the specified DRA Server to perform the LDAP query specified in the LDAPQuery parameter. The server will return objects on which the requesting user has view object properties powers.

Specify the ContainerDN parameter to control where the LDAP query searches. Specify that the search should include objects in child containers by specifying the IncludeChildContainers parameter. See parameter explanations in detailed help for more information.

You can also specify parameters that control the content in the response, such as the number of items to return and where to resume the search results if multiple requests are needed to retrieve all of the search results. See the examples in the help for more information.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>LDAPQuery <String></p> <p>The complete LDAP query string. You can specify any valid LDAP query string.</p>	true	named		false	false
<p>StartRow [<Int32>]</p> <p>When iterating multiple response pages from an LDAP command, the row number where the next set of response data should begin. The default is 0.</p>	false	named		false	false
<p>ContainerDN [<String>]</p> <p>The full path to the container to search in distinguished name format. For example: - ContainerDN "OU=Accounting,DC=MyDomain,DC=corp".</p>	false	named		false	false
<p>EnforceServerLimit [<SwitchParameter>]</p> <p>A switch parameter to indicate that the search results should be limited by the search result limit on the DRA Server. The typical server limit is 1000 items. The default is true.</p>	false	named		false	false
<p>IncludeChildContainers [<SwitchParameter>]</p> <p>A switch parameter to request that the search include child containers. The default is false. Only the container named in the ContainerDN parameter is searched.</p>	false	named		false	false
<p>ObjectsPerResponse [<Nullable`1>]</p> <p>The number of objects to return in a response. The default is 250.</p>	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>ResumeString [<String>]</p> <p>When multiple responses are needed to return all of the search results to the client, this parameter indicates the last item returned from the server. The value of this parameter would be set using the ResumeString property from the previous set of results. The ResumeString may look like this: "CN=MYUser160,CN=Users,DC=MyDomain,DC=corp".</p>	false	named		false	false
<p>Attributes [<String[]>]</p> <p>An array of attributes to retrieve values for. If this parameter is missing, a default list of properties is returned.</p>	false	named		true (ByPropertyName)	false
<p>DRAHostServer [<String>]</p> <p>The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p>DRAHostPort [<Int32>]</p> <p>The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p>DRARestServer [<String>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<i><Int32></i>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	true (ByPropertyName)	false
<p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					

NOTE: For more information, type "Get-Help Find-DRALDAPObjects -detailed". For technical information, type "Get-Help Find-DRALDAPObjects -full".

Example 15-9 1

```
PS C:\>Find-DRALDAPObjects -ContainerDn "OU=Sales,DC=MyDomain,DC=corp" -  
IncludeChildContainers -ObjectsPerResponse 50 -LDAPQuery  
"(&(objectClass=User)(!(email=*)))"
```

In this example, DRA will search in the Sales OU and all child containers of that OU. The LDAP query filters on Users not having an email attribute set. The server should return a maximum of 50 items in the response.

Example 15-10 2

```
PS C:\>Find-DRALDAPObjects -ContainerDn "OU=Sales,DC=MyDomain,DC=corp" -  
IncludeChildContainers -ObjectsPerResponse 50 -LDAPQuery  
"(&(objectClass=User)(!(email=*)))" -ResumeString "89b8c1c1-678f-11e4-  
8d77-0050568e0b4a" -StartRow 51
```

In this example, DRA will search in the Sales OU and all child containers of that OU. The LDAP query filters on Users not having an email attribute set. The server will return a maximum of 50 items in the response, and it will begin the results with row 51. ResumeString is used when there are multiple pages of results to be returned. When more data is available, the ResumeString property in the response will contain the string that can be used to request the next page of results. The client must track how many rows have been returned and set the StartRow parameter. The response also contains a boolean value IsSearchFinished that indicates if there are more results available on the server.

16 Group Commands

This section contains cmdlets you can execute for the Group object type.

Add-DRAAssistantAdminGroupMembers

Synopsis

Adds members to an Assistant Admin group.

Syntax

```
Add-DRAAssistantAdminGroupMembers -Identifier <String> [-Groups <String[]>] [-Users <String[]>] [-AssistantAdminGroups <String[]>] [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Add-DRAAssistantAdminGroupMembers cmdlet adds members to an Assistant Admin group. Members can be users, groups, or other Assistant Admin groups.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Identifier <String> The name of an existing Assistant Admin group to add members to.	true	named		true (ByPropertyName)	false
Groups [<String[]> List of distinguished name values for groups that will be added.	false	named		true (ByPropertyName)	false
Users [<String[]> List of distinguished name values for users who will be added.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>AssistantAdminGroups</i> [<String[]>] List of Assistant Admin groups, by group name, that will be added.	false	named		true (ByPropertyName)	false
<i>DRAHostServer</i> [<String>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRAHostPort</i> [<Int32>] The port number of the DRA Host Service. This parameter is only used when the DRAHostServer parameter is also specified. If the parameter is not specified, the value defaults to 11192.	false	named	11192	true (ByPropertyName)	false
<i>DRARestServer</i> [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRARestPort</i> [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
<i>IgnoreCertificateErrors</i> [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>Force</i> [<i><SwitchParameter></i>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
<i>Timeout</i> [<i><Int32></i>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					

NOTE: For more information, type "Get-Help Add-DRAAssistantAdminGroupMembers -detailed". For technical information, type "Get-Help Add-DRAAssistantAdminGroupMembers -full".

Example 16-1 1

```
PS C:\>Add-DRAAssistantAdminGroupMembers -Identifier "DRA Policy Admins" -
Groups "CN=MyGroup,OU=Accounting,DC=MYDOMAIN,DC=corp" -Users
"CN=MyUser,OU=Users,OU=ABC,OU=ABC-Parent,DC=MYDOMAIN,DC=corp"
```

This example adds the group "MyGroup" and the user "MyUser" to the "DRA Policy Admins" Assistant Admin group.

Add-DRAGroup

Synopsis

Adds a group object to an Active Directory domain.

Syntax

```
Add-DRAGroup -GroupScope <String> -GroupType <String> [-DynamicFilterIncludeChildren <SwitchParameter>] [-DynamicFilterLDAPQuery <String>] [-DynamicFilterRootContainer <String>] -Properties <Hashtable> -Domain <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Add-DRAGroup cmdlet adds a group object to a domain managed by DRA. The requesting user must have the Create Group power. You can create a traditional group where you add each member individually or you can create a dynamic group whose membership is determined by a filter. See the examples for more information. To see the complete list of available properties, perform a Get-Member command on the object returned from any DRAGroup command.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
GroupScope <String> Specifies the Active Directory scope of the group you are adding. Valid values are Domain local, Global, or Universal.	true	named		true (ByPropertyName)	false
GroupType <String> Specifies the Active Directory type of the group you are adding. Valid values are Distribution or Security.	true	named		true (ByPropertyName)	false
DynamicFilterIncludeChildren [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	true	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>DynamicFilterLDAPQuery</i> [<String>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperationException error that occurs when the REST Service is bound to a self-signed certificate.	true	named		false	false
<i>DynamicFilterRootContainer</i> [<String>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperationException error that occurs when the REST Service is bound to a self-signed certificate.	true	named		false	false
<i>Properties</i> <Hashtable> A Hashtable of property values. The key is the name of a defined property in the REST interface. For example: -Properties @{Description="my description";Location="Houston"} Multiple values are specified as a comma-separated list. For example: -Properties @{otherTelephones="555-1212","123-4567"} If the property name contains non-alphanumeric characters it needs to be quoted. For example: -Properties @{"VA-DRA-VirtualAttribute"=42} If the property value contains a quote it needs to be escaped with a backtick (`). For example: -Properties @{Description="my `test` description"}	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Identifier <String></p> <p>The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.</p>	true	named		true (ByPropertyName)	false
<p>Domain <String></p> <p>The domain of the object in fqdn format. For example: mydomain.corp</p>	true	named		true (ByPropertyName)	false
<p>DRAHostServer [<String>]</p> <p>The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p>DRAHostPort [<Int32>]</p> <p>The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p>DRARestServer [<String>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p>DRARESTPort [<Int32>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>IgnoreCertificateErrors</i> [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
<i>Force</i> [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
<i>Timeout</i> [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					

NOTE: For more information, type "Get-Help Add-DRAGroup -detailed". For technical information, type "Get-Help Add-DRAGroup -full".

Example 16-2 1

```
PS C:\>Add-DRAGroup -Domain MyDomain.corp -Properties
@{FriendlyParentPath="MyDomain.corp/
Accounting";Name="GROUPl23";Description="PS Desc
001";ManagedBy="CN=George,CN=Users,DC=MYDOMAIN,DC=corp";samAccountName="CO
MP123sam"} -GroupType "Distribution" -GroupScope "Universal"
```

This example creates the group GROUP123 in Active Directory using the Name and DRA FriendlyParentPath properties. The group will be created in the domain MyDomain.corp in the Accounting OU. There are three properties set on this group: Description, ManagedBy and samAccountName. The group will be a universal distribution group.

Example 16-3 2

```
PS C:\>Add-DRAGroup -Domain MyDomain.corp -Properties
@{FriendlyParentPath="MyDomain.corp/
Accounting";Name="GROUP123";Description="PS Desc
001";ManagedBy="CN=George,CN=Users,DC=MYDOMAIN,DC=corp";samAccountName="CO
MP123sam"} -GroupType "Distribution" -GroupScope "Universal"
```

This example creates the group GROUP123 in Active Directory using the Name and DRA FriendlyParentPath properties. The group will be created in the domain MyDomain.corp in the Accounting OU. There are three properties set on this group: Description, ManagedBy, and samAccountName. The group will be a universal distribution group.

Example 16-4 3

```
PS C:\>Add-DRAGroup -Domain MyDomain.corp -Properties
@{DistinguishedName="CN=GROUP123,OU=Accounting,DC=MyDomain,DC=corp";Descri
ption="Group for powershell"} -GroupType "Security" -GroupScope "Global"
```

This example creates a group named GROUP123 in Active Directory using the DRA DistinguishedName property. The group will be created in the domain MyDomain.corp in the Accounting OU. Description is the only property set on this group. The group will be a global security group.

Example 16-5 4

```
PS C:\>Add-DRAGroup -Domain MyDomain.corp -DynamicFilterRootContainer
"OU=OU01,DC=MyDom,DC=corp" -DynamicFilterLDAPQuery
"(&(objectClass=user)(objectCategory=person))" -
DynamicFilterIncludeChildren -Properties
@{distinguishedName="CN=GROUP123,OU=Accounting,DC=MyDomain,DC=corp";
WhiteList="CN=Add Me,OU=XXX,DC=MyDom,DC=corp", "CN=Add
Me2,OU=YYY,DC=MyDom,DC=corp"; BlackList="CN=Skip
Me,OU=OU01,DC=MyDom,DC=corp", "CN=SkipMe2,OU=OU01,DC=MyDom,DC=corp" }
```

This command creates a dynamic group by specifying the DynamicFilterLDAPQuery and DynamicFilterRootContainer parameters. DynamicFilterIncludeChildren indicates that the group includes objects from the DynamicFilterRootContainer and all of its children. Group members will also include the two accounts listed in the WhiteList property, even though the accounts do not match the filter criteria. The two BlackList accounts will be excluded from the group, even though they are users in the DynamicFilterRootContainer.

Example 16-6 5

```
PS C:\>Add-DRAGroup -Domain MyDomain.corp -
Properties@{FriendlyName="MyDomain.corp/Accounting/
GROUP123";Description="Group for
powershell";ManagedBy="CN=George,CN=Users,DC=MYDOMAIN,DC=corp"} -GroupType
"Security" -GroupScope "Domain local"
```

This example creates a group named GROUP123 in Active Directory using the DRA FriendlyName property. The group will be created in the domain MyDomain.corp in the Accounting OU. There are two properties set on this group: Description and ManagedBy. The group will be a domain local security group.

Add-DRAGroupMembers

Synopsis

Adds members to an existing Active Directory group managed by DRA.

Syntax

```
Add-DRAGroupMembers -Domain <String> [-Computers <String[]>] [-Contacts <String[]>] [-Groups <String[]>] [-Users <String[]>] -Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Add-DRAGroupMembers cmdlet adds objects to a group managed by DRA. The requesting user must have one of the Modify Group Membership powers. The command accepts arrays of identifiers for each of the supported object types that can be members of a group: Contacts, Computers, Groups, and Users. At least one identifier must be specified.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Computers [<i><String[]></i>] An array of existing Active Directory computer identifiers to add to or remove from the group. An identifier can be either a name or a distinguished name.	false	named		true (ByPropertyName)	false
Contacts [<i><String></i>] An array of existing Active Directory contact identifiers to add to or remove from the group. An identifier can be either a name or a distinguished name.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Groups [<String[]>] An array of existing Active Directory group identifiers to add to or remove from the group. An identifier can be either a name or a distinguished name.	false	named		true (ByPropertyName)	false
Users [<String[]>] An array of existing Active Directory user identifiers to add to or remove from the group. An identifier can be either a name or a distinguished name.	false	named		true (ByPropertyName)	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: mydomain.corp	true	named		true (ByPropertyName)	false
DRAHostServer [<String>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRAHostPort [<Int32>] The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.	false	named	11192	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRARestServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<i><Int32></i>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters>					
Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					
NOTE: For more information, type "Get-Help Add-DRAGroupMembers -detailed". For technical information, type "Get-Help Add-DRAGroupMembers -full".					

Example 16-7 1

```
PS C:\>Add-DRAGroupMembers -Identifier
"CN=MyGroup,OU=XYZ,DC=MYDOMAIN,DC=corp" -Domain "DRDOM610.lab"
-Contacts "MyDomain.corp/OU-A/OU-A1/Contact02CN"
-Computers "CN=TESTCREATE12,OU=XYZ-Child,OU=XYZ,DC=MYDOMAIN,DC=corp"
-Groups "CN=TestGroup06,OU=Accounting,DC=MYDOMAIN,DC=corp"
-Users "CN=User DN22,OU=Users,OU=ABC,OU=ABC-
Parent,DC=MYDOMAIN,DC=corp", "CN=UserFriendly01,OU=XYZ-
Child,OU=XYZ,DC=MYDOMAIN,DC=corp"
```

This example adds members to a group named MyGroup in Active Directory. Five members are listed: one each of Contacts, Computers, Groups, and two Users.

Copy-DRAGroup

Synopsis

Copies an existing group to a new group.

Syntax

```
Copy-DRAGroup -Domain <String> [-NoCopyMembers <SwitchParameter>] [-
RemoveDynamicFilter <SwitchParameter>] [-DynamicFilterIncludeChildren
<SwitchParameter>] [-DynamicFilterLDAPQuery <String>] [-
DynamicFilterRootContainer <String>] -Properties <Hashtable> -Identifier
<String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer
<String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Copy-DRAGroup cmdlet copies an existing group to a new group.

The values provided in the -Properties parameter will overwrite the values provided by the existing group. You must supply properties to give the new group a name and a location. See the help for the Add-DRAGroup cmdlet for examples of how to define the new group. The response contains the string generated by the server.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
NoCopyMembers [<SwitchParameter>] Specifies NOT to copy all members information from source group. If the parameter is not specified, the value false and the members will be copied.	false	named		false	false
RemoveDynamicFilter [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
DynamicFilterIncludeChildren [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
DynamicFilterLDAPQuery [<String>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>DynamicFilterVAQuery</i> [<String>] Specifies the virtual attribute query for dynamic group member filter. For example: (&(objectClass=User)(MyVA=*))	false	named		false	false
<i>DynamicFilterRootContainer</i> [<String>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
<i>Properties</i> <Hashtable> A Hashtable of property values. The key is the name of a defined property in the REST interface. For example: -Properties @{"Description="my description";Location="Houston"} Multiple values are specified as a comma-separated list. For example: -Properties @{"otherTelephones="555-1212","123-4567"} If the property name contains non-alphanumeric characters it needs to be quoted. For example: -Properties @{"VA-DRA-VirtualAttribute"=42} If the property value contains a quote it needs to be escaped with a backtick (`). For example: -Properties @{"Description="my `test` description"}	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Identifier <String></p> <p>The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.</p>	true	named		true (ByPropertyName)	false
<p>Domain <String></p> <p>The domain of the object in fqdn format. For example: mydomain.corp</p>	true	named		true (ByPropertyName)	false
<p>DRAHostServer [<String>]</p> <p>The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p>DRAHostPort [<Int32>]</p> <p>The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p>DRARestServer [<String>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p>DRARESTPort [<Int32>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>IgnoreCertificateErrors</i> [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
<i>Force</i> [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
<i>Timeout</i> [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					
NOTE: For more information, type "Get-Help Copy-DRAGroup -detailed". For technical information, type "Get-Help Copy-DRAGroup -full".					

Example 16-8 1

```
PS C:\>Copy-DRAGroup -Identifier "Groupsource" -Domain MyDomain.corp -
DynamicFilterRootContainer "OU=OU01,DC=MyDom,DC=corp" -
DynamicFilterLDAPQuery "&(objectClass=user)(objectCategory=person)" -
DynamicFilterIncludeChildren
-Properties
@{distinguishedName="CN=GROUP123,OU=Accounting,DC=MyDomain,DC=corp";
WhiteList="CN=Add Me,OU=XXX,DC=MyDom,DC=corp","CN=Add
Me2,OU=YYY,DC=MyDom,DC=corp"; BlackList="CN=Skip
Me,OU=OU01,DC=MyDom,DC=corp","CN=Skip Me2,OU=OU01,DC=MyDom,DC=corp" }
```

This command example copies a dynamic group by specifying the source Identifier and the DynamicFilterLDAPQuery and DynamicFilterRootContainer parameters. The distinguishedName will become the destination dynamic group name. DynamicFilterIncludeChildren indicates that the group includes objects from the DynamicFilterRootContainer and all of its children. Group members may also include the two accounts listed in the WhiteList property, even though the accounts do not match the filter criteria. The two BlackList accounts will be excluded from the group, even though they are users in the DynamicFilterRootContainer.

Example 16-9 2

```
PS C:\>Copy-DRAGroup -Identifier "Groupsource" -NoCopyMembers -Properties
@{distinguishedName="CN=Group123,OU=Tax,DC=MyDomain,DC=corp"} -domain
MyDomain.corp
```

This command example will copy the group named Groupsource to a new group named Group123 in the Tax OU in MyDomain.corp. The members of Groupsource will not be copied to Group123. Otherwise, the properties of Group123 will be the same as the properties of Groupsource.

Example 16-10 3

```
PS C:\>Copy-DRAGroup -Identifier
"CN=Groupsource,OU=Accounting,DC=MyDomain,DC=corp" -Properties
@{distinguishedName="CN=Group123,OU=Tax,DC=MyDomain,DC=corp"} -domain
MyDomain.corp
```

This command example will copy the group named Groupsource from the Accounting OU in MyDomain.corp to a new group named Group123 in the Tax OU in MyDomain.corp. The properties of Group123 will be the same as the properties of Groupsource.

Example 16-11 4

```
PS C:\>Copy-DRAGroup -Identifier
"CN=Groupsource,OU=Accounting,DC=MyDomain,DC=corp" -Properties
@{distinguishedName="CN=Group123,OU=Tax,DC=MyDomain,DC=corp";Description="
Tax group"} -domain MyDomain.corp
```

This command example will copy the group named Groupsource from the Accounting OU in MyDomain.corp to a new group named Group123 in the Tax OU in MyDomain.corp. The Description property for Group123 will be set to 'Tax group'.

Disable-DRAGroupEmail

Synopsis

Disables email for the group account specified by the Identifier parameter.

Syntax

```
Disable-DRAGroupEmail -Domain <String> -Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Disable-DRAGroupEmail cmdlet disables email on the account specified by the Identifier parameter. The requesting user must have the Delete Email for Group power.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: mydomain.corp	true	named		true (ByPropertyName)	false
DRAHostServer [<String>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRAHostPort</i> [<i><Int32></i>]</p> <p>The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<i><Int32></i>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters>					
Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					
NOTE: For more information, type "Get-Help Disable-DRAGroupEmail -detailed". For technical information, type "Get-Help Disable-DRAGroupEmail -full".					

Example 16-12 1

```
PS C:\>Disable-DRAGroupEmail -Domain MyDomain.corp -Identifier
"CN=GRP123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example disables email for the group named GRP123 in MyDomain.corp. The identifier contains the distinguished name for the account.

Enable-DRAGroupEmail

Synopsis

Enables email for the group account specified by the Identifier parameter.

Syntax

```
Enable-DRAGroupEmail -Domain <String> -ExchangeDN <String> -EmailAddress
<String> -Identifier <String> [-DRAHostServer <String>] [-DRAHostPort
<Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Enable-DRAGroupEmail cmdlet enables email for the specified group account. The requesting user must have the Enable Email for Group power.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>ExchangeDN</i> <String></p> <p>A Full path to the Exchange service. Use the <code>Get-DRAExchangeServers</code> command to obtain the list of Exchange servers managed through DRA.</p>	true	named		false	false
<p><i>EmailAddress</i><String></p> <p>The full email address for the account. For example: <code>MyUserName@mydomain.com</code>.</p>	true	named		false	false
<p><i>Identifier</i> <String></p> <p>The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.</p>	true	named		true (ByPropertyName)	false
<p><i>Domain</i> <String></p> <p>The domain of the object in fqdn format. For example: <code>mydomain.corp</code></p>	true	named		true (ByPropertyName)	false
<p><i>DRAHostServer</i> [<String>]</p> <p>The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRAHostPort</i> [<Int32>]</p> <p>The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>DRARestServer</i> [<i><String></i>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRARESTPort</i> [<i><Int32></i>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
<i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
<i>Force</i> [<i><SwitchParameter></i>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
<i>Timeout</i> [<i><Int32></i>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters>					
Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					
NOTE: For more information, type "Get-Help Enable-DRAGroupEmail -detailed". For technical information, type "Get-Help Enable-DRAGroupEmail -full".					

Example 16-13 1

```
PS C:\>Enable-DRAGroupEmail -Domain MyDomain.corp -Identifier
"CN=GRP123,OU=Accounting,DC=MyDomain,DC=corp" -ExchangeDN "/o=First/
ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/CN=Recipients/
CN=GRP123" -EmailAddress "GRP123@MyDomain.corp
```

This example enables email for the user named GRP123 in MyDomain.corp. The identifier contains the distinguished name for the group.

Get-DRAGroup

Synopsis

Gets information about an Active Directory group account.

Syntax

```
Get-DRAGroup -Domain <String> [-Attributes <String[]>] [-
PowersForOperations <String[]>] [-VisiblePropertiesOnly <SwitchParameter>]
-Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Get-DRAGroup cmdlet returns the properties of the requested group account managed by DRA. The requesting user must have the View All Group Properties power. You can view the default list of properties or specify specific properties. See the examples for information on how to view specific properties.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Attributes [<i><String[]></i>]</p> <p>An array of attributes to retrieve values for. If this parameter is missing, a default list of properties is returned.</p>	false	named		true (ByPropertyName)	false
<p>PowersForOperations [<i><String[]></i>]</p> <p>An array of DRA operation names for which you want the server to return read/write permission information. This parameter is typically used by a UI-based client to hide or disable elements the calling user doesn't have powers for.</p>	false	named		true (ByPropertyName)	false
<p>VisiblePropertiesOnly [<i><SwitchParameter></i>]</p> <p>A flag to indicate whether DRA should return only properties the caller has powers to view. By default DRA will return an error if the caller requests a property that they do not have powers to view. By specifying this flag DRA is instructed to not return an error and instead just not return a value for such properties.</p>	false	named		false	false
<p>Identifier <i><String></i></p> <p>The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.</p>	true	named		true (ByPropertyName)	false
<p>Domain <i><String></i></p> <p>The domain of the object in fqdn format. For example: mydomain.corp</p>	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRAHostServer</i> [<String>]</p> <p>The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRAHostPort</i> [<Int32>]</p> <p>The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<String>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARestPort</i> [<Int32>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<SwitchParameter>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<SwitchParameter>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Timeout [<i><Int32></i>]	false	named	100 seconds	true (ByPropertyName)	false
<p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p> <p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					

NOTE: For more information, type "Get-Help Get-DRAGroup -detailed". For technical information, type "Get-Help Get-DRAGroup -full".

Example 16-14 1

```
PS C:\>Get-DRAGroup -Domain MyDomain.corp -Identifier "CN=GROUP123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example requests the properties of the group named GROUP123 in MyDomain.corp. The identifier contains the distinguished name for the group.

Example 16-15 2

```
PS C:\>Get-DRAGroup -Domain MyDomain.corp -Identifier "GROUP123" -Attributes "Description","DisplayName","DistinguishedName","FriendlyPath","FriendlyParentPath","FriendlyName","SamAccountName"
```

This example requests the properties of the group named GROUP123 in MyDomain.corp. The Attributes parameter specifies what properties to return. When the Attributes parameter is not present, a default list of properties will be returned.

Example 16-16 3

```
PS C:\>Get-DRAGroup -Domain MyDomain.corp -Identifier "GROUP123"
```


This example requests the properties of the group named GROUP123 in MyDomain.corp. The identifier contains the name for the group. When the name is used, the REST endpoint will first ask the DRA Server for the distinguished name and then request the properties for that group.

Get-DRAGroupMembers

Synopsis

Retrieves the list of members for an Active Directory group.

Syntax

```
Get-DRAGroupMembers -Domain <String> -Identifier <String> [-ContainerDN
<String>] [-EnforceServerLimit <SwitchParameter>] [-IncludeChildContainers
<SwitchParameter>] [-ObjectsPerResponse <Int32>] [-ResumeString <String>]
[-Attributes <String[]>] [-DRAHostServer <String>] [-DRAHostPort <Int32>]
[-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Get-DRAGroupMembers cmdlet returns the members of the requested group account managed by DRA. The requesting user must have the View All Group Properties power. You can view the default list of properties or specify specific properties. You can also control the number of members returned in the results, and iterate result sets, if necessary. See the help examples for information on how to view specific properties and control the pages of results returned from the server. The response will also have the property TotalObjectCount which contains the total number of results available from the server. You can use this property to determine the total number of members in the group, and the number of result sets that will be needed to process all of the members.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>Identifier <String></i>	true	named		true (ByPropertyName)	false
The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.					

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Domain <String></p> <p>The domain of the object in fqdn format. For example: mydomain.corp</p>	true	named		true (ByPropertyName)	false
<p>ContainerDN [<String>]</p> <p>The full path to the container to search in distinguished name format.</p> <p>For example: -ContainerDN "OU=Accounting,DC=MyDomain,DC=corp"</p>	false	named		false	false
<p>EnforceServerLimit [<SwitchParameter>]</p> <p>A switch parameter to indicate that the search results should be limited by the search result limit on the DRA Server. The typical server limit is 1000 items. The default is true.</p>	false	named		false	false
<p>IncludeChildContainers [<SwitchParameter>]</p> <p>A switch parameter to request that the search include child containers. The default is false: only the container named in the ContainerDN parameter is searched.</p>	false	named		false	false
<p>ObjectsPerResponse [<Nullable`1>]</p> <p>The number of objects to return in a response. The default is 250.</p>	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>ResumeString [<i><String></i>]</p> <p>When multiple responses are needed to return all of the search results to the client, this parameter indicates the last item returned from the server. The value of this parameter would be set using the ResumeString property from the previous set of results. The ResumeString may look like this: "CN=MYUser160,CN=Users,DC=MyDomain,DC=corp".</p>	false	named		false	false
<p>Attributes [<i><String[]></i>]</p> <p>An array of attributes to retrieve values for. If this parameter is missing, a default list of properties is returned.</p>	false	named		true (ByPropertyName)	false
<p>DRAHostServer [<i><String></i>]</p> <p>The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p>DRAHostPort [<i><Int32></i>]</p> <p>The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p>DRARestServer [<i><String></i>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRARESTPort</i> [<Int32>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<SwitchParameter>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<SwitchParameter>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<Int32>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	false	false
<p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					
<p>NOTE: For more information, type "Get-Help Get-DRAGroupMembers -detailed". For technical information, type "Get-Help Get-DRAGroupMembers -full".</p>					

Example 16-17 1

```
PS C:\>Get-DRAGroupMembers -Domain MyDomain.corp -Identifier "GROUP123"
```

This example requests the members of the group named GROUP123 in MyDomain.corp. The identifier contains the name for the group. The rest server will first request the distinguished name for the group and then request the list of members. The results will contain a default list of properties.

Example 16-18 2

```
PS C:\>Get-DRAGroupMembers -Domain MyDomain.corp -Identifier  
"CN=GROUP123,OU=Sales,DC=MyDomain,DC=corp" -Attributes  
"DistinguishedName","FriendlyName"
```

This example requests the members of the group named GROUP123 in MyDomain.corp. Identifier contains the distinguished name for the group. The results will contain the properties DistinguishedName and FriendlyName for each member.

Example 16-19 3

```
PS C:\>Get-DRAGroupMembers -Domain MyDomain.corp -Identifier  
"CN=GROUP123,OU=Sales,DC=MyDomain,DC=corp" -Attributes  
"DistinguishedName","FriendlyName" -ObjectsPerResponse 500 -ResumeString  
"CN=Accounting-DG,OU=Accounting,OU=Brasilia,OU=Parent  
Company,DC=MyDomain,DC=corp"
```

This example requests the members of the group named GROUP123 in MyDomain.corp. Identifier contains the distinguished name for the group. The results will contain the properties DistinguishedName and FriendlyName for each member. The server will return 500 items in the result, and it will begin the results with the next item after the one listed in the ResumeString parameter. ResumeString is used when there are multiple pages of results to be returned. When more data is available, the results will contain the ResumeString property that can be used to request the next page of results.

Get-DRAGroupMembership

Synopsis

Retrieves the list of groups that contain the Active Directory object specified by the Identifier and IdentifierClass parameters.

Syntax

```
Get-DRAGroupMembership -Domain <String> -IdentifierClass <String> -  
Identifier <String> [-ContainerDN <String>] [-EnforceServerLimit  
<SwitchParameter>] [-IncludeChildContainers <SwitchParameter>] [-  
ObjectsPerResponse <Int32>] [-ResumeString <String>] [-Attributes  
<String[]>] [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-  
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors  
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]  
[<CommonParameters>]
```

Description

The Get-DRAGroupMembership cmdlet returns the groups that have the Identifier object as a member. The requesting user must have the View All Group Properties power. You can view the default list of properties or request specific properties. You can also control the number of groups returned in the results, and iterate result sets, if necessary. See the examples for information on how to view specific properties and how to control the pages of results returned from the server. The response will also have the property TotalObjectCount which contains the total number of groups having the Identifier object as a member.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>IdentifierClass</i> <String> Specifies the object type of Identifier. Valid values are: computer, contact, group, and user.	true	named		true (ByPropertyName)	false
<i>Identifier</i> <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
<i>Domain</i> <String> The domain of the object in fqdn format. For example: mydomain.corp	true	named		true (ByPropertyName)	false
<i>DRAHostServer</i> [<String>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRAHostPort</i> [<Int32>] The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.	false	named	11192	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRARestServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARESTPort</i> [<i><Int32></i>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<i><Int32></i>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?

<CommonParameters>

Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see [About CommonParameters \(http://go.microsoft.com/fwlink/?LinkID=113216\)](http://go.microsoft.com/fwlink/?LinkID=113216).

NOTE: For more information, type "Get-Help Get-DRAGroupMembership -detailed". For technical information, type "Get-Help Get-DRAGroupMembership -full".

Example 16-20 1

```
PS C:\>Get-DRAGroupMembership -Domain MyDomain.corp -Identifier
"CN=George,OU=IT13,DC=MyDomain,DC=corp" -IdentifierClass "user" -
Attributes "DistinguishedName","FriendlyName" -ObjectsPerResponse 500 -
ResumeString "CN=Accounting-DG,OU=Accounting,OU=Brasilia,OU=Parent
Company,DC=MyDomain,DC=corp"
```

This example requests the groups in MyDomain.corp having George as a member. Identifier contains the distinguished name for George. The results will contain the properties DistinguishedName and FriendlyName for each group. The server will return 500 items in the result, and it will begin the results with the next item after the one listed in the ResumeString parameter. ResumeString is used when there are multiple pages of results to be returned. When more data is available, the results will contain the ResumeString property that can be used to request the next page of results.

Example 16-21 2

```
PS C:\>Get-DRAGroupMembership -Domain MyDomain.corp -Identifier
"CN=George,OU=IT13,DC=MyDomain,DC=corp" -IdentifierClass "user" -
Attributes "DistinguishedName","FriendlyName"
```

This example requests the group membership of the user named George in MyDomain.corp. The identifier contains the distinguished name. The results will contain the properties DistinguishedName and FriendlyName for each group that has George as a member.

Example 16-22 3

```
PS C:\>Get-DRAGroupMembership -Domain MyDomain.corp -Identifier "George" -
IdentifierClass "user"
```


This example requests the list of groups containing the user George in MyDomain.corp. Identifier contains the name for the object. The rest server will first request the distinguished name for the object and then request the group membership. The results will contain a default list of properties.

Get-DRAGroupPermissions

Synopsis

Gets a list of trustee of the group.

Syntax

```
Get-DRAGroupPermissions -Domain <String> [-Attributes <String[]>] [-PowersForOperations <String[]>] [-VisiblePropertiesOnly <SwitchParameter>] [-Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Get-DRAGroupPermissions cmdlet gets a list of trustees for the group named in Identifier. Users must be in supported formats for the Identifier distinguished name.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>Attributes</i> [<String[]>] An array of attributes to retrieve values for. If this parameter is missing, a default list of properties is returned.	false	named		true (ByPropertyName)	false
<i>PowersForOperations</i> [<String[]>] An array of DRA operation names for which you want the server to return read/write permission information. This parameter is typically used by a UI-based client to hide or disable elements the calling user doesn't have powers for.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>VisiblePropertiesOnly</i> [<SwitchParameter>] A flag to indicate whether DRA should return only properties the caller has powers to view. By default DRA will return an error if the caller requests a property that they do not have powers to view. By specifying this flag DRA is instructed to not return an error and instead just not return a value for such properties.	false	named		false	false
<i>Identifier</i> <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
<i>Domain</i> <String> The domain of the object in fqdn format. For example: mydomain.corp	true	named		true (ByPropertyName)	false
<i>DRAHostServer</i> [<String>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRAHostPort</i> [<Int32>] The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.	false	named	11192	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRARestServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<i><Int32></i>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters>					
Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					
NOTE: For more information, type "Get-Help Get-DRAGroupPermissions -detailed". For technical information, type "Get-Help Get-DRAGroupPermissions -full".					

Example 16-23 1

```
PS C:\>Get-DRAGroupPermissions -Domain MyDomain.corp -Identifier
"CN=Group1,C=MyDomain,DC=corp"
```

This example get the trustees list of the group named Group1. The Identifier parameter contains the distinguished name for the group.

Move-DRAGroup

Synopsis

Moves a group from one location in Active Directory to another.

Syntax

```
Move-DRAGroup -Domain <String> -TargetContainer <String> -Identifier
<String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer
<String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Move-DRAGroup cmdlet moves the group named in Identifier to the OU named in the TargetContainer. The requesting user must have the Move Group to OU power on the TargetContainer. Supported formats for Identifier are friendly name and distinguished names.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>TargetContainer <String></p> <p>The full path to the destination container for the object you are moving, in distinguished name format. For example: - TargetContainer "OU=Accounting,DC=MyDomain,DC=corp".</p>	false	named		true (ByPropertyName)	false
<p>Identifier <String></p> <p>The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.</p>	true	named		true (ByPropertyName)	false
<p>Domain <String></p> <p>The domain of the object in fqdn format. For example: mydomain.corp</p>	true	named		true (ByPropertyName)	false
<p>DRAHostServer [<String>]</p> <p>The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p>DRAHostPort [<Int32>]</p> <p>The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p>DRARestServer [<String>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<i><Int32></i>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	true (ByPropertyName)	false
<p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					
<p>NOTE: For more information, type "Get-Help Move-DRAGroup -detailed". For technical information, type "Get-Help Move-DRAGroup -detailedfull".</p>					

Example 16-24 1

```
PS C:\>Move-DRAGroup -Domain MyDomain.corp -Identifier  
"CN=Engineering,OU=Accounting,DC=MyDomain,DC=corp" -TargetContainer  
"OU=NewParent,OU=AccountingHomeOffice,DC=MyDomain,DC=corp"
```

This example moves the group named Engineering from the Accounting container to the NewParent container. The identifier contains the distinguished name for the group.

Remove-DRAAssistantAdminGroupMembers

Synopsis

Removes members from an Assistant Admin group.

Syntax

```
Remove-DRAAssistantAdminGroupMembers -Identifier <String> -Members  
<String[]> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-  
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors  
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]  
[<CommonParameters>]
```

Description

The Remove-DRAAssistantAdminGroupMembers cmdlet removes members from an Assistant Admin group.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Identifier <String> The name of an existing Assistant Admin group to remove members from.	true	named		true (ByPropertyName)	false
Members <String[]> List of member names that will be removed.	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRAHostServer</i> [<String>]</p> <p>The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRAHostPort</i> [<Int32>]</p> <p>The port number of the DRA Host Service. This parameter is only used when the DRAHostServer parameter is also specified. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<String>]</p> <p>The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARestPort</i> [<Int32>]</p> <p>The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<SwitchParameter>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Force [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p>Timeout [<i><Int32></i>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	true (ByPropertyName)	false
<p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					

NOTE: For more information, type "Get-Help Remove-DRAAssistantAdminGroupMembers -detailed". For technical information, type "Get-Help Remove-DRAAssistantAdminGroupMembers -full".

Example 16-25 1

```
PS C:\>Remove-DRAAssistantAdminGroupMembers -Identifier "DRA Policy Admins" -Members "MyGroup", "MyUser", "MyChildAssistantAdminGroup"
```

This example removes MyGroup, MyUser, and MyChildAssistantAdminGroup from the "DRA Policy Admins" Assistant Admin group.

Remove-DRAGroup

Synopsis

Removes a group account from Active Directory.

Syntax

```
Remove-DRAGroup -Domain <String> -Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Remove-DRAGroup cmdlet deletes the requested group account. The requesting user must have one of the Delete Group powers. If the Recycle Bin is enabled, the group is moved to the Recycle Bin.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>Identifier</i> <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
<i>Domain</i> <String> The domain of the object in fqdn format. For example: mydomain.corp	true	named		true (ByPropertyName)	false
<i>DRAHostServer</i> [<String>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRAHostPort</i> [<Int32>] The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.	false	named	11192	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>DRARestServer</i> [<i><String></i>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRARESTPort</i> [<i><Int32></i>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
<i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
<i>Force</i> [<i><SwitchParameter></i>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
<i>Timeout</i> [<i><Int32></i>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters>					
Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					
NOTE: For more information, type "Get-Help Remove-DRAGroup -detailed". For technical information, type "Get-Help Remove-DRAGroup -full".					

Example 16-26 1

```
PS C:\>Remove-DRAGroup -Domain MyDomain.corp -Identifier
"CN=GROUP123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example deletes the group named GROUP123 from MyDomain.corp. The identifier contains the distinguished name for the group. If the Recycle Bin is enabled, the group is moved to the Recycle Bin. Otherwise, it is removed permanently.

Example 16-27 2

```
PS C:\>Remove-DRAGroup -Domain MyDomain.corp -Identifier
"CN=GROUP123,OU=NetIQRecycleBin,DC=MyDomain,DC=corp"
```

This example deletes the group named GROUP123 from the DRA Recycle Bin, removing it permanently from Active Directory.

Remove-DRAGroupMembers

Synopsis

Removes members from an existing Active Directory group managed by DRA.

Syntax

```
Remove-DRAGroupMembers -Domain <String> [-Computers <String[]>] [-Contacts
<String[]>] [-Groups <String[]>] [-Users <String[]>] -Identifier <String>
[-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>]
[-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-
Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Remove-DRAGroupMembers cmdlet removes objects from a group managed by DRA. The requesting user must have one of the Modify Group Membership powers. The command accepts arrays of identifiers for each of the supported object types that can be members of a group: Contacts, Computers, Groups, and Users. At least one identifier must be specified.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Computers [<String[]>] An array of existing Active Directory computer identifiers to add to or remove from the group. An identifier can be either a name or a distinguished name.	false	named		true (ByPropertyName)	false
Contacts [<String>] An array of existing Active Directory contact identifiers to add to or remove from the group. An identifier can be either a name or a distinguished name.	false	named		true (ByPropertyName)	false
Groups [<String[]>] An array of existing Active Directory group identifiers to add to or remove from the group. An identifier can be either a name or a distinguished name.	false	named		true (ByPropertyName)	false
Users [<String[]>] An array of existing Active Directory user identifiers to add to or remove from the group. An identifier can be either a name or a distinguished name.	false	named		true (ByPropertyName)	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Domain <String> The domain of the object in fqdn format. For example: mydomain.corp	true	named		true (ByPropertyName)	false
DRAHostServer [<String>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRAHostPort [<Int32>] The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.	false	named	11192	true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Force [<i><SwitchParameter></i>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<i><Int32></i>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					

NOTE: For more information, type "Get-Help Remove-DRAGroupMembers -detailed". For technical information, type "Get-Help Remove-DRAGroupMembers -full".

Example 16-28 1

```
PS C:\>Remove-DRAGroupMembers -Identifier
"CN=MyGroup,OU=XYZ;,DC=MYDOMAIN,DC=corp" -Domain "DRDOM610.lab"
-Contacts "MyDomain.corp/OU-A/OU-A1/Contact02CN"
-Computers "CN=TESTCREATE12,OU=XYZ-Child,OU=XYZ,DC=MYDOMAIN,DC=corp"
-Groups "CN=TestGroup06,OU=Accounting,DC=MYDOMAIN,DC=corp"
-Users "CN=User DN22,OU=Users,OU=ABC,OU=ABC-Parent,DC=MYDOMAIN,DC=corp",
"CN=UserFriendly01,OU=XYZ-Child,OU=XYZ,DC=MYDOMAIN,DC=corp"
```

This example removes members from a group named MyGroup in Active Directory. Five members are listed: one each of Contacts, Computers, and Groups, and two Users.

Restore-DRAGroup

Synopsis

Restores the specified group from the Recycle Bin.

Syntax

```
Restore-DRAGroup -Domain <String> [-DomainController <String>] [-RestoreToContainer <String>] -Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Restore-DRAGroup cmdlet will restore a previously deleted group from the Recycle Bin to its original container or to a new specified container. Supported formats for the identifier are friendly name and distinguished name. If the full path is specified, it must point to the Recycle Bin (NetIQRecycleBin).

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>DomainController</i> [<i><String></i>] The computer name of a specific domain controller to use for the request.	false	named		true (ByPropertyName)	false
<i>RestoreToContainer</i> [<i><String></i>] The distinguished name of the container to which you want to restore the object. If this parameter is not specified, DRA will attempt to restore the object to its original container.	false	named		true (ByPropertyName)	false
<i>Identifier</i> <i><String></i> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>Domain</i> <String> The domain of the object in fqdn format. For example: mydomain.corp	true	named		true (ByPropertyName)	false
<i>DRAHostServer</i> [<String>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRAHostPort</i> [<Int32>] The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.	false	named	11192	true (ByPropertyName)	false
<i>DRARestServer</i> [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRARestPort</i> [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
<i>IgnoreCertificateErrors</i> [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Force [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p>Timeout [<i><Int32></i>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	true (ByPropertyName)	false
<p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					
<p>NOTE: For more information, type "Get-Help Restore-DRAGroup -detailed". For technical information, type "Get-Help Restore-DRAGroup -full".</p>					

Example 16-29 1

```
PS C:\>Restore-DRAGroup -Identifier
"CN=MyGroup8,OU=NetIQRecycleBin,DC=MyDomain,DC=corp" -Domain MyDom.corp
```

This example will restore a group named MyGroup8 from the NetIQRecycleBin in MyDom.corp. It will be restored to the container from which it was deleted.

Example 16-30 2

```
PS C:\>Restore-DRAGroup -Identifier
"CN=MyGroup8,OU=NetIQRecycleBin,DC=MyDomain,DC=corp" -RestoreToContainer
"OU=TempCon,DC=MyDomain,DC=CORP" -domain MyDomain.corp
```

This example will restore a group named MyGroup8 from the NetIQRecycleBin in MyDomain.corp. It will be restored to the container named TempCon in MyDomain.corp.

Set-DRAGroup

Synopsis

Updates the properties of an existing group account in Active Directory.

Syntax

```
Set-DRAGroup -Domain <String> [-Properties <Hashtable>] [-  
RemoveDynamicFilter <SwitchParameter>] [-DynamicFilterIncludeChildren  
<SwitchParameter>] [-DynamicFilterLDAPQuery <String>] [-  
DynamicFilterVAQuery <String>] [-DynamicFilterRootContainer <String>] -  
Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-  
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors  
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]  
[<CommonParameters>]
```

Description

The Set-DRAGroup cmdlet updates the specified group account. The requesting user must have one of the Modify Group powers.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Properties <Hashtable></p> <p>A Hashtable of property values. The key is the name of a defined property in the REST interface. For example: <code>-Properties @{Description="my description";Location="Houston"}</code></p> <p>Multiple values are specified as a comma-separated list.</p> <p>For example: <code>-Properties @{otherTelephones="555-1212", "123-4567"}</code></p> <p>If the property name contains non-alphanumeric characters it needs to be quoted.</p> <p>For example: <code>-Properties @{"VA-DRA-VirtualAttribute"=42}</code></p> <p>If the property value contains a quote it needs to be escaped with a backtick (`).</p> <p>For example: <code>-Properties @{Description="my `test` description"}</code></p>	false	named		true (ByPropertyName)	false
<p>RemoveDynamicFilter [<SwitchParameter>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p>DynamicFilterIncludeChildren [<SwitchParameter>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>DynamicFilterLDAPQuery</i> [<String>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
<i>DynamicFilterVAQuery</i> [<String>] Specifies the virtual attribute query for dynamic group member filter. For example: (&(objectClass=User)(MyVA=*))	false	named		false	false
<i>DynamicFilterRootContainer</i> [<String>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
<i>Identifier</i> <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
<i>Domain</i> <String> The domain of the object in fqdn format. For example: mydomain.corp	true	named		true (ByPropertyName)	false
<i>DRAHostServer</i> [<String>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRAHostPort</i> [<i><Int32></i>]</p> <p>The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARESTPort</i> [<i><Int32></i>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<i><Int32></i>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters>					
Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					
NOTE: For more information, type "Get-Help Set-DRAGroup -detailed". For technical information, type "Get-Help Set-DRAGroup -full".					

Example 16-31 1

```
PS C:\>Set-DRAGroup -Domain MyDomain.corp -Identifier "GROUP123" -
Properties @{ManagedBy="CN=George,CN=Users,
DC=MYDOMAIN,DC=corp";Description="updated
description";HideFromAddressLists=$true}
```

This command example updates some of the properties for the group GROUP123 in MyDomain.corp. The Identifier specifies the name of the group. When the identifier format is the name, the REST endpoint will contact the DRA Server to resolve the name to the full distinguished name.

Example 16-32 2

```
PS C:\>Set-DRAGroup -Domain MyDomain.corp -Identifier
"CN=GROUP123,OU=Accounting,DC=MyDomain,DC=corp" -Properties
@{ManagedBy="CN=George,CN=Users,DC=MYDOMAIN,DC=corp";ReportToOriginator=$t
rue}
```

This example updates some of the properties for the group GROUP123 in MyDomain.corp. The identifier contains the distinguished name for the group. Two properties are updated: ManagedBy and ReportToOriginator. To see the complete list of available properties, perform a Get-Member command on the object returned from any DRAGroup command.

Set-DRAGroupPermissions

Synopsis

Set (add or remove) a trustee for a group.

Syntax

```
Set-DRAGroupPermissions -Domain <String> [-Users <String>] [-Groups <String>] -AccessMode <Int32> -Action <Int32> -Permission <Int32> -Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Set-DRAGroupPermissions cmdlet sets (adds or removes) a trustee for the group named in the Identifier parameter.

- ◆ Identifier: Supported formats for group Identifier in the distinguished name.
- ◆ Users: a list of users in distinguished name delimited by semicolons.
- ◆ AccessMode: 1 for GRANT ACCESS; 3 for DENY ACCESS.
- ◆ Action: 0 to add to group trustees list. 1 to remove from group trustees list.
- ◆ Permission: 16 READ ONLY; 32 WRITE ONLY; 48 READ and WRITE

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Users [<i><String></i>] An existing Active Directory user objects that should be added or removed from the group permissions. The user identifier can be in either the name or the distinguished name.	false	named		true (ByPropertyName)	false
Groups [<i><String></i>] An existing Active Directory user objects that should be added or removed from the group permissions. The user identifier can be in either the name or the distinguished name.	false	named		true (ByPropertyName)	false
AccessMode <i><Nullable`1></i> AccessMode: 1 for GRANT ACCESS; 3 for DENY ACCESS; 4 for GRANT AND DENY ACCESS.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Action <Nullable`1> Action: 0 add to group trustees list. 1 remove from group trustees list	false	named		true (ByPropertyName)	false
Permission <Nullable`1> Permission: 16 READ ONLY; 32 WRITE ONLY; 48 READ and WRITE.	false	named		true (ByPropertyName)	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: mydomain.corp	true	named		true (ByPropertyName)	false
DRAHostServer [<String>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRAHostPort [<Int32>] The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.	false	named	11192	true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<i><Int32></i>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	true (ByPropertyName)	false
<p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					
<p>NOTE: For more information, type "Get-Help Set-DRAGroupPermissions -detailed". For technical information, type "Get-Help Set-DRAGroupPermissions -full".</p>					

Example 16-33 1

```
PS C:\>Set-DRAGroupPermissions -Domain MyDomain.corp -Identifier
"CN=Group1,DC=MyDomain,DC=corp" -User
"OU=User1,CN=Users,DC=MyDomain,DC=corp" -AccessMode 1 -Action 1 -
Permission 48
```

This example removes the trustee User1 from the group named Group1. You need to match the grant access mode and permission exactly in order to remove the right one.

Example 16-34 2

```
PS C:\>Set-DRAGroupPermissions -Domain MyDomain.corp -Identifier
"CN=Group1,DC=MyDomain,DC=corp" -User
"OU=User1,CN=Users,DC=MyDomain,DC=corp" -AccessMode 1 -Action 0 -
Permission 48
```

This example adds the trustee User1 to the group named Group1 with the GRANT ACCESS mode and READ and WRITE permission.

Example 16-35 3

```
PS C:\>Set-DRAGroupPermissions -Domain MyDomain.corp -Identifier
"CN=Group1,DC=MyDomain,DC=corp" -Users
"OU=User1,CN=Users,DC=MyDomain,DC=corp;OU=User2,CN=Users,DC=MyDomain,DC=co
rp" -AccessMode 1 -Action 0 -Permission 48
```

This example adds trustees User1 and User2 to the group named Group1 with the same GRANT ACCESS mode and READ and WRITE permission.

Example 16-36 4

```
PS C:\>Set-DRAGroupPermissions -Domain MyDomain.corp -Identifier
"CN=Group1,DC=MyDomain,DC=corp" -Groups
"OU=Group11,DC=MyDomain,DC=corp;OU=Group12,DC=MyDomain,DC=corp" -
AccessMode 1 -Action 0 -Permission 48
```

This example adds trustees Group11 and Group12 to the group named Group1 with the same GRANT ACCESS mode and READ and WRITE permission.

17 Organizational Units

This section contains cmdlets you can execute for the Organization Unit object type.

Add-DRAOU

Synopsis

Adds an OU container to an Active Directory domain.

Syntax

```
Add-DRAOU -Properties <Hashtable> -Domain <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Add-DRAOU cmdlet adds an OU container to a domain managed by DRA. The requesting user must have the Create OU power. To see the complete list of available properties, perform a Get-Member command on the object returned from any DRAOU command.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Properties <Hashtable></p> <p>A Hashtable of property values. The key is the name of a defined property in the REST interface. For example: <code>-Properties @{Description="my description";Location="Houston"}</code></p> <p>Multiple values are specified as a comma-separated list.</p> <p>For example: <code>-Properties @{otherTelephones="555-1212","123-4567"}</code></p> <p>If the property name contains non-alphanumeric characters it needs to be quoted.</p> <p>For example: <code>-Properties @{"VA-DRA-VirtualAttribute"=42}</code></p> <p>If the property value contains a quote it needs to be escaped with a backtick (`).</p> <p>For example: <code>-Properties @{Description="my `test` description"}</code></p>	true	named		true (ByPropertyName)	false
<p>Domain <String></p> <p>The domain of the object in fqdn format. For example: <code>mydomain.corp</code></p>	true	named		true (ByPropertyName)	false
<p>DRAHostServer [<String>]</p> <p>The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRAHostPort</i> [<i><Int32></i>]</p> <p>The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARESTPort</i> [<i><Int32></i>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<i><Int32></i>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters>					
Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					
NOTE: For more information, type "Get-Help Add-DRAOU -detailed". For technical information, type "Get-Help Add-DRAOU -full".					

Example 17-1 1

```
PS C:\>Add-DRAOU -Domain MyDomain.corp -Properties
@{DistinguishedName="OU=OU123,OU=Accounting,
DC=MyDomain,DC=corp";Description="OU for
powershell";ManagedBy="CN=George,CN=Users,DC=MYDOMAIN,DC=corp" }
```

This example creates an OU named OU123 in Active Directory using the DRA DistinguishedName property. The OU will be created in the domain MyDomain.corp in the Accounting OU. There are two properties set on this OU: Description and ManagedBy.

Example 17-2 2

```
PS C:\>Add-DRAOU -Domain MyDomain.corp -Properties
@{DistinguishedName="OU=OU123,OU=Accounting,
DC=MyDomain,DC=corp";Description="OU for
powershell";ManagedBy="CN=George,CN=Users,DC=MYDOMAIN,DC=corp" }
```

This example creates an OU named OU123 in Active Directory using the DRA DistinguishedName property. The OU will be created in the domain MyDomain.corp in the Accounting OU. There are two properties set on this OU: Description and ManagedBy.

Example 17-3 3

```
PS C:\>Add-DRAOU -Domain MyDomain.corp -Properties
@{FriendlyName="MyDomain.corp/Accounting/OU123"; Description="OU for
powershell";ManagedBy="CN=George,CN=Users,DC=MYDOMAIN,DC=corp" }
```

This example creates the OU OU123 in Active Directory using the Name and DRA FriendlyParentPath properties. The OU will be created in the domain MyDomain.corp in the Accounting OU. There are two properties set on this OU: Description and ManagedBy.

Copy-DRAOU

Synopsis

Copies an existing Organizational Unit to a new Organizational Unit.

Syntax

```
Copy-DRAOU -Domain <String> -Properties <Hashtable> -Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Copy-DRAOU cmdlet copies an existing Organizational Unit properties to a new Organizational Unit. The values provided in the -Properties parameter will overwrite the values provided by the existing Organizational Unit. You must supply the properties to give the new Organizational Unit a name. See the Add-DRAOU cmdlet help for examples of how to define the new Organizational Unit. The response contains the string generated by the server.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Properties <Hashtable></p> <p>A Hashtable of property values. The key is the name of a defined property in the REST interface. For example: <code>-Properties @{Description="my description";Location="Houston"}</code></p> <p>Multiple values are specified as a comma-separated list.</p> <p>For example: <code>-Properties @{otherTelephones="555-1212", "123-4567"}</code></p> <p>If the property name contains non-alphanumeric characters it needs to be quoted.</p> <p>For example: <code>-Properties @{"VA-DRA-VirtualAttribute"=42}</code></p> <p>If the property value contains a quote it needs to be escaped with a backtick (`).</p> <p>For example: <code>-Properties @{Description="my `test` description"}</code></p>	true	named		true (ByPropertyName)	false
<p>Identifier <String></p> <p>The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.</p>	true	named		true (ByPropertyName)	false
<p>Domain <String></p> <p>The domain of the object in FQDN format. For example: <code>mydomain.corp</code></p>	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRAHostServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA Host Service. The DRA REST server will send the requested operation to the DRA Host Service running on the specified computer. If this parameter is not specified, then the DRA REST Service will attempt to discover a DRA Host Service to use.</p>	false	named		true (ByPropertyName)	false
<p><i>DRAHostPort</i> [<i><Int32></i>]</p> <p>The port number of the DRA Host Service. This parameter is only used when the DRAHostServer parameter is also specified. If the DRAHostServer parameter is specified but the DRAHostPort is not, 11192 will be used as the default Host port.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARESTPort</i> [<i><Int32></i>]</p> <p>The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARESTPort is not, 8755 will be used as the default REST port.</p>	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>IgnoreCertificateErrors</i> [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
<i>Force</i> [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
<i>Timeout</i> [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					
NOTE: For more information, type "Get-Help Copy-DRAOU -detailed". For technical information, type "Get-Help Copy-DRAOU -full".					

Example 17-4 1

```
PS C:\>Copy-DRAOU -Identifier
"CN=OUsource,OU=Accounting,DC=MyDomain,DC=corp" -Properties
@{distinguishedName="CN=OUT123,OU=Tax,DC=MyDomain,DC=corp"} -domain
MyDomain.corp
```

This example will copy the Organizational Unit named OUsource from the Accounting OU in MyDomain.corp to a new Organizational Unit named OU123 in the Tax OU in MyDomain.corp. The properties of OU123 will be the same as the properties of OUsource.

Example 17-5 2

```
PS C:\>Copy-DRAOU -Identifier
"CN=OUsource,OU=Accounting,DC=MyDomain,DC=corp" -Properties
@{distinguishedName="CN=OU123,OU=Tax,DC=MyDomain,DC=corp";Description="Tax
Organizational Unit"} -domain MyDomain.corp
```

This example will copy the Organizational Unit named OUsource from the Accounting OU in MyDomain.corp to a new Organizational Unit named OU123 in the Tax OU in MyDomain.corp. The Description property for OU123 will be set to 'Tax Organizational Unit'.

Get-DRAOU

Synopsis

Gets information about an Active Directory Organizational Unit.

Syntax

```
Get-DRAOU -Domain <String> [-Attributes <String[]>] [-PowersForOperations
<String[]>] [-VisiblePropertiesOnly <SwitchParameter>] -Identifier
<String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer
<String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Get-DRAOU cmdlet returns the properties of the requested Organizational Unit managed by DRA. The requesting user must have the View All OU Properties power. You can view the default list of properties or specify specific properties. See the examples for information on how to view specific properties.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Attributes [-<String[]>] An array of attributes to retrieve values for. If this parameter is missing, a default list of properties is returned.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>PowersForOperations</i> [<String[]>] An array of DRA operation names for which you want the server to return read/write permission information. This parameter is typically used by a UI-based client to hide or disable elements the calling user doesn't have powers for.	false	named		true (ByPropertyName)	false
<i>VisiblePropertiesOnly</i> [<SwitchParameter>] A flag to indicate whether DRA should return only properties the caller has powers to view. By default, DRA will return an error if the caller requests a property that they do not have powers to view. By specifying this flag, DRA is instructed to not return an error and instead just not return a value for such properties.	false	named		false	false
<i>Identifier</i> <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
<i>Domain</i> <String> The domain of the object in fqdn format. For example: mydomain.corp	true	named		true (ByPropertyName)	false
<i>DRAHostServer</i> [<String>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRAHostPort</i> [<i><Int32></i>]</p> <p>The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<i><Int32></i>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters>					
Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					
NOTE: For more information, type "Get-Help Get-DRAOU -detailed". For technical information, type "Get-Help Get-DRAOU -full".					

Example 17-6 1

```
PS C:\>Get-DRAOU -Domain MyDomain.corp -Identifier "OU=OU123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example requests the properties of the OU named OU123 in MyDomain.corp. The identifier contains the distinguished name for the OU.

Example 17-7 2

```
PS C:\>Get-DRAOU -Domain MyDomain.corp -Identifier "OU123"
```

This example requests the properties of the OU named OU123 in MyDomain.corp. The identifier contains the name for the OU. When the name is used, the REST endpoint will first query the DRA Server for the distinguished name and then request the properties for that OU.

Example 17-8 3

```
PS C:\>Get-DRAOU -Domain MyDomain.corp -Identifier "OU123" -Attributes "Description", "DisplayName", "DistinguishedName", "FriendlyPath", "FriendlyParentPath", "FriendlyName", "ObjectCategory"
```

This example requests the properties of the OU named OU123 in MyDomain.corp. The Attributes parameter specifies what properties to return. When the Attributes parameter is not present, a default list of properties will be returned.

Move-DRAOU

Synopsis

Moves an Organizational Unit from one location in Active Directory to another.

Syntax

```
Move-DRAOU -Domain <String> -TargetContainer <String> -Identifier <String>
[-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>]
[-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-
Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Move-DRAOU cmdlet moves the OU named in Identifier to the OU named in the TargetContainer. The requesting user must have the Move Organizational Unit to OU power on the TargetContainer.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
TargetContainer <String> The full path to the destination container for the object you are moving, in distinguished name format. For example: - TargetContainer "OU=Accounting,DC=MyDomain,DC=corp".	false	named		true (ByPropertyName)	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: mydomain.corp	true	named		true (ByPropertyName)	false
DRAHostServer [<String>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRAHostPort</i> [<i><Int32></i>]</p> <p>The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<i><Int32></i>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters>					
Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					
NOTE: For more information, type "Get-Help Move-DRAOU -detailed". For technical information, type "Get-Help Move-DRAOU -full".					

Example 17-9 1

```
PS C:\>Move-DRAOU -Domain MyDomain.corp -Identifier
"OU=OU123,OU=Accounting,DC=MyDomain,DC=corp" -TargetContainer
"OU=NewParent,OU=AccountingHomeOffice,DC=MyDomain,DC=corp"
```

This example moves the OU named OU123 from the Accounting container to the NewParent container. The identifier contains the distinguished name for the OU.

Remove-DRAOU

Synopsis

Removes an Organizational Unit from Active Directory.

Syntax

```
Remove-DRAOU -Domain <String> -Identifier <String> [-DRAHostServer
<String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort
<Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force
<SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Remove-DRAOU cmdlet deletes the requested OU account. The requesting user must have one of the Delete OU powers. Even if Recycle Bin support is enabled in DRA, the OU will be deleted permanently.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Identifier <String></p> <p>The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.</p>	true	named		true (ByPropertyName)	false
<p>Domain <String></p> <p>The domain of the object in fqdn format. For example: mydomain.corp</p>	true	named		true (ByPropertyName)	false
<p>DRAHostServer [<String>]</p> <p>The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p>DRAHostPort [<Int32>]</p> <p>The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p>DRARestServer [<String>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p>DRARESTPort [<Int32>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>IgnoreCertificateErrors</i> [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
<i>Force</i> [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
<i>Timeout</i> [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					

NOTE: For more information, type "Get-Help Remove-DRAOU -detailed". For technical information, type "Get-Help Remove-DRAOU -full".

Example 17-10 1

```
PS C:\>Remove-DRAOU -Domain MyDomain.corp -Identifier
"OU=OU123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example deletes the OU named OU123 from MyDomain.corp. The identifier contains the distinguished name for the OU.

Set-DRAOU

Synopsis

Updates the properties of an existing Organizational Unit in Active Directory.

Syntax

```
Set-DRAOU -Domain <String> -Properties <Hashtable> -Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Set-DRAOU cmdlet modifies the requested Organizational Unit. The requesting user must have the Modify All OU Properties power.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Properties <Hashtable></p> <p>A Hashtable of property values. The key is the name of a defined property in the REST interface. For example: <code>-Properties @{Description="my description";Location="Houston"}</code></p> <p>Multiple values are specified as a comma-separated list.</p> <p>For example: <code>-Properties @{otherTelephones="555-1212", "123-4567"}</code></p> <p>If the property name contains non-alphanumeric characters it needs to be quoted.</p> <p>For example: <code>-Properties @{ "VA-DRA-VirtualAttribute"=42}</code></p> <p>If the property value contains a quote it needs to be escaped with a backtick (`).</p> <p>For example: <code>-Properties @{Description="my `test` description"}</code></p>	true	named		true (ByPropertyName)	false
<p>Identifier <String></p> <p>The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.</p>	true	named		true (ByPropertyName)	false
<p>Domain <String></p> <p>The domain of the object in fqdn format. For example: <code>mydomain.corp</code></p>	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>DRAHostServer</i> [<String>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRAHostPort</i> [<Int32>] The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.	false	named	11192	true (ByPropertyName)	false
<i>DRARestServer</i> [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRARESTPort</i> [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
<i>IgnoreCertificateErrors</i> [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
<i>Force</i> [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Timeout [<i><Int32></i>]	false	named	100 seconds	true (ByPropertyName)	false
<p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p> <p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					

NOTE: For more information, type "Get-Help Set-DRAOU -detailed". For technical information, type "Get-Help Set-DRAOU -full".

Example 17-11 1

```
PS C:\>Set-DRAOU -Domain MyDomain.corp -Identifier "OU123" -Properties
@{ManagedBy=CN=George,CN=Users, DC=MYDOMAIN,DC=corp";Description="updated
description" }
```

This example updates some of the properties of the OU OU123 in MyDomain.corp. The Identifier specifies the name of the OU. When the identifier format is the name, the REST endpoint will contact the DRA Server to resolve the name to the full distinguished name.

Example 17-12 2

```
PS C:\>Set-DRAOU -Domain MyDomain.corp -Identifier
"OU=OU123,OU=Accounting,DC=MyDomain,DC=corp" -Properties
@{ManagedBy="CN=George,CN=Users,DC=MYDOMAIN,DC=corp";Description="Located
in Houston" }
```

This example updates some of the properties of the OU OU123 in MyDomain.corp. The identifier contains the distinguished name for the OU. Two properties are updated: ManagedBy, and Description. To see the complete list of available properties, perform a Get-Member command on the object returned from any DRAOU command.

18 Public Folder Commands

This section contains cmdlets you can execute for the Public Folder.

Disable-DRAMailPublicFolder

Synopsis

Disables mail of public folders.

Syntax

```
Disable-DRAMailPublicFolder -Domain <String> -Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Disable-DRAMailPublicFolder cmdlet disables mail of public folders. The requesting user must have the Delete Email for Public Folder power.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: mydomain.corp	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>DRAHostServer</i> [<String>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRAHostPort</i> [<Int32>] The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.	false	named	11192	true (ByPropertyName)	false
<i>DRARestServer</i> [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRARestPort</i> [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
<i>IgnoreCertificateErrors</i> [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
<i>Force</i> [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Timeout [<i><Int32></i>]	false	named	100 seconds	false	false
<p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p> <p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					

NOTE: For more information, type "Get-Help Disable-DRAMailPublicFolder -detailed". For technical information, type "Get-Help Disable-DRAMailPublicFolder -full".

Example 18-1 1

```
PS C:\>Disable-DRAMailPublicFolder -Identifier
"PF=MyPublicFolder,DC=MyDomain,DC=corp" -Domain MyDomain.corp
```

This example will disable mail of public folders named MyPublicFolder.

Enable-DRAMailPublicFolder

Synopsis

Enables mail of public folders.

Syntax

```
Enable-DRAMailPublicFolder -Domain <String> -Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The `Enable-DRAMailPublicFolder` cmdlet enables mail of public folders. The requesting user must have the Enable Email for Public Folder power.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Identifier <String></p> <p>The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.</p>	true	named		true (ByPropertyName)	false
<p>Domain <String></p> <p>The domain of the object in fqdn format. For example: mydomain.corp</p>	true	named		true (ByPropertyName)	false
<p>DRAHostServer [<String>]</p> <p>The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p>DRAHostPort [<Int32>]</p> <p>The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p>DRARestServer [<String>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p>DRARestPort [<Int32>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>IgnoreCertificateErrors</i> [<SwitchParameter>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<SwitchParameter>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<Int32>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	false	false
<p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					
<p>NOTE: For more information, type "Get-Help Enable-DRAMailPublicFolder -detailed". For technical information, type "Get-Help Enable-DRAMailPublicFolder -full".</p>					

Example 18-2 1

```
PS C:\>Enable-DRAMailPublicFolder -Identifier
"PF=MyPublicFolder,DC=MyDomain,DC=corp" -Domain MyDomain.corp
```

This example will enable mail of public folders named MyPublicFolder.

Get-DRAPublicFolder

Synopsis

It can be used to Search public folders or retrieve information about a public folder in DRA.

Syntax

```
Get-DRAPublicFolder [-PublicFolderAndFilter <Hashtable>] [-PublicFolderOrFilter <Hashtable>] [-VisiblePropertiesOnly <SwitchParameter>] [-GetChildren <SwitchParameter>] [-Recurse <SwitchParameter>] [-Identifier <String>] -Domain <String> [-ContainerDN <String>] [-EnforceServerLimit <SwitchParameter>] [-IncludeChildContainers <SwitchParameter>] [-ObjectsPerResponse <Int32>] [-ResumeString <String>] [-Attributes <String[]>] [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Get-DRAPublicFolder cmdlet executes a search for all public folders in the DRA Server. The server returns all public folders for domains that have Public Folder configured. You can specify criteria to search for public folders. The Or Filter uses a Hashtable of property values to match. For example, the following filter will find users whose Name begins with "Sm" or whose ParentPath is "PublicFolderRoot": -PublicFolderOrFilter @{Name="Sm*";ParentPath="PublicFolderRoot"} Wildcard options for filter values are: *Matches an unlimited number of characters Multiple match strings can be specified for an attribute by separating them with the | character.

For example, the following will match public folders whose Name attribute begins with H or P: -PublicFolderOrFilter @{Name="H*|P*" } To search for the literal | character you need to escape it with a backslash.

For example, the following filter will find all public folders that have a | in their Path: -PublicFolderOrFilter @{ParentPath="*\|*" } You can specify the ContainerDN parameter to control where DRA searches. Specify that the search should include public folders in child containers by specifying the Recurse parameter. See parameter explanations in the detailed Help for more information. You can also specify parameters that control the content in the response, such as the number of items to return and where to resume the search results if multiple requests are needed to retrieve all of the search results. For more examples, see the help.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>PublicFolderAndFilter</i> [<Hashtable>]</p> <p>Public Folder properties to use for searching public folders. The properties will be combined for the search. Public folders matching all listed properties will be returned.</p>	false	named		true (ByPropertyName)	false
<p><i>PublicFolderOrFilter</i> [<Hashtable>]</p> <p>Public Folder properties to use for searching Public Folder objects. Public folders matching any of the listed properties will be returned.</p>	false	named		true (ByPropertyName)	false
<p><i>VisiblePropertiesOnly</i> [<SwitchParameter>]</p> <p>A flag to indicate whether DRA should return only properties the caller has powers to view. By default DRA will return an error if the caller requests a property that they do not have powers to view, by specifying this flag DRA is instructed to not return an error and instead just not return a value for such properties.</p>	false	named		false	false
<p><i>GetChildren</i> [<SwitchParameter>]</p> <p>It specifies whether to retrieve only the immediate children of the specified public folder. You can't use the GetChildren parameter with the Recurse parameter.</p>	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>Recurse</i> [<SwitchParameter>]</p> <p>It specifies whether to retrieve all children of the specified public folder. You can't use the GetChildren parameter with the Recurse parameter.</p>	true	named		false	false
<p><i>Identifier</i> <String></p> <p>The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.</p>	true	named		true (ByPropertyName)	false
<p><i>Domain</i> <String></p> <p>The domain of the object in fqdn format. For example: mydomain.corp</p>	true	named		true (ByPropertyName)	false
<p><i>ContainerDN</i> [<String>]</p> <p>The full path to the container to search in distinguished name format.</p> <p>For example: -ContainerDN "OU=Accounting,DC=MyDomain,DC=corp"</p>	false	named		false	false
<p><i>EnforceServerLimit</i> [<SwitchParameter>]</p> <p>A switch parameter to indicate that the search results should be limited by the search result limit on the DRA Server. The typical server limit is 1000 items. The default is true.</p>	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>IncludeChildContainers</i> [<SwitchParameter>] A switch parameter to request that the search include child containers. The default is false: only the container named in the ContainerDN parameter is searched.	false	named		false	false
<i>ObjectsPerResponse</i> [<Nullable`1>] The number of objects to return in a response. The default is 250.	false	named		false	false
<i>ResumeString</i> [<String>] When multiple responses are needed to return all of the search results to the client, this parameter indicates the last item returned from the server. The value of this parameter would be set using the ResumeString property from the previous set of results. The ResumeString may look like this: "CN=MYUser160,CN=Users,DC=MyDomain,DC=corp".	false	named		false	false
<i>Attributes</i> [<String[]>] An array of attributes to retrieve values for. If this parameter is missing, a default list of properties is returned.	false	named		true (ByPropertyName)	false
<i>DRAHostServer</i> [<String>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRAHostPort</i> [<i><Int32></i>]</p> <p>The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<i><Int32></i>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?

<CommonParameters>

Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see [About CommonParameters \(http://go.microsoft.com/fwlink/?LinkID=113216\)](http://go.microsoft.com/fwlink/?LinkID=113216).

NOTE: For more information, type "Get-Help Get-DRAPublicFolder -detailed". For technical information, type "Get-Help Get-DRAPublicFolder -full".

Example 18-3 1

```
PS C:\>Get-DRAPublicFolder -ContainerDn
"PF=PF1,PF=PublicFolderRoot,DC=corp"
```

This example will enable mail of public folders named MyPublicFolder.

Example 18-4 2

```
PS C:\>Get-DRAPublicFolder -PublicFolderOrFilter @{Name="PF*"} -
ContainerDn "PF=PF1,PF=PublicFolderRoot,DC=corp" -IncludeChildContainers -
ObjectsPerResponse 50
```

In this example, DRA will search in the PF1 public folder and all child containers of that public folder for all public folders having a name attribute beginning with "PF". The server should return a maximum of 50 items in the response.

Example 18-5 3

```
PS C:\>Get-DRAPublicFolder -PublicFolderOrFilter @{ParentPath="PF-
1###";Name="publicFolder1*"} -ContainerDn "PF=PublicFolderRoot,DC=corp" -
Attributes "mailEnabled","hasSubFolders","domainName"
```

In this example, DRA will search for public folders having either a parent path beginning with "PF-1" and ending with three numeric digits, OR a Name beginning with "publicFolder1". DRA will search only in the "PublicFolderRoot" public folder since the ContainerDN is specified and IncludeChildContainers is not. For each group matching the filter criteria, the server will return three attributes. The response will return a maximum of 250 items since the ObjectsPerResponse parameter is not specified.

Example 18-6 4

```
PS C:\>Get-DRAPublicFolder -Domain MyDomain.corp -Identifier  
"PF=MyPublicFolder,PF=PublicFolderRoot,DC=MyDomain,DC=corp"
```

This example requests the properties of the public folder named MyPublicFolder under PublicFolderRoot in MyDomain.corp. The identifier contains the distinguished name for the public folder. When the Attributes parameter is not present, a default list of properties will be returned.

Example 18-7 5

```
PS C:\>Get-DRAPublicFolder -Domain MyDomain.corp -Identifier  
"PublicFolderRoot\MyPublicFolder"-Attributes  
"issueWarningQuota","retainDeletedItemsFor", "maxItemSize"
```

This example requests the properties of the public folder named MyPublicFolder under PublicFolderRoot in MyDomain.corp. The identifier contains the path for the public folder. When the path is used, the path will be converted to distinguished name before reaching the REST endpoint.

Example 18-8 6

```
PS C:\>Get-DRAPublicFolder -Domain MyDomain.corp -Identifier  
"PF=MyPublicFolder,PF=PublicFolderRoot,DC=MyDomain,DC=corp"-Attributes  
"name","folderSize","perUserReadStateEnabled"
```

This example requests the properties of the public folder named MyPublicFolder under PublicFolderRoot in MyDomain.corp. The Attributes parameter specifies what properties to return.

New-DRAPublicFolder

Synopsis

Creates a new public folder.

Syntax

```
New-DRAPublicFolder -Name <String> [-Path <String>] [-Mailbox <String>] -  
Domain <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-  
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors  
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]  
[<CommonParameters>]
```

Description

The `New-DRAPublicFolder` cmdlet creates a new public folder. The requesting user must have the Create Public Folder power.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Name <String></p> <p>The Name parameter specifies the name for the public folder.</p>	true	named		true (ByPropertyName)	false
<p>Path [<String>]</p> <p>The Path parameter specifies the location of the folder in the folder hierarchy. The following value types can be used: OnePointPath or DistinguishedName or TopLevelPublicFolder\PublicFolder. For example, OnePoint://PF=PublicFolder,DC=MyDomain,DC=corp.</p>	false	named		true (ByPropertyName)	false
<p>Mailbox [<String>]</p> <p>The Mailbox parameter specifies the identity of the public folder mailbox hierarchy. The following values can be used: GUID, Distinguished Name, Domain\Account, User principal name, LegacyExchangeDN, SMTP address or Alias.</p>	false	named		true (ByPropertyName)	false
<p>Domain <String></p> <p>The domain of the object in fqdn format. For example: mydomain.corp</p>	true	named		true (ByPropertyName)	false
<p>DRAHostServer [<String>]</p> <p>The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p>DRAHostPort [<Int32>]</p> <p>The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRARestServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<i><Int32></i>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters>					
Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					
NOTE: For more information, type "Get-Help New-DRAPublicFolder -detailed". For technical information, type "Get-Help New-DRAPublicFolder -full".					

Example 18-9 1

```
PS C:\>New-DRAPublicFolder -Name "MyPublicFolder" -Path "OnePoint://PF=RootPF,DC=MyDomain,DC=corp" -Domain MyDomain.corp
```

This example will create a new public folder named MyPublicFolder inside RootPF public folder.

Example 18-10 2

```
PS C:\>New-DRAPublicFolder -Name "MyPublicFolder" -Mailbox MyMailbox -Domain MyDomain.corp
```

This example will create a new public folder named MyPublicFolder in the MyMailbox hierarchy public folder mailbox.

Remove-DRAPublicFolder

Synopsis

Removes a public folder permanently.

Syntax

```
Remove-DRAPublicFolder -Domain <String> -Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>][<CommonParameters>]
```

Description

The Remove-DRAPublicFolder cmdlet removes a public folder permanently. The requesting user must have the Delete Public Folder power.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: mydomain.corp	true	named		true (ByPropertyName)	false
ContainerDN [<String>] The full path to the container to search in distinguished name format. For example: -ContainerDN "OU=Accounting,DC=MyDomain,DC=corp"	false	named		false	false
EnforceServerLimit [<SwitchParameter>] A switch parameter to indicate that the search results should be limited by the search result limit on the DRA Server. The typical server limit is 1000 items. The default is true.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>IncludeChildContainers</i> [<SwitchParameter>] A switch parameter to request that the search include child containers. The default is false: only the container named in the ContainerDN parameter is searched.	false	named		false	false
<i>ObjectsPerResponse</i> [<Nullable`1>] The number of objects to return in a response. The default is 250.	false	named		false	false
<i>ResumeString</i> [<String>] When multiple responses are needed to return all of the search results to the client, this parameter indicates the last item returned from the server. The value of this parameter would be set using the ResumeString property from the previous set of results. The ResumeString may look like this: "CN=MYUser160,CN=Users,DC=MyDomain,DC=corp".	false	named		false	false
<i>Attributes</i> [<String[]>] An array of attributes to retrieve values for. If this parameter is missing, a default list of properties is returned.	false	named		true (ByPropertyName)	false
<i>DRAHostServer</i> [<String>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRAHostPort</i> [<Int32>]</p> <p>The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<String>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARestPort</i> [<Int32>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<SwitchParameter>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<SwitchParameter>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<Int32>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters>					
Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					
NOTE: For more information, type "Get-Help Remove-DRAPublicFolder -detailed". For technical information, type "Get-Help Remove-DRAPublicFolder -full".					

Example 18-11 1

```
PS C:\>Remove-DRAPublicFolder -Identifier
"PF=MyPublicFolder,DC=MyDomain,DC=corp" -Domain MyDomain.corp
```

This example will remove a public folder named MyPublicFolder.

Set-DRAPublicFolder

Synopsis

Sets the general information and storage quota limits for a public folder.

Syntax

```
Set-DRAPublicFolder -Domain <String> -Properties <Hashtable> -Identifier
<String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer
<String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Set-DRAPublicFolder cmdlet sets some of the properties of the requested public folder managed by DRA. The requesting user must have the Modify Public Folder Properties power. You can specify the properties you want to set. See the examples for information on how to set specific properties.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Properties <Hashtable></p> <p>A Hashtable of property values. The key is the name of a defined property in the REST interface. For example: -Properties @{Description="my description";Location="Houston" }</p> <p>Multiple values are specified as a comma-separated list.</p> <p>For example: -Properties @{otherTelephones="555-1212","123-4567"}</p> <p>If the property name contains non-alphanumeric characters it needs to be quoted.</p> <p>For example: -Properties @"{VA-DRA-VirtualAttribute=42}</p> <p>If the property value contains a quote it needs to be escaped with a backtick (`).</p> <p>For example: -Properties @{Description="my `test` description"}</p>	true	named		true (ByPropertyName)	false
<p>Identifier <String></p> <p>The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.</p>	true	named		true (ByPropertyName)	false
<p>Domain <String></p> <p>The domain of the object in fqdn format. For example: mydomain.corp</p>	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>DRAHostServer</i> [<String>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRAHostPort</i> [<Int32>] The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.	false	named	11192	true (ByPropertyName)	false
<i>DRARestServer</i> [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRARestPort</i> [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
<i>IgnoreCertificateErrors</i> [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
<i>Force</i> [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Timeout [<i><Int32></i>]	false	named	100 seconds	false	false
<p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p> <p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					

NOTE: For more information, type "Get-Help Set-DRAPublicFolder -detailed". For technical information, type "Get-Help Set-DRAPublicFolder -full".

Example 18-12 1

```
PS C:\>Set-DRAPublicFolder -Domain MyDomain.corp -Identifier
"PublicFolderRoot\MyPublicFolder"-Properties @{Name="RenamedPublicFolder",
PerUserReadStateEnabled=true, PerUserReadStateEnabledR=true}
```

This example sets some of the properties of the public folder named MyPublicFolder under PublicFolderRoot in MyDomain.corp. The identifier contains the path for the public folder. When the path is used, the path will be converted to distinguished name before reaching the REST endpoint.

Example 18-13 2

```
PS C:\>Set-DRAPublicFolder -Domain MyDomain.corp -Identifier
"PF=MyPublicFolder,PF=PublicFolderRoot,DC=MyDomain,DC=corp"-Properties
@{IssueWarningQuota="25MB", RetainDeletedItemsFor="23"}
```

This example sets some of the properties of the public folder named MyPublicFolder under PublicFolderRoot in MyDomain.corp. The identifier contains the distinguished name for the public folder.

19 Resource Mailbox Commands

This section contains cmdlets you can execute for the Resource Mailbox.

Add-DRAResourceMailbox

Synopsis

Adds a user having a resource mailbox to an Active Directory domain.

Syntax

```
Add-DRAResourceMailbox -MailboxType <String> -Properties <Hashtable> -  
Domain <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-  
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors  
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]  
[<CommonParameters>]
```

Description

The Add-DRAResourceMailbox cmdlet adds a resource mailbox to a domain managed by DRA. The requesting user must have the Create Resource Mailbox power. Use the Properties parameter to specify the values to use when creating the resource mailbox. To see the complete list of available properties, perform a Get-Member command on the object returned from any DRAResourceMailbox command.

Creating a resource mailbox requires a full path for the object and the LDAP path to the target MailboxStore. You can get the LDAP path to the mailbox store by using the Get-DRAExchangeServers and Get-DRAExchangeStores cmdlets.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
MailboxType [<i><String></i>] The type of resource mailbox you want to create. Valid values are 'room' or 'equipment'.	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Properties <Hashtable></p> <p>A Hashtable of property values. The key is the name of a defined property in the REST interface. For example: <code>-Properties @{Description="my description";Location="Houston"}</code></p> <p>Multiple values are specified as a comma-separated list.</p> <p>For example: <code>-Properties @{otherTelephones="555-1212", "123-4567"}</code></p> <p>If the property name contains non-alphanumeric characters it needs to be quoted.</p> <p>For example: <code>-Properties @{ "VA-DRA-VirtualAttribute"=42}</code></p> <p>If the property value contains a quote it needs to be escaped with a backtick (`).</p> <p>For example: <code>-Properties @{Description="my `test` description"}</code></p>	true	named		true (ByPropertyName)	false
<p>Identifier <String></p> <p>The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.</p>	true	named		true (ByPropertyName)	false
<p>Domain <String></p> <p>The domain of the object in fqdn format. For example: <code>mydomain.corp</code></p>	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRAHostServer</i> [<String>]</p> <p>The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRAHostPort</i> [<Int32>]</p> <p>The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<String>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARESTPort</i> [<Int32>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<SwitchParameter>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<SwitchParameter>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Timeout [<i><Int32></i>]	false	named	100 seconds	true (ByPropertyName)	false
<p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p> <p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					

NOTE: For more information, type "Get-Help Add-DRAResourceMailbox -detailed". For technical information, type "Get-Help Add-DRAResourceMailbox -full".

Example 19-1 1

```
PS C:\>Add-DRAResourceMailbox -Domain MyDomain.corp -MailboxType room -
Properties @{FriendlyName="MyDomain.corp/Accounting/
RMB_123";MailboxStore="LDAP://MDOMAIN.CORP/CN=etc.";
Description="ResourceMailbox for powershell";AllowConflicts=$true}
```

This example creates a room resource mailbox named RMB_123 in Active Directory using the DRA FriendlyName property. The resource mailbox will be created in the domain MyDomain.corp in the Accounting OU. There are two properties set on this resource mailbox: Description and AllowConflicts. The samAccountName defaults to the name. The principal name defaults to RMB_123@MyDomain.corp. The alias will be set by the server, according to configured policy.

Example 19-2 2

```
PS C:\>Add-DRAResourceMailbox -Domain MyDomain.corp -MailboxType
equipment -Properties @{DistinguishedName="CN=
RMB_123,OU=Accounting,DC=MyDomain,DC=corp";MailboxStore="LDAP://
MDOMAIN.CORP/CN=etc.";Description="some description"}
```

This example creates an equipment resource mailbox named RMB_123 in Active Directory using the DistinguishedName property. The resource mailbox will be created in the domain MyDomain.corp in the Accounting OU. There is one property set: Description. The samAccountName defaults to the name. The resource mailbox principal name defaults to RMB_123@MyDomain.corp. The alias will be set by the server, according to configured policy.

Copy-DRAResourceMailbox

Synopsis

Copies an existing resource mailbox to a new resource mailbox.

Syntax

```
Copy-DRAResourceMailbox -Domain <String> -Properties <Hashtable> -  
Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-  
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors  
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]  
[<CommonParameters>]
```

Description

The Copy-DRAResourceMailbox cmdlet copies an existing resource mailbox to a new resource mailbox. The values provided in the -Properties parameter will overwrite the values provided by the existing resource mailbox. You must supply the name property to give the new resource mailbox a different name. If you do not supply any other properties, the new resource mailbox will be located in the same container and use the same mailbox store as the source resource mailbox. The response contains the string generated by the server.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Properties <Hashtable></p> <p>A Hashtable of property values. The key is the name of a defined property in the REST interface. For example: <code>-Properties @{Description="my description";Location="Houston"}</code></p> <p>Multiple values are specified as a comma-separated list.</p> <p>For example: <code>-Properties @{otherTelephones="555-1212", "123-4567"}</code></p> <p>If the property name contains non-alphanumeric characters it needs to be quoted.</p> <p>For example: <code>-Properties @{ "VA-DRA-VirtualAttribute"=42}</code></p> <p>If the property value contains a quote it needs to be escaped with a backtick (`).</p> <p>For example: <code>-Properties @{Description="my `test` description"}</code></p>	true	named		true (ByPropertyName)	false
<p>Identifier <String></p> <p>The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.</p>	true	named		true (ByPropertyName)	false
<p>Domain <String></p> <p>The domain of the object in FQDN format. For example: <code>mydomain.corp</code></p>	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRAHostServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA Host Service. The DRA REST server will send the requested operation to the DRA Host Service running on the specified computer. If this parameter is not specified, then the DRA REST Service will attempt to discover a DRA Host Service to use.</p>	false	named		true (ByPropertyName)	false
<p><i>DRAHostPort</i> [<i><Int32></i>]</p> <p>The port number of the DRA Host Service. This parameter is only used when the DRAHostServer parameter is also specified. If the DRAHostServer parameter is specified but the DRAHostPort is not, 11192 will be used as the default Host port.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARESTPort</i> [<i><Int32></i>]</p> <p>The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARESTPort is not, 8755 will be used as the default REST port.</p>	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>IgnoreCertificateErrors</i> [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
<i>Force</i> [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
<i>Timeout</i> [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					

NOTE: For more information, type "Get-Help Copy-DRAResourceMailbox -detailed". For technical information, type "Get-Help Copy-DRAResourceMailbox -full".

Example 19-3 1

```
PS C:\>Copy-DRAResourceMailbox -Identifier
"CN=RMBsource,OU=Accounting,DC=MyDomain,DC=corp" -Properties
@{Name="NewRMB"} -domain MyDomain.corp
```


This example will copy the resource mailbox named RMBsource to a new resource mailbox named NewRMB. Except for the name, the properties of NewRMB will be the same as the properties of RMBsource.

Example 19-4 2

```
PS C:\>Copy-DRAResourceMailbox -Identifier
"CN=RMBsource,OU=Accounting,DC=MyDomain,DC=corp" -domain MyDomain.corp -
Properties
@{distinguishedName="CN=NewRMB,OU=Tax,DC=MyDomain,DC=corp";homeMdb="MyServ
er/CN=Etc..."}
```

This example will copy the resource mailbox named RMBsource from the Accounting OU in MyDomain.corp to a new resource mailbox named NewRMB in the Tax OU in MyDomain.corp. The mailbox store of the new resource mailbox will be set to the specified homeMdb path.

Get-DRAResourceMailbox

Synopsis

Gets information about the Active Directory resource mailbox account specified by the Identifier parameter.

Syntax

```
Get-DRAResourceMailbox -Domain <String> [-Attributes <String[]>] [-
PowersForOperations <String[]>] [-VisiblePropertiesOnly <SwitchParameter>]
-Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Get-DRAResourceMailbox cmdlet returns the properties of the requested resource mailbox account managed by DRA. The requesting user must have the View All Resource Mailbox Properties power. You can view the default list of properties or specify specific properties. See the examples for information on how to view specific properties.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Attributes [<i><String[]></i>]</p> <p>An array of attributes to retrieve values for. If this parameter is missing, a default list of properties is returned.</p>	false	named		true (ByPropertyName)	false
<p>PowersForOperations [<i><String[]></i>]</p> <p>An array of DRA operation names for which you want the server to return read/write permission information. This parameter is typically used by a UI-based client to hide or disable elements the calling user doesn't have powers for.</p>	false	named		true (ByPropertyName)	false
<p>VisiblePropertiesOnly [<i><SwitchParameter></i>]</p> <p>A flag to indicate whether DRA should return only properties the caller has powers to view. By default, DRA will return an error if the caller requests a property that they do not have powers to view. By specifying this flag, DRA is instructed to not return an error and instead just not return a value for such properties.</p>	false	named		false	false
<p>Identifier <i><String></i></p> <p>The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.</p>	true	named		true (ByPropertyName)	false
<p>Domain <i><String></i></p> <p>The domain of the object in fqdn format. For example: mydomain.corp</p>	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>DRAHostServer</i> [<String>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRAHostPort</i> [<Int32>] The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.	false	named	11192	true (ByPropertyName)	false
<i>DRARestServer</i> [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRARestPort</i> [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
<i>IgnoreCertificateErrors</i> [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
<i>Force</i> [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Timeout [<i><Int32></i>]	false	named	100 seconds	true (ByPropertyName)	false
<p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p> <p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					

NOTE: For more information, type "Get-DRAResourceMailbox -detailed". For technical information, type "Get-DRAResourceMailbox -full".

Example 19-5 1

```
PS C:\>Get-DRAResourceMailbox -Domain MyDomain.corp -Identifier "RMB_123"
```

This example requests the properties of the resource mailbox named RMB_123 in MyDomain.corp. The identifier shows the name for the resource mailbox. When the name is used, the REST endpoint will first query the DRA Server for the distinguished name and then request the properties for that resource mailbox.

Example 19-6 2

```
PS C:\>Get-DRAResourceMailbox -Domain MyDomain.corp -Identifier "CN=RMB_123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example requests the properties of the resource mailbox named RMB_123 in MyDomain.corp. The identifier shows the distinguished name for the resource mailbox. The returned object will have a default list of properties.

Example 19-7 3

```
PS C:\>Get-DRAResourceMailbox -Domain MyDomain.corp -Identifier "RMB_123" -
Attributes "Description","DisplayName",
Mail","MailNickname","DistinguishedName","FriendlyPath","FriendlyParentPat
h","FriendlyName","IsDisabled",
"SamAccountName","TrustedForDelegation","ObjectCategory"
```

This example requests the properties of the resource mailbox named RMB_123 in MyDomain.corp. The Attributes parameter specifies what properties to return. When the Attributes parameter is not present, a default list of properties will be returned.

Move-DRAResourceMailbox

Synopsis

Moves a resource mailbox from one location in Active Directory to another.

Syntax

```
Move-DRAResourceMailbox -Domain <String> -TargetContainer <String> -
Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Move-DRAResourceMailbox cmdlet moves the resource mailbox named in Identifier to the OU named in TargetContainer. The requesting user must have the Move Exchange Mailbox power on the TargetContainer. Supported formats for both parameters are name, friendly name, and distinguished name.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
TargetContainer <String> The full path to the destination container for the object you are moving, in distinguished name format. For example: - TargetContainer "OU=Accounting,DC=MyDomain,DC=corp".	false	named		true (ByPropertyName)	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Domain <String> The domain of the object in fqdn format. For example: mydomain.corp	true	named		true (ByPropertyName)	false
DRAHostServer [<String>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRAHostPort [<Int32>] The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.	false	named	11192	true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Force [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p>Timeout [<i><Int32></i>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	true (ByPropertyName)	false
<p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					
<p>NOTE: For more information, type "Get-Help Move-DRAResourceMailbox -detailed". For technical information, type "Get-Help Move-DRAResourceMailbox -full".</p>					

Example 19-8 1

```
PS C:\>Move-DRAResourceMailbox -Domain MyDomain.corp -Identifier
"CN=Charlie,OU=Accounting,DC=MyDomain,DC=corp"
-TargetContainer "MyDomain.corp/AccountingHomeOffice/NewParent "
```

This example moves the resource mailbox named Charlie from the Accounting container to the NewParent container. Identifier uses the distinguished name format. TargetContainer uses the friendly name format.

Remove-DRAResourceMailbox

Synopsis

Removes the resource mailbox account specified by the Identifier parameter.

Syntax

```
Remove-DRAResourceMailbox -Domain <String> -Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Remove-DRAResourceMailbox cmdlet deletes the specified account. The requesting user must have the Delete Resource Mailbox power. If the Recycle Bin is enabled, the specified account is moved to the Recycle Bin.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>Identifier</i> <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
<i>Domain</i> <String> The domain of the object in fqdn format. For example: mydomain.corp	true	named		true (ByPropertyName)	false
<i>DRAHostServer</i> [<String>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRAHostPort</i> [<Int32>] The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.	false	named	11192	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>DRARestServer</i> [<i><String></i>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRARESTPort</i> [<i><Int32></i>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
<i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
<i>Force</i> [<i><SwitchParameter></i>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
<i>Timeout</i> [<i><Int32></i>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters>					
Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					
NOTE: For more information, type "Get-Help Remove-DRAResourceMailbox -detailed". For technical information, type "Get-Help Remove-DRAResourceMailbox -full".					

Example 19-9 1

```
PS C:\>Remove-DRAResourceMailbox -Domain MyDom.corp -Identifier
"CN=RMB_123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example deletes the resource mailbox named RMB_123 from MyDomain.corp. The identifier contains the distinguished name for the resource mailbox. If the Recycle Bin is enabled, the resource mailbox is moved to the Recycle Bin. Otherwise, it is removed permanently.

Example 19-10 2

```
PS C:\>Remove-DRAResourceMailbox -Domain MyDom.corp -Identifier
"CN=RMB_123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example deletes the resource mailbox named RMB_123 from MyDomain.corp. The identifier contains the distinguished name for the resource mailbox. If the Recycle Bin is enabled, the resource mailbox is moved to the Recycle Bin. Otherwise, it is removed permanently.

Example 19-11 3

```
PS C:\>Remove-DRAResourceMailbox -Domain MyDom.corp -Identifier
"CN=RMB_X,OU=NetIQRecycleBin,DC=MyDomain,DC=corp"
```

This example deletes the resource mailbox named RMB_X from the DRA Recycle Bin, removing it permanently from Active Directory.

Restore-DRAResourceMailbox

Synopsis

Restores the specified resource mailbox from the Recycle Bin.

Syntax

```
Restore-DRAResourceMailbox -Domain <String> [-DomainController <String>]
[-RestoreToContainer <String>] -Identifier <String> [-DRAHostServer
<String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort
<Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force
<SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Restore-DRAResourceMailbox cmdlet will restore a previously deleted resource mailbox from the Recycle Bin to its original container or to a new specified container. Supported formats for the identifier are friendly name and distinguished name. If the full path is specified, it must point to the Recycle Bin (NetIQRecycleBin).

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>DomainController</i> [<i><String></i>] The computer name of a specific domain controller to use for the request.	false	named		true (ByPropertyName)	false
<i>RestoreToContainer</i> [<i><String></i>] The distinguished name of the container to which you want to restore the object. If this parameter is not specified, DRA will attempt to restore the object to its original container.	false	named		true (ByPropertyName)	false
<i>Identifier</i> <i><String></i> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
<i>Domain</i> <i><String></i> The domain of the object in fqdn format. For example: mydomain.corp	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>DRAHostServer</i> [<i><String></i>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRAHostPort</i> [<i><Int32></i>] The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.	false	named	11192	true (ByPropertyName)	false
<i>DRARestServer</i> [<i><String></i>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRARestPort</i> [<i><Int32></i>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
<i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
<i>Force</i> [<i><SwitchParameter></i>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Timeout [<i><Int32></i>]	false	named	100 seconds	true (ByPropertyName)	false
<p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p> <p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					

NOTE: For more information, type "Get-Help Restore-DRAResourceMailbox -detailed". For technical information, type "sGet-Help Restore-DRAResourceMailbox -full".

Example 19-12 1

```
PS C:\>Restore-DRAResourceMailbox -Identifier
"CN=MyRMB88,OU=NetIQRecycleBin,DC=MyDomain,DC=corp" -Domain MyDom.corp
```

This example will restore a resource mailbox named MyRMB88 from the NetIQRecycleBin in MyDom.corp. It will be restored to the container from which it was deleted.

Example 19-13 2

```
PS C:\>Restore-DRAResourceMailbox -Identifier
"CN=MyRMB88,OU=NetIQRecycleBin,DC=MyDomain,DC=corp"
-RestoreToContainer "OU=TempCon,DC=MyDomain,DC=CORP" -domain
MyDomain.corp
```

This example will restore a resource mailbox named MyRMB88 from the NetIQRecycleBin in MyDomain.corp. It will be restored to the container named TempCon in MyDomain.corp.

Set-DRAResourceMailbox

Synopsis

Updates the properties of the resource mailbox account specified by the Identifier parameter.

Syntax

```
Set-DRAResourceMailbox -Domain <String> -Properties <Hashtable> -
Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Set-DRAResourceMailbox cmdlet updates the requested resource mailbox account. The requesting user must have the ModifyResource Mailboxpowers for each of the properties sent in the request.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>Properties <Hashtable></i> A Hashtable of property values. The key is the name of a defined property in the REST interface. For example: <code>-Properties @{Description="my description";Location="Houston"}</code> Multiple values are specified as a comma-separated list. For example: <code>-Properties @{otherTelephones="555-1212","123-4567"}</code> If the property name contains non-alphanumeric characters it needs to be quoted. For example: <code>-Properties @{"VA-DRA-VirtualAttribute "=42}</code> If the property value contains a quote it needs to be escaped with a backtick (`). For example: <code>-Properties @{Description="my `test` description"}</code>	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: mydomain.corp	true	named		true (ByPropertyName)	false
DRAHostServer [<String>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRAHostPort [<Int32>] The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.	false	named	11192	true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARESTPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>IgnoreCertificateErrors</i> [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
<i>Force</i> [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
<i>Timeout</i> [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					

NOTE: For more information, type "Get-Help Set-DRAResourceMailbox -detailed". For technical information, type "Get-Help Set-DRAResourceMailbox -full".

Example 19-14 1

```
PS C:\>Set-DRAResourceMailbox -Domain MyDomain.corp -Identifier
"CN=RMB_123,OU=Accounting,DC=MyDomain,DC=corp" -Properties
{Manager="CN=George,CN=Users,DC=MYDOMAIN,DC=corp";Location="Houston";Addit
ionalResponseText="sometext" }
```


This example updates some of the properties of the resource mailbox RMB_123 in MyDomain.corp. The identifier contains the distinguished name for the resource mailbox. Three properties are updated: Manager, Location and AdditionalResponseText. To see the complete list of available properties, perform a Get-Member command on the object returned from any DRAResourceMailbox command.

Example 19-15 2

```
PS C:\>Set-DRAResourceMailbox -Domain MyDom.corp -Identifier "RMB_123" -
Properties @{Manager="CN=George,CN=Users,
DC=MYDOM,DC=corp";Description="updated description";Location="Houston"}
```

This example updates some properties on the resource mailbox RMB_123 in MyDom.corp. The Identifier specifies the name of the resource mailbox. When the identifier format is the name, the REST endpoint will contact the DRA Server to resolve the name to the full distinguished name.

20 Service Commands

This section contains Help information for cmdlets you can execute for the objects that are shared.

Get-DRAService

Synopsis

Lists the properties of a computer's service object(s).

Syntax

```
Get-DRAService [-RequiredServices <SwitchParameter>] [-DependentServices <SwitchParameter>] -Domain <String> -Identity <String> [-Name <String>] [-ContainerDN <String>] [-EnforceServerLimit <SwitchParameter>] [-IncludeChildContainers <SwitchParameter>] [-ObjectsPerResponse <Int32>] [-ResumeString <String>] [-Attributes <String[]>] [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

Specify the target computer using the distinguishedName. The Get-DRAService cmdlet returns a list of the service objects. When -Name is specified, returns a list of the service object's properties.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
RequiredServices [<SwitchParameter>] Gets only the services that this service requires. This parameter gets the value of the ServicesDependedOn property of the service.	false	named		false	false
DependentServices [<SwitchParameter>] Gets only the services that depend upon the specified service.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Domain <String></p> <p>The domain of the object in FQDN format. For example: mydomain.corp</p>	true	named		false	false
<p>Identity [<String>]</p> <p>The distinguished name of an existing computer object. For example: CN=COMPUTER123 , CN=Computers , DC=DRDOM123 , DC=com</p>	true	named		true (ByPropertyName)	false
<p>Name [<String>]</p> <p>The Name parameter specifies the name of a computer resource. For example, "MyShare" for a file share, "MCSAdminSvc" for a service or, "Application" for an event log.</p>	false	named		true (ByPropertyName)	false
<p>ContainerDN [<String>]</p> <p>The full path to the container to search in distinguished name format. For example: - ContainerDN "OU=Accounting , DC=MyDomain , DC=corp"</p>	false	named		false	false
<p>EnforceServerLimit [<SwitchParameter>]</p> <p>A switch parameter to indicate that the search results should be limited by the search result limit on the DRA Server. The typical server limit is 1000 items. The default is true.</p>	false	named		false	false
<p>IncludeChildContainers [<SwitchParameter>]</p> <p>A switch parameter to request that the search include child containers. The default is false: only the container named in the ContainerDN parameter is searched.</p>	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>ObjectsPerResponse</i> [<code><Nullable`1></code>] The number of objects to return in a response. The default is 250.	false	named		false	false
<i>ResumeString</i> [<code><String></code>] When multiple responses are needed to return all of the search results to the client, this parameter indicates the last item returned from the server. The value of this parameter would be set using the ResumeString property from the previous set of results. The ResumeString may look like this: "CN=MYUser160,CN=Users,DC=MyDomain,DC=corp"	false	named		false	false
<i>Attributes</i> [<code><String[]></code>] An array of attributes to retrieve specific values. If this parameter is missing, a default list of properties is returned.	false	named		true (ByPropertyName)	false
<i>DRAHostServer</i> [<code><String></code>] The name of the computer running the DRA Host Service. The DRA REST server will send the requested operation to the DRA Host Service running on the specified computer. If this parameter is not specified, then the DRA REST Service will attempt to discover a DRA Host Service to use.	false	named		true (ByPropertyName)	false
<i>DRAHostPort</i> [<code><Int32></code>] The port number of the DRA Host Service. This parameter is only used when the DRAHostServer parameter is also specified. If the DRAHostServer parameter is specified but the DRAHostPort is not, 11192 will be used as the default Host port.	false	named	11192	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRARestServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port number of the DRA REST Service. This parameter is only used when the <i>DRARestServer</i> parameter is also specified. If the <i>DRARestServer</i> parameter is specified but the <i>DRARestPort</i> is not, 8755 will be used as the default REST port.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the <i>InvalidOperation</i> error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: <i>-Force</i> with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<i><Int32></i>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters>					
Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					
NOTE: For more information, type "Get-Help Get-DRAService -detailed". For technical information, type "Get-Help Get-DRAService -full".					

Example 20-1 1

```
PS C:\>Get-DRAService -Domain MyDomain.corp -Identity
"CN=COMPUTER123,CN=Computers,DC=MyDomain,DC=corp"
```

This command example returns a list of service objects that belong to the computer named COMPUTER123 in MyDomain.corp.

Example 20-2 2

```
PS C:\>Get-DRAService -Domain MyDomain.corp -Identity
"CN=COMPUTER123,CN=Computers,DC=MyDomain,DC=corp" -Name "MyService"
```

This command example returns a list of MyService properties on the computer COMPUTER123 in MyDomain.corp.

Resume-DRAService

Synopsis

Resumes a service object.

Syntax

```
Resume-DRAService -Domain <String> -Identifier <String> [-DRAHostServer
<String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort
<Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force
<SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Resume-DRAService cmdlet resumes the requested service. The requesting user must have the Resume Service power.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: mydomain.corp	true	named		true (ByPropertyName)	false
DRAHostServer [<String>] The name of the computer running the DRA Host Service. The DRA REST server will send the requested operation to the DRA Host Service running on the specified computer. If this parameter is not specified, then the DRA REST Service will attempt to discover a DRA Host Service to use.	false	named		true (ByPropertyName)	false
DRAHostPort [<Int32>] The port number of the DRA Host Service. This parameter is only used when the DRAHostServer parameter is also specified. If the DRAHostServer parameter is specified but the DRAHostPort is not, 11192 will be used as the default Host port.	false	named	11192	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRARestServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port number of the DRA REST Service. This parameter is only used when the <i>DRARestServer</i> parameter is also specified. If the <i>DRARestServer</i> parameter is specified but the <i>DRARestPort</i> is not, 8755 will be used as the default REST port.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the <i>InvalidOperation</i> error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: <i>-Force</i> with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<i><Int32></i>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters>					
Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					
NOTE: For more information, type "Get-Help Resume-DRAService -detailed". For technical information, type "Get-Help Resume-DRAService -full".					

Example 20-3 1

```
PS C:\>Resume-DRAService -Domain MyDomain.corp -Identifier
"cn=MyService,CN=COMPUTER123,CN=Computers,DC=MyDomain,DC=corp"
```

This command example resumes the service named MyService. The identifier contains the distinguished name for the service.

Set-DRAService

Synopsis

Updates the properties of the computer service specified by the Identifier parameter.

Syntax

```
Set-DRAService -Domain <String> -Properties <Hashtable> -Identifier
<String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer
<String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Set-DRAService cmdlet modifies the requested service object to a computer. The requesting service must have Modify Service powers for each of the properties sent in the request.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Properties <Hashtable></p> <p>A Hashtable of property values. The key is the name of a defined property in the REST interface. For example: <code>-Properties @{Description="my description";Location="Houston"}</code></p> <p>Multiple values are specified as a comma-separated list. For example: <code>-Properties @{otherTelephones="555-1212","123-4567"}</code></p> <p>If the property name contains non-alphanumeric characters it needs to be quoted. For example: <code>-Properties @"{VA-DRA-VirtualAttribute}=42}</code></p> <p>If the property value contains a quote it needs to be escaped with a backtick (`). For example: <code>-Properties @{Description="my `test` description"}</code></p>	true	named		true (ByPropertyName)	false
<p>Identifier [<String>]</p> <p>The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.</p>	true	named		true (ByPropertyName)	false
<p>Domain <String></p> <p>The domain of the object in FQDN format. For example: <code>mydomain.corp</code></p>	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRAHostServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA Host Service. The DRA REST server will send the requested operation to the DRA Host Service running on the specified computer. If this parameter is not specified, then the DRA REST Service will attempt to discover a DRA Host Service to use.</p>	false	named		true (ByPropertyName)	false
<p><i>DRAHostPort</i> [<i><Int32></i>]</p> <p>The port number of the DRA Host Service. This parameter is only used when the DRAHostServer parameter is also specified. If the DRAHostServer parameter is specified but the DRAHostPort is not, 11192 will be used as the default Host port.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.</p>	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>IgnoreCertificateErrors</i> [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
<i>Force</i> [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
<i>Timeout</i> [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					

NOTE: For more information, type "Get-Help Set-DRAService -detailed". For technical information, type "Get-Help Set-DRAService -full".

Example 20-4 1

```
PS C:\>Set-DRAService -Domain MyDomain.corp -Identifier
"CN=MyService,CN=Computer123,CN=Computers,DC=MyDomain,DC=corp" -Properties
@{StartType=2}
```

In this example, the Set-DRAService cmdlet updates the StartType property on the service "MyService" in MyDomain.corp. The identifier contains the distinguished name for the service.

The StartType property requires a value between 0 and 4:

- 0 BOOT
- 1 SYSTEM
- 2 AUTOMATIC
- 3 MANUAL
- 4 DISABLED

To see the complete list of available properties, perform a Get-DRAService command on the object returned from any DRAService command.

Start-DRAService

Synopsis

Starts a service object.

Syntax

```
Start-DRAService -Domain <String> -Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Start-DRAService cmdlet starts the requested service. The requesting user must have the Start Service power.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: mydomain.corp	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRAHostServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA Host Service. The DRA REST server will send the requested operation to the DRA Host Service running on the specified computer. If this parameter is not specified, then the DRA REST Service will attempt to discover a DRA Host Service to use.</p>	false	named		true (ByPropertyName)	false
<p><i>DRAHostPort</i> [<i><Int32></i>]</p> <p>The port number of the DRA Host Service. This parameter is only used when the DRAHostServer parameter is also specified. If the DRAHostServer parameter is specified but the DRAHostPort is not, 11192 will be used as the default Host port.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARestPort</i> [<i><Int></i>]</p> <p>The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.</p>	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>IgnoreCertificateErrors</i> [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
<i>Force</i> [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
<i>Timeout</i> [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					

NOTE: For more information, type "Get-Help Start-DRAService -detailed". For technical information, type "Get-Help Start-DRAService -full".

Example 20-5 1

```
PS C:\>Start-DRAService -Domain MyDomain.corp -Identifier
"CN=MyService,CN=COMPUTER123,CN=Computers,DC=MyDomain,DC=corp"
```

This command example starts the service named MyService. The identifier contains the distinguished name for the service.

Stop-DRAService

Synopsis

Stops a service object.

.

Syntax

```
Stop-DRAService -Domain <String> -Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Stop-DRAService cmdlet stops the requested service. The requesting user must have the Stop Service power.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>Identifier</i> [<i><String></i>] The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
<i>Domain</i> <i><String></i> The domain of the object in FQDN format. For example: mydomain.corp	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRAHostServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA Host Service. The DRA REST server will send the requested operation to the DRA Host Service running on the specified computer. If this parameter is not specified, then the DRA REST Service will attempt to discover a DRA Host Service to use.</p>	false	named		true (ByPropertyName)	false
<p><i>DRAHostPort</i> [<i><Int32></i>]</p> <p>The port number of the DRA Host Service. This parameter is only used when the DRAHostServer parameter is also specified. If the DRAHostServer parameter is specified but the DRAHostPort is not, 11192 will be used as the default Host port.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.</p>	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>IgnoreCertificateErrors</i> [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
<i>Force</i> [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
<i>Timeout</i> [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					

NOTE: For more information, type "Get-Help Stop-DRAService -detailed". For technical information, type "Get-Help Stop-DRAService -full".

Example 20-6 1

```
PS C:\>Stop-DRAService -Domain MyDomain.corp -Identifier
"CN=MyService,CN=COMPUTER123,CN=Computers,DC=MyDomain,DC=corp"
```

This command example stops the service named MyService. The identifier contains the distinguished name for the service.

Suspend-DRAService

Synopsis

Suspends a service object.

Syntax

```
Suspend-DRAService -Domain <String> -Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Suspend-DRAService cmdlet pauses the requested service. The requesting user must have the Pause Service power.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Identifier [<i><String></i>] The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain < <i>String</i> > The domain of the object in FQDN format. For example: mydomain.corp	true	named		true (ByPropertyName)	false
DRAHostServer [<i><String></i>] The name of the computer running the DRA Host Service. The DRA REST server will send the requested operation to the DRA Host Service running on the specified computer. If this parameter is not specified, then the DRA REST Service will attempt to discover a DRA Host Service to use.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRAHostPort</i> [<Int32>]</p> <p>The port number of the DRA Host Service. This parameter is only used when the DRAHostServer parameter is also specified. If the DRAHostServer parameter is specified but the DRAHostPort is not, 11192 will be used as the default Host port.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<String>]</p> <p>The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARestPort</i> [<Int32>]</p> <p>The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<SwitchParameter>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>Force</i> [<i><SwitchParameter></i>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
<i>Timeout</i> [<i><Int32></i>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					

NOTE: For more information, type "Get-Help Suspend-DRAService -detailed". For technical information, type "Get-Help Suspend-DRAService -full".

Example 20-7 1

```
PS C:\>Suspend-DRAService -Domain MyDomain.corp -Identifier
"CN=MyService,CN=COMPUTER123,CN=Computers,DC=MyDomain,DC=corp"
```

This command example pauses the service named MyService. The identifier contains the distinguished name for the service.

21 Session Commands

This section contains Help information for cmdlets you can execute for computer session objects.

Get-DRASession

Synopsis

Lists the properties of a computer's session object(s).

Syntax

```
Get-DRASession -Domain <String> -Identity <String> [-Name <String>] [-ContainerDN <String>] [-EnforceServerLimit <SwitchParameter>] [-IncludeChildContainers <SwitchParameter>] [-ObjectsPerResponse <Int32>] [-ResumeString <String>] [-Attributes <String[]>] [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

Specify the target computer using the distinguishedName. The Get-DRASession cmdlet returns a list of the session objects. When -Name is specified, returns a list of the session object's properties.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Domain <String> The domain of the object in FQDN format. For example: mydomain.corp	true	named		false	false
Identity [<String>] The distinguished name of an existing computer object. For example: CN=COMPUTER123,CN=Computers,DC=DRDOM123,DC=com	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Name [<String>]</p> <p>The Name parameter specifies the name of a computer resource. For example, "MyShare" for a file share, "MCSAdminSvc" for a service or, "Application" for an event log.</p>	false	named		true (ByPropertyName)	false
<p>ContainerDN [<String>]</p> <p>The full path to the container to search in distinguished name format. For example: - ContainerDN "OU=Accounting,DC=MyDomain,DC=corp"</p>	false	named		false	false
<p>EnforceServerLimit [<SwitchParameter>]</p> <p>A switch parameter to indicate that the search results should be limited by the search result limit on the DRA Server. The typical server limit is 1000 items. The default is true.</p>	false	named		false	false
<p>IncludeChildContainers [<SwitchParameter>]</p> <p>A switch parameter to request that the search include child containers. The default is false: only the container named in the ContainerDN parameter is searched.</p>	false	named		false	false
<p>ObjectsPerResponse [<Nullable`1>]</p> <p>The number of objects to return in a response. The default is 250.</p>	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>ResumeString [<i><String></i>]</p> <p>When multiple responses are needed to return all of the search results to the client, this parameter indicates the last item returned from the server. The value of this parameter would be set using the ResumeString property from the previous set of results. The ResumeString may look like this: "CN=MYUser160,CN=Users,DC=MyDomain,DC=corp"</p>	false	named		false	false
<p>Attributes [<i><String[]></i>]</p> <p>An array of attributes to retrieve specific values. If this parameter is missing, a default list of properties is returned.</p>	false	named		true (ByPropertyName)	false
<p>DRAHostServer [<i><String></i>]</p> <p>The name of the computer running the DRA Host Service. The DRA REST server will send the requested operation to the DRA Host Service running on the specified computer. If this parameter is not specified, then the DRA REST Service will attempt to discover a DRA Host Service to use.</p>	false	named		true (ByPropertyName)	false
<p>DRAHostPort [<i><Int32></i>]</p> <p>The port number of the DRA Host Service. This parameter is only used when the DRAHostServer parameter is also specified. If the DRAHostServer parameter is specified but the DRAHostPort is not, 11192 will be used as the default Host port.</p>	false	named	11192	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRARestServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port number of the DRA REST Service. This parameter is only used when the <i>DRARestServer</i> parameter is also specified. If the <i>DRARestServer</i> parameter is specified but the <i>DRARestPort</i> is not, 8755 will be used as the default REST port.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the <i>InvalidOperation</i> error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: <i>-Force</i> with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<i><Int32></i>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters>					
Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					
NOTE: For more information, type "Get-Help Get-DRASession -detailed". For technical information, type "Get-Help Get-DRASession -full".					

Example 21-1 1

```
PS C:\>Get-DRASession -Domain MyDomain.corp -Identity
"CN=COMPUTER123,CN=Computers,DC=MyDomain,DC=corp"
```

This command example returns a list of session objects that belong to the computer named COMPUTER123 in MyDomain.corp.

Example 21-2 2

```
PS C:\>Get-DRASession -Domain MyDomain.corp -Identity
"CN=COMPUTER123,CN=Computers,DC=MyDomain,DC=corp" -Name "MySession"
```

This command example returns a list of MySession properties on the computer COMPUTER123 in MyDomain.corp.

Remove-DRASession

Synopsis

Removes a session object.

Syntax

```
Remove-DRASession -Domain <String> -Identifier <String> [-DRAHostServer
<String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort
<Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force
<SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Remove-DRASession cmdlet removes the requested session. The requesting user must have the Modify WTS Session Properties power.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Identifier [<i><String></i>] The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <i><String></i> The domain of the object in FQDN format. For example: mydomain.corp	true	named		true (ByPropertyName)	false
DRAHostServer [<i><String></i>] The name of the computer running the DRA Host Service. The DRA REST server will send the requested operation to the DRA Host Service running on the specified computer. If this parameter is not specified, then the DRA REST Service will attempt to discover a DRA Host Service to use.	false	named		true (ByPropertyName)	false
DRAHostPort [<i><Int32></i>] The port number of the DRA Host Service. This parameter is only used when the DRAHostServer parameter is also specified. If the DRAHostServer parameter is specified but the DRAHostPort is not, 11192 will be used as the default Host port.	false	named	11192	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRARestServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port number of the DRA REST Service. This parameter is only used when the <i>DRARestServer</i> parameter is also specified. If the <i>DRARestServer</i> parameter is specified but the <i>DRARestPort</i> is not, 8755 will be used as the default REST port.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the <i>InvalidOperation</i> error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: <i>-Force</i> with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<i><Int32></i>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?

<CommonParameters>

Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see [About CommonParameters \(http://go.microsoft.com/fwlink/?LinkID=113216\)](http://go.microsoft.com/fwlink/?LinkID=113216).

NOTE: For more information, type "Get-Help Remove-DRASession -detailed". For technical information, type "Get-Help Remove-DRASession -full".

Example 21-3 1

```
PS C:\>Remove-DRASession -Domain MyDomain.corp -Identifier
"CN=MySession,CN=COMPUTER123,CN=Computers,DC=MyDomain,DC=corp"
```

This command example removes the session named MySession. The identifier contains the distinguished name for the session.

22 Share Commands

This section contains Help information for cmdlets you can execute for the objects that are shared.

Copy-DRAShare

Synopsis

Copies an existing share's properties to a new share.

Syntax

```
Copy-DRAShare -Domain <String> -Container <String> -Properties <Hashtable>
-Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Copy-DRAShare cmdlet copies an existing share's properties to a new share. The values provided in the -Properties parameter will overwrite the values provided by the existing share. You must supply the new share's NetName and Path properties. See the New-DRAShare cmdlet for examples of how to define the new share. The response contains the string generated by the server.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Container <String> The distinguished name of an existing Active Directory object.	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Properties <Hashtable></p> <p>A Hashtable of property values. The key is the name of a defined property in the REST interface. For example: <code>-Properties @{Description="my description";Location="Houston"}</code></p> <p>Multiple values are specified as a comma-separated list.</p> <p>For example: <code>-Properties @{otherTelephones="555-1212", "123-4567"}</code></p> <p>If the property value contains a quote it needs to be escaped with a backtick (`).</p> <p>For example: <code>-Properties @{Description="my `test` description"}</code></p>	true	named		true (ByPropertyName)	false
<p>Identifier [<String>]</p> <p>The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.</p>	true	named		true (ByPropertyName)	false
<p>Domain [<String>]</p> <p>The domain of the object in FQDN format. For example: <code>mydomain.corp</code></p>	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRAHostServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA Host Service. The DRA REST server will send the requested operation to the DRA Host Service running on the specified computer. If this parameter is not specified, then the DRA REST Service will attempt to discover a DRA Host Service to use.</p>	false	named		true (ByPropertyName)	false
<p><i>DRAHostPort</i> [<i><Int32></i>]</p> <p>The port number of the DRA Host Service. This parameter is only used when the DRAHostServer parameter is also specified. If the DRAHostServer parameter is specified but the DRAHostPort is not, 11192 will be used as the default Host port.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.</p>	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>IgnoreCertificateErrors</i> [<SwitchParameter>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<SwitchParameter>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<Int32>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	true (ByPropertyName)	false
<p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					
<p>NOTE: For more information, type "Get-Help Copy-DRAShare -detailed". For technical information, type "Get-Help Copy-DRAShare -full".</p>					

Example 22-1 1

```
PS C:\>Copy-DRAShare -Identifier
"CN=MyShare,CN=COMPUTER123,CN=Computers,DC=MyDomain,DC=corp" -Container
"CN=COMPUTER234,CN=Computers,DC=drdom555,DC=com" -Properties
@{NetName="NewMyShare";Path="C:\NewMyShare"} -domain MyDomain.corp
```

This command example will copy the properties of share named MyShare from the COMPUTER123 in MyDomain.corp to a new share named NewMyShare on the computer COMPUTER234 in MyDomain.corp. The properties of NewMyShare will be the same as the properties of MyShare except the NetName and Path properties.

Get-DRAShare

Synopsis

Lists the properties of a computer's share object(s).

Syntax

```
Get-DRAShare -Domain <String> -Identity <String> [-Name <String>] [-ContainerDN <String>] [-EnforceServerLimit <SwitchParameter>] [-IncludeChildContainers <SwitchParameter>] [-ObjectsPerResponse <Int32>] [-ResumeString <String>] [-Attributes <String[]>] [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

Specify the target computer using the distinguishedName. The Get-DRAShare cmdlet returns a list of the share objects. When -Name is specified, returns a list of the share's properties.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Domain <String> The domain of the object in FQDN format. For example: mydomain.corp	true	named		false	false
Identity [<String>] The distinguished name of an existing computer object. For example: CN=COMPUTER123,CN=Computers,DC=DRDOM123,DC=com	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Name [<String>]</p> <p>The Name parameter specifies the name of a computer resource. For example, "MyShare" for a file share, "MCSAdminSvc" for a service or, "Application" for an event log.</p>	false	named		true (ByPropertyName)	false
<p>ContainerDN [<String>]</p> <p>The full path to the container to search in distinguished name format. For example: - ContainerDN "OU=Accounting,DC=MyDomain,DC=corp"</p>	false	named		false	false
<p>EnforceServerLimit [<SwitchParameter>]</p> <p>A switch parameter to indicate that the search results should be limited by the search result limit on the DRA Server. The typical server limit is 1000 items. The default is true.</p>	false	named		false	false
<p>IncludeChildContainers [<SwitchParameter>]</p> <p>A switch parameter to request that the search include child containers. The default is false: only the container named in the ContainerDN parameter is searched.</p>	false	named		false	false
<p>ObjectsPerResponse [<Nullable`1>]</p> <p>The number of objects to return in a response. The default is 250.</p>	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>ResumeString [<i><String></i>]</p> <p>When multiple responses are needed to return all of the search results to the client, this parameter indicates the last item returned from the server. The value of this parameter would be set using the ResumeString property from the previous set of results. The ResumeString may look like this: "CN=MYUser160,CN=Users,DC=MyDomain,DC=corp"</p>	false	named		false	false
<p>Attributes [<i><String[]></i>]</p> <p>An array of attributes to retrieve specific values. If this parameter is missing, a default list of properties is returned.</p>	false	named		true (ByPropertyName)	false
<p>DRAHostServer [<i><String></i>]</p> <p>The name of the computer running the DRA Host Service. The DRA REST server will send the requested operation to the DRA Host Service running on the specified computer. If this parameter is not specified, then the DRA REST Service will attempt to discover a DRA Host Service to use.</p>	false	named		true (ByPropertyName)	false
<p>DRAHostPort [<i><Int32></i>]</p> <p>The port number of the DRA Host Service. This parameter is only used when the DRAHostServer parameter is also specified. If the DRAHostServer parameter is specified but the DRAHostPort is not, 11192 will be used as the default Host port.</p>	false	named	11192	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRARestServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port number of the DRA REST Service. This parameter is only used when the <i>DRARestServer</i> parameter is also specified. If the <i>DRARestServer</i> parameter is specified but the <i>DRARestPort</i> is not, 8755 will be used as the default REST port.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the <i>InvalidOperation</i> error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: <i>-Force</i> with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<i><Int32></i>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters>					
Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					
NOTE: For more information, type "Get-Help Get-DRAShare -detailed". For technical information, type "Get-Help Get-DRAShare -full".					

Example 22-2 1

```
PS C:\>Get-DRAShare -Domain MyDomain.corp -Identity
"CN=COMPUTER123,CN=Computers,DC=MyDomain,DC=corp"
```

This command example returns a list of share objects that belong to the computer named COMPUTER123 in MyDomain.corp.

Example 22-3 2

```
PS C:\>Get-DRAShare -Domain MyDomain.corp -Identity
"CN=COMPUTER123,CN=Computers,DC=MyDomain,DC=corp" -Name "MyShare"
```

This command example returns a list of MyShare properties on the computer COMPUTER123 in MyDomain.corp.

New-DRAShare

Synopsis

Adds a new share object to a computer

Syntax

```
New-DRAShare -Domain <String> -Properties <Hashtable> -Identifier <String>
[-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>]
[-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-
Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The New-DRAShare cmdlet adds a share object to a computer. The requesting user must have the Create Share power. To see the complete list of available properties, perform a Get-Member command on the object returned from any DRAShare command.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Properties <Hashtable></p> <p>A Hashtable of property values. The key is the name of a defined property in the REST interface. For example: <code>-Properties @{Description="my description";Location="Houston"}</code></p> <p>Multiple values are specified as a comma-separated list. For example: <code>-Properties @{otherTelephones="555-1212", "123-4567"}</code></p> <p>If the property name contains non-alphanumeric characters it needs to be quoted. For example: <code>-Properties @"VA-DRA-VirtualAttribute"=42}</code></p> <p>If the property value contains a quote it needs to be escaped with a backtick (`). For example: <code>-Properties @{Description="my `test` description"}</code></p>	true	named		true (ByPropertyName)	false
<p>Identifier <String></p> <p>The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.</p>	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Domain <String></p> <p>The domain of the object in FQDN format. For example: mydomain.corp</p>	true	named		true (ByPropertyName)	false
<p>DRAHostServer [<String>]</p> <p>The name of the computer running the DRA Host Service. The DRA REST server will send the requested operation to the DRA Host Service running on the specified computer. If this parameter is not specified, then the DRA REST Service will attempt to discover a DRA Host Service to use.</p>	false	named		true (ByPropertyName)	false
<p>DRAHostPort [<Int32>]</p> <p>The port number of the DRA Host Service. This parameter is only used when the DRAHostServer parameter is also specified. If the DRAHostServer parameter is specified but the DRAHostPort is not, 11192 will be used as the default Host port.</p>	false	named	11192	true (ByPropertyName)	false
<p>DRARestServer [<String>]</p> <p>The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.</p>	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRARestPort</i> [<i><Int></i>]</p> <p>The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<i><Int32></i>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	true (ByPropertyName)	false
<p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					

NOTE: For more information, type "Get-Help New-DRAShare -detailed". For technical information, type "Get-Help New-DRAShare -full".

Example 22-4 1

```
PS C:\>New-DRAShare -Domain MyDomain.corp -Identifier
"CN=COMPUTER123,CN=Computers,DC=MyDomain,DC=corp" -Properties
@{MaxUsers=99;NetName="MyShare";Path="C:\MyShare";Remark="Comment for
MyShare";Type="0" }
```

This command example creates a share named MyShare for COMPUTER123. NetName and Path are required properties.

Remove-DRAShare

Synopsis

Removes a share object.

Syntax

```
Remove-DRAShare -Domain <String> -Identifier <String> [-DRAHostServer
<String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort
<Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force
<SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Remove-DRAShare cmdlet deletes the requested share. The requesting user must have the Delete Share power.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>Identifier</i> [<i><String></i>]	true	named		true (ByPropertyName)	false
The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.					

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Domain <String></p> <p>The domain of the object in FQDN format. For example: mydomain.corp</p>	true	named		true (ByPropertyName)	false
<p>DRAHostServer [<String>]</p> <p>The name of the computer running the DRA Host Service. The DRA REST server will send the requested operation to the DRA Host Service running on the specified computer. If this parameter is not specified, then the DRA REST Service will attempt to discover a DRA Host Service to use.</p>	false	named		true (ByPropertyName)	false
<p>DRAHostPort [<Int32>]</p> <p>The port number of the DRA Host Service. This parameter is only used when the DRAHostServer parameter is also specified. If the DRAHostServer parameter is specified but the DRAHostPort is not, 11192 will be used as the default Host port.</p>	false	named	11192	true (ByPropertyName)	false
<p>DRARestServer [<String>]</p> <p>The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.</p>	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<i><Int32></i>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	true (ByPropertyName)	false
<p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					

NOTE: For more information, type "Get-Help Remove-DRAShare -detailed". For technical information, type "Get-Help Remove-DRAShare -full".

Example 22-5 1

```
PS C:\>Remove-DRAShare -Domain MyDomain.corp -Identifier  
"CN=MyShare,CN=COMPUTER123,CN=Computers,DC=MyDomain,DC=corp"
```

This command example deletes the share named MyShare. The identifier contains the distinguished name for the share.

Set-DRAShare

Synopsis

Updates the properties of the computer share specified by the Identifier parameter.

Syntax

```
Set-DRAShare -Domain <String> -Properties <Hashtable> -Identifier <String>  
[-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>]  
[-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-  
Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Set-DRAShare cmdlet modifies the requested share object to a computer. The requesting share must have Modify Share powers for each of the properties sent in the request.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Properties <Hashtable></p> <p>A Hashtable of property values. The key is the name of a defined property in the REST interface. For example: <code>-Properties @{Description="my description";Location="Houston"}</code></p> <p>Multiple values are specified as a comma-separated list. For example: <code>-Properties @{otherTelephones="555-1212","123-4567"}</code></p> <p>If the property name contains non-alphanumeric characters it needs to be quoted. For example: <code>-Properties @"{VA-DRA-VirtualAttribute}=42}</code></p> <p>If the property value contains a quote it needs to be escaped with a backtick (`). For example: <code>-Properties @{Description="my `test` description"}</code></p>	true	named		true (ByPropertyName)	false
<p>Identifier [<String>]</p> <p>The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.</p>	true	named		true (ByPropertyName)	false
<p>Domain <String></p> <p>The domain of the object in FQDN format. For example: <code>mydomain.corp</code></p>	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRAHostServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA Host Service. The DRA REST server will send the requested operation to the DRA Host Service running on the specified computer. If this parameter is not specified, then the DRA REST Service will attempt to discover a DRA Host Service to use.</p>	false	named		true (ByPropertyName)	false
<p><i>DRAHostPort</i> [<i><Int32></i>]</p> <p>The port number of the DRA Host Service. This parameter is only used when the DRAHostServer parameter is also specified. If the DRAHostServer parameter is specified but the DRAHostPort is not, 11192 will be used as the default Host port.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.</p>	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>IgnoreCertificateErrors</i> [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
<i>Force</i> [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
<i>Timeout</i> [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					
NOTE: For more information, type "Get-Help Set-DRAShare -detailed". For technical information, type "Get-Help Set-DRAShare -full".					

Example 22-6 1

```
PS C:\>Set-DRAShare -Domain MyDomain.corp -Identifier
"CN=MyShare,CN=Computer123,CN=Computers,DC=MyDomain,DC=corp" -Properties
@{NetName="MyShare";Path="C:\MyShare";Remark="Comment for MyShare"}
```

This command example updates some properties on the share MyShare in MyDomain.corp. The identifier contains the distinguished name for the share. To see the complete list of available properties, perform a Get-DRAShare command on the object returned from any DRAShare command.

23 Shared Mailbox Commands

This section contains cmdlets you can execute for Shared Mailbox.

Add-DRASharedMailbox

Synopsis

Adds a shared mailbox to an Active Directory domain

Syntax

```
Add-DRASharedMailbox -Properties <Hashtable> -Domain <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Add-DRASharedMailbox cmdlet adds a shared mailbox to a domain managed by DRA. The requesting user must have the Create Shared Mailbox power. To see the complete list of available properties, perform a Get-Member command on the object returned from any DRASharedMailbox command.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Properties <Hashtable></p> <p>A Hashtable of property values. The key is the name of a defined property in the REST interface.</p> <p>For example: <code>-Properties @ {Description="my description";Location="Houston" }</code></p> <p>Multiple values are specified as a comma-separated list.</p> <p>For example: <code>-Properties @ {otherTelephones="555-1212" ,"123-4567" }</code></p> <p>If the property name contains non-alphanumeric characters it needs to be quoted.</p> <p>For example: <code>-Properties @ { "VA-DRA-VirtualAttribute"=42 }</code></p> <p>If the property value contains a quote it needs to be escaped with a backtick (`).</p> <p>For example: <code>-Properties @ {Description="my `test` description" }</code></p>	true	named		true (ByPropertyName)	false
<p>Domain [<String>]</p> <p>The domain of the object in FQDN format. For example: <code>mydomain.corp</code></p>	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRAHostServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA Host Service. The DRA REST server will send the requested operation to the DRA Host Service running on the specified computer. If this parameter is not specified, then the DRA REST Service will attempt to discover a DRA Host Service to use.</p>	false	named		true (ByPropertyName)	false
<p><i>DRAHostPort</i> [<i><Int32></i>]</p> <p>The port number of the DRA Host Service. This parameter is only used when the DRAHostServer parameter is also specified. If the DRAHostServer parameter is specified but the DRAHostPort is not, 11192 will be used as the default Host port.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.</p>	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>IgnoreCertificateErrors</i> [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
<i>Force</i> [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
<i>Timeout</i> [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					
NOTE: For more information, type "Get-Help Add-DRASharedMailbox -detailed". For technical information, type "Get-Help Add-DRASharedMailbox -full".					

Example 23-1 1

```
PS C:\>Add-DRASharedMailbox -Domain MyDomain.corp -Properties @{Name="Tech
Support Shared
Mailbox";Alias="techSupport";Container="OU=TechSupport,DC=MyDomain,DC=corp
";MailboxStore="LDAP://MDOMAIN.CORP/CN=etc." }
```

This example creates a shared mailbox named 'Tech Support Shared Mailbox' in Active Directory using the DRA Name, Alias, and MailboxStore properties. The shared mailbox will be created in the domain MyDomain.corp under the TechSupport OU. There are three properties set on this shared mailbox: Name, Alias and MailboxStore.

Copy-DRASharedMailbox

Synopsis

Copies an existing shared mailbox to a new shared mailbox.

Syntax

```
Copy-DRASharedMailbox -Domain <String> -Properties <Hashtable> -Identifier  
<String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer  
<String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors  
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]  
[<CommonParameters>]
```

Description

The Copy-DRASharedMailbox cmdlet copies an existing shared mailbox to a new shared mailbox. The values provided in the -Properties parameter will overwrite the values provided by the existing shared mailbox. You must supply the name property to give the new shared mailbox a different name and also supply other required properties, the container, mailboxStore, and mailNickname. The response contains the string generated by the server.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Properties <Hashtable></p> <p>A Hashtable of property values. The key is the name of a defined property in the REST interface.</p> <p>For example: <code>-Properties @{Description="my description";Location="Houston"}</code></p> <p>Multiple values are specified as a comma-separated list.</p> <p>For example: <code>-Properties @{otherTelephones="555-1212","123-4567"}</code></p> <p>If the property name contains non-alphanumeric characters it needs to be quoted.</p> <p>For example: <code>-Properties @{ "VA-DRA-VirtualAttribute"=42}</code></p> <p>If the property value contains a quote it needs to be escaped with a backtick (`).</p> <p>For example: <code>-Properties @{Description="my `test` description"}</code></p>	true	named		true (ByPropertyName)	false
<p>Identifier [<String>]</p> <p>The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.</p>	true	named		true (ByPropertyName)	false
<p>Domain [<String>]</p> <p>The domain of the object in FQDN format. For example: <code>mydomain.corp</code></p>	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRAHostServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA Host Service. The DRA REST server will send the requested operation to the DRA Host Service running on the specified computer. If this parameter is not specified, then the DRA REST Service will attempt to discover a DRA Host Service to use.</p>	false	named		true (ByPropertyName)	false
<p><i>DRAHostPort</i> [<i><Int32></i>]</p> <p>The port number of the DRA Host Service. This parameter is only used when the DRAHostServer parameter is also specified. If the DRAHostServer parameter is specified but the DRAHostPort is not, 11192 will be used as the default Host port.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.</p>	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>IgnoreCertificateErrors</i> [<SwitchParameter>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<SwitchParameter>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<Int32>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	true (ByPropertyName)	false
<p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					
<p>NOTE: For more information, type "Get-Help Copy-DRASharedMailbox -detailed". For technical information, type "Get-Help Copy-DRASharedMailbox -full".</p>					

Example 23-2 1

```
PS C:\>Copy-DRASharedMailbox -Identifier
"CN=SMBsource,OU=Accounting,DC=MyDomain,DC=corp" -Properties
@{Name="NewSMB";MailboxStore="LDAP://CN=Mailbox Database
0565232367,CN=Databases,CN=Exchange Administrative Group
(FYDIBOHF23SPDLT),CN=Administrative Groups,CN=First,CN=Microsoft
Exchange,CN=Services,CN=Configuration,DC=MyDomain,DC=corp";MailNickname
"NewSMB";Container="OU=TempCon,DC=MyDomain,DC=CORP"} -domain MyDomain.corp
```

This example will copy the shared mailbox named SMBsource to a new shared mailbox named NewSMB. Except for the name, the properties of NewSMB will be the same as the properties of SMBsource.

Get-DRASharedMailbox

Synopsis

Gets information about the Active Directory Shared Mailbox account specified by the Identifier parameter.

Syntax

```
Get-DRASharedMailbox -Domain <String> [-Attributes <String[]>] [-
PowersForOperations <String[]>] [-VisiblePropertiesOnly <SwitchParameter>]
-Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Get-DRASharedMailbox cmdlet returns the properties of the requested shared mailbox account managed by DRA. The requesting user must have the View All Shared Mailbox Properties power. You can view the default list of properties or specify specific properties. See the examples for information on how to view specific properties.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Attributes [-<String[]>] An array of attributes to retrieve specific values. If this parameter is missing, a default list of properties is returned.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>PowersForOperations</i> [<String[]>] An array of DRA operation names for which you want the server to return read/write permission information. This parameter is typically used by a UI-based client to hide or disable elements the calling user doesn't have powers for.	false	named		true (ByPropertyName)	false
<i>VisiblePropertiesOnly</i> [<SwitchParameter>] A flag to indicate whether DRA should return only properties the caller has powers to view. By default DRA will return an error if the caller requests a property that they do not have powers to view, by specifying this flag DRA is instructed to not return an error and instead just not return a value for such properties.	false	named		false	false
<i>Identifier</i> [<String>] The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
<i>Domain</i> [<String>] The domain of the object in FQDN format. For example: mydomain.corp	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRAHostServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA Host Service. The DRA REST server will send the requested operation to the DRA Host Service running on the specified computer. If this parameter is not specified, then the DRA REST Service will attempt to discover a DRA Host Service to use.</p>	false	named		true (ByPropertyName)	false
<p><i>DRAHostPort</i> [<i><Int32></i>]</p> <p>The port number of the DRA Host Service. This parameter is only used when the DRAHostServer parameter is also specified. If the DRAHostServer parameter is specified but the DRAHostPort is not, 11192 will be used as the default Host port.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.</p>	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>IgnoreCertificateErrors</i> [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
<i>Force</i> [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
<i>Timeout</i> [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					

NOTE: For more information, type "Get-Help Get-DRASharedMailbox -detailed". For technical information, type "Get-Help Get-DRASharedMailbox -full".

Example 23-3 1

```
PS C:\>Get-DRASharedMailbox -Domain MyDomain.corp -Identifier "SMB_123" -
Attributes
"Description", "DisplayName", Mail, "MailNickname", "DistinguishedName", "Frie
ndlyPath", "FriendlyParentPath", "FriendlyName", "IsDisabled", "SamAccountName
", "TrustedForDelegation", "ObjectCategory"
```

This example requests the properties of the shared mailbox named SMB_123 in MyDomain.corp. The Attributes parameter specifies what properties to return. When the Attributes parameter is not present, a default list of properties will be returned.

Example 23-4 2

```
PS C:\>Get-DRASharedMailbox -Domain MyDomain.corp -Identifier "SMB_123"
```

This example requests the properties of the shared mailbox named SMB_123 in MyDomain.corp. The identifier shows the name for the shared mailbox. When the name is used, the REST endpoint will first ask the DRA Server for the distinguished name and then request the properties for that shared mailbox.

Example 23-5 3

```
PS C:\>Get-DRASharedMailbox -Domain MyDomain.corp -Identifier  
"CN=SMB_123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example requests the properties of the shared mailbox named SMB_123 in MyDomain.corp. The identifier shows the distinguished name for the Shared mailbox. The returned object will have a default list of properties.

Remove-DRASharedMailbox

Synopsis

Removes the shared mailbox specified by the Identifier parameter.

Syntax

```
Remove-DRASharedMailbox -Domain <String> -Identifier <String> [-  
DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-  
DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force  
<SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Remove-DRASharedMailbox cmdlet deletes the specified account. The requesting user must have the Delete Shared Mailbox power. If the Recycle Bin is enabled, the specified account is moved to the Recycle Bin.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Identifier [<code><String></code>]</p> <p>The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.</p>	true	named		true (ByPropertyName)	false
<p>Domain [<code><String></code>]</p> <p>The domain of the object in FQDN format. For example: <code>mydomain.corp</code></p>	true	named		true (ByPropertyName)	false
<p>DRAHostServer [<code><String></code>]</p> <p>The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p>DRAHostPort [<code><Int32></code>]</p> <p>The port number of the DRA Host Service. This parameter is only used when the DRAHostServer parameter is also specified. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p>DRARestServer [<code><String></code>]</p> <p>The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<i><Int32></i>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	true (ByPropertyName)	false
<p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					

NOTE: For more information, type "Get-Help get-help Remove-DRASharedMailbox -detailed". For technical information, type "Get-Help get-help Remove-DRASharedMailbox -full".

Example 23-6 1

```
PS C:\>Remove-DRASharedMailbox -Domain MyDom.corp -Identifier  
"CN=SMB_123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example deletes the shared mailbox named SMB_123 from MyDomain.corp. The identifier contains the distinguished name for the shared mailbox. If the Recycle Bin is enabled, the shared mailbox is moved to the Recycle Bin. Otherwise, it is removed permanently.

Example 23-7 2

```
PS C:\>Remove-DRASharedMailbox -Domain MyDom.corp -Identifier  
"CN=SMB_X,OU=NetIQRecycleBin,DC=MyDomain,DC=corp"
```

This example deletes the shared mailbox named SMB_X from the DRA Recycle Bin, removing it permanently from Active Directory.

Restore-DRASharedMailbox

Synopsis

Restores the specified shared mailbox from the Recycle Bin.

Syntax

```
Restore-DRASharedMailbox -Domain <String> [-DomainController <String>] [-  
RestoreToContainer <String>] -Identifier <String> [-DRAHostServer  
<String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort  
<Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force  
<SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Restore-DRASharedMailbox cmdlet will restore a previously deleted shared mailbox from the Recycle Bin to its original container or to a new specified container. Supported formats for the identifier are name, friendly name, and distinguished name. If the full path is specified, it must point to the Recycle Bin (NetIQRecycleBin).

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DomainController</i> [<String>]</p> <p>The computer name of a specific domain controller to use for the request.</p>	false	named		true (ByPropertyName)	false
<p><i>RestoreToContainer</i> [<String>]</p> <p>The distinguished name of the container to which you want to restore the object. If this parameter is not specified, DRA will attempt to restore the object to its original container.</p>	false	named		true (ByPropertyName)	false
<p><i>Identifier</i> [<String>]</p> <p>The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.</p>	true	named		true (ByPropertyName)	false
<p><i>Domain</i> [<String>]</p> <p>The domain of the object in FQDN format. For example: <code>mydomain.corp</code></p>	true	named		true (ByPropertyName)	false
<p><i>DRAHostServer</i> [<String>]</p> <p>The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRAHostPort</i> [<Int32>]</p> <p>The port number of the DRA Host Service. This parameter is only used when the DRAHostServer parameter is also specified. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>DRARestServer</i> [<i><String></i>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRARestPort</i> [<i><Int32></i>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
<i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
<i>Force</i> [<i><SwitchParameter></i>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
<i>Timeout</i> [<i><Int32></i>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters>					
Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					
NOTE: For more information, type "Get-Help Restore-DRASharedMailbox -detailed". For technical information, type "Get-Help Restore-DRASharedMailbox -full".					

Example 23-8 1

```
PS C:\>Restore-DRASharedMailbox -Identifier
"CN=MySMB88,OU=NetIQRecycleBin,DC=MyDomain,DC=corp" -Domain MyDom.corp
```

This example will restore a shared mailbox named MySMB88 from the NetIQRecycleBin in MyDom.corp. It will be restored to the container from which it was deleted.

Example 23-9 2

```
PS C:\>Restore-DRASharedMailbox -Identifier
"CN=MySMB88,OU=NetIQRecycleBin,DC=MyDomain,DC=corp" -RestoreToContainer
"OU=TempCon,DC=MyDomain,DC=CORP" -domain MyDomain.corp
```

This example will restore a shared mailbox named MySMB88 from the NetIQRecycleBin in MyDomain.corp. It will be restored to the container named TempCon in MyDomain.corp.

Set-DRAShared

Synopsis

Updates the properties of the shared account specified by the Identifier parameter.

Syntax

```
Set-DRASharedMailbox -Domain <String> -Properties <Hashtable> -Identifier
<String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer
<String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Set-DRAShared cmdlet modifies the requested shared account. The requesting shared account must have Modify Shared properties powers for each of the properties sent in the request.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>Properties</i> <Hashtable> A Hashtable of property values. The key is the name of a defined property in the REST interface. For example: <code>-Properties @{"Description"="my description";Location="Houston"}</code> Multiple values are specified as a comma-separated list. For example: <code>-Properties @{"otherTelephones"="555-1212","123-4567"}</code> If the property name contains non-alphanumeric characters it needs to be quoted. For example: <code>-Properties @{"VA-DRA-VirtualAttribute"=42}</code> If the property value contains a quote it needs to be escaped with a backtick (`). For example: <code>-Properties @{"Description"="my `test`" description"}</code>	true	named		true (ByPropertyName)	false
<i>Identifier</i> [<String>] The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Domain [<String>]</p> <p>The domain of the object in FQDN format. For example: mydomain.corp</p>	true	named		true (ByPropertyName)	false
<p>DRAHostServer [<String>]</p> <p>The name of the computer running the DRA Host Service. The DRA REST server will send the requested operation to the DRA Host Service running on the specified computer. If this parameter is not specified, then the DRA REST Service will attempt to discover a DRA Host Service to use.</p>	false	named		true (ByPropertyName)	false
<p>DRAHostPort [<Int32>]</p> <p>The port number of the DRA Host Service. This parameter is only used when the DRAHostServer parameter is also specified. If the DRAHostServer parameter is specified but the DRAHostPort is not, 11192 will be used as the default Host port.</p>	false	named	11192	true (ByPropertyName)	false
<p>DRARestServer [<String>]</p> <p>The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.</p>	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<i><Int32></i>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	true (ByPropertyName)	false
<p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					

NOTE: For more information, type "Get-Help Set-DRASharedMailbox -detailed". For technical information, type "Get-Help Set-DRASharedMailbox -full".

Example 23-10 1

```
PS C:\>Set-DRAShared -Domain MyDomain.corp -Identifier "SMB_123" -
Properties
@{Manager=CN=George,CN=Shareads,DC=MYDOMAIN,DC=corp";Description="updated
description";TrustedForDelegation=$true;location="Houston" }
```

This example updates some of the properties of the share SMB_123 in MyDomain.corp. The Identifier specifies the name of the shared account. When the identifier format is the name, the REST endpoint will contact the DRA Server to resolve the name to the full distinguished name.

Example 23-11 2

```
PS C:\>Set-DRAShared -Domain MyDomain.corp -Identifier
"CN=SMB_123,OU=Accounting,DC=MyDomain,DC=corp" -Properties
@{Manager="CN=George,CN=Shareads,DC=MYDOMAIN,DC=corp" }
```

This example updates some of the properties of the share SMB_123 in MyDomain.corp. The identifier contains the distinguished name for the shared account. The Manager property is updated. To see the complete list of available properties, perform a Get-Member command on the object returned from any DRAShared command.

24 Skype for Business Commands

This section contains cmdlets you can execute for Shared Mailbox.

Get-DraCsAudioConferencingProvider

Synopsis

Returns information on the audio conferencing providers configured in Skype for Business Online.

Syntax

```
Get-DraCsAudioConferencingProvider -DraIdentity <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Get-DraCsAudioConferencingProvider cmdlet returns the name and domain for each audio conferencing provider configured in Skype for Business Online. The cmdlet uses the identity of a user licensed for Skype for Business Online to identify the Azure tenant managed by DRA and to query for audio conferencing providers.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>DraIdentity</i> <String> The unique identifier of a user licensed for Skype for Business Online. The identity can be specified as the distinguished name, LDAP path, or OnePoint path.	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>DRAHostServer</i> [<String>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRAHostPort</i> [<Int32>] The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.	false	named	11192	true (ByPropertyName)	false
<i>DRARestServer</i> [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRARestPort</i> [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
<i>IgnoreCertificateErrors</i> [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
<i>Force</i> [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Timeout [<i><Int32></i>]	false	named	100 seconds	false	false
<p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p> <p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					

NOTE: For more information, type "Get-Help Get-DraCsAudioConferencingProvider -detailed". For technical information, type "Get-Help Get-DraCsAudioConferencingProvider -full".

Example 24-1 1

```
PS C:\>Get-DraCsAudioConferencingProvider -DraIdentity "CN=Bob Jones,OU=Accounting,DC=MyDomain,DC=corp"
```

This example returns the list of audio conferencing providers configured in Skype for Business Online.

Get-DraCsOnlineUser

Synopsis

Gets information about a user that has been licensed for Skype for Business Online.

Syntax

```
Get-DraCsOnlineUser -Domain <String> -Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The `Get-DraCsOnlineUser` cmdlet returns the Skype for Business Online conferencing policy and external access policy that are configured for a specified user.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Identifier <String></p> <p>The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.</p>	true	named		true (ByPropertyName)	false
<p>Domain <String></p> <p>The domain of the object in fqdn format. For example: mydomain.corp</p>	true	named		true (ByPropertyName)	false
<p>DRAHostServer [<String>]</p> <p>The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p>DRAHostPort [<Int32>]</p> <p>The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p>DRARestServer [<String>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>DRARestPort</i> [<i><Int32></i>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
<i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
<i>Force</i> [<i><SwitchParameter></i>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
<i>Timeout</i> [<i><Int32></i>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	false	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					

NOTE: For more information, type "Get-Help Get-DraCsOnlineUser -detailed". For technical information, type "Get-Help Get-DraCsOnlineUser -full".

Example 24-2 1

```
PS C:\>Get-DraCsOnlineUser -Domain MyDomain.corp -Identifier "CN=Bob Jones,OU=Accounting,DC=MyDomain,DC=corp"
```

This example returns the Skype for Business Online conferencing policy and external access policy for the user Bob Jones.

Get-DraCsUserAcp

Synopsis

Gets information about the Skype for Business Online audio conferencing provider assigned to a user.

Syntax

```
Get-DraCsUserAcp -Domain <String> -Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The `Get-DraCsUserAcp` cmdlet returns information on the Skype for Business Online audio conferencing provider that is configured for a specified user.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: mydomain.corp	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>DRAHostServer</i> [<String>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRAHostPort</i> [<Int32>] The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.	false	named	11192	true (ByPropertyName)	false
<i>DRARestServer</i> [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRARestPort</i> [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
<i>IgnoreCertificateErrors</i> [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
<i>Force</i> [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Timeout [<i><Int32></i>]	false	named	100 seconds	false	false
<p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p> <p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					
<p>NOTE: For more information, type "Get-Help Get-DraCsUserAcp -detailed". For technical information, type "Get-Help Get-DraCsUserAcp -full".</p>					

Example 24-3 1

```
PS C:\>Get-DraCsUserAcp -Domain MyDomain.corp -Identifier "CN=Bob Jones,OU=Accounting,DC=MyDomain,DC=corp"
```

This example returns the Skype for Business Online audio conferencing provider settings for the user Bob Jones.

Grant-DraCsConferencingPolicy

Synopsis

Assigns a Skype for Business conferencing policy to a user.

Syntax

```
Grant-DraCsConferencingPolicy -Domain <String> -PolicyName <String> [-Online <SwitchParameter>] -Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The `Grant-DraCsConferencingPolicy` cmdlet assigns a Skype for Business conferencing policy to the specified user. For the Skype for Business Online external access policy, we need to add the 'Online' parameter in the cmdlet.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>PolicyName</i> <String></p> <p>The name of the policy to be assigned.</p>	true	named		true (ByPropertyName)	false
<p><i>Online</i> [<i>SwitchParameter</i>]</p> <p>Flag indicating Skype for Business Online cmdlet.</p>	false	named		true (ByPropertyName)	false
<p><i>Identifier</i> <String></p> <p>The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.</p>	true	named		true (ByPropertyName)	false
<p><i>Domain</i> <String></p> <p>The domain of the object in fqdn format. For example: mydomain.corp</p>	true	named		true (ByPropertyName)	false
<p><i>DRAHostServer</i> [<i>String</i>]</p> <p>The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRAHostPort</i> [<i>Int32</i>]</p> <p>The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRARestServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<i><Int32></i>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters>					
Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					
NOTE: For more information, type "Get-Help Grant-DraCsConferencingPolicy -detailed". For technical information, type "Get-Help Grant-DraCsConferencingPolicy -full".					

Example 24-4 1

```
PS C:\>Grant-DraCsConferencingPolicy -Domain MyDomain.corp -Identifier "CN=Bob Jones,OU=Accounting,DC=MyDomain,DC=corp" -PolicyName BposAllModalityNoRec
```

This example assigns the BposAllModalityNoRec conferencing policy to the user Bob Jones.

Example 24-5 2

```
PS C:\>Grant-DraCsConferencingPolicy -Domain MyDomain.corp -Identifier "CN=Bob Jones,OU=Accounting,DC=MyDomain,DC=corp" -PolicyName BposAllModalityNoRec -Online
```

This example assigns the BposAllModalityNoRec conferencing policy to the user Bob Jones. We need to add 'Online' parameter for the Skype for Business Online cmdlet.

Grant-DraCsExternalAccessPolicy

Synopsis

Assigns a Skype for Business external access policy to a user.

Syntax

```
Grant-DraCsExternalAccessPolicy -Domain <String> -PolicyName <String> [-Online <SwitchParameter>] -Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The `Grant-DraCsExternalAccessPolicy` cmdlet assigns a Skype for Business external access policy to the specified user. For Skype for Business Online external access policy we need to add 'Online' parameter in cmdlet.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>PolicyName</i> <String> The name of the policy to be assigned.	true	named		true (ByPropertyName)	false
<i>Online</i> [<i>SwitchParameter</i>] Flag indicating Skype for Business Online Cmdlet.	false	named		true (ByPropertyName)	false
<i>Identifier</i> <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
<i>Domain</i> <String> The domain of the object in fqdn format. For example: mydomain.corp	true	named		true (ByPropertyName)	false
<i>DRAHostServer</i> [<i>String</i>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRAHostPort</i> [<i>Int32</i>] The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.	false	named	11192	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRARestServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<i><Int32></i>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?

<CommonParameters>

Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see [About CommonParameters \(http://go.microsoft.com/fwlink/?LinkID=113216\)](http://go.microsoft.com/fwlink/?LinkID=113216).

NOTE: For more information, type "Get-Help Grant-DraCsExternalAccessPolicy -detailed". For technical information, type "Get-Help Grant-DraCsExternalAccessPolicy -full".

Example 24-6 1

```
PS C:\>Grant-DraCsExternalAccessPolicy -Domain MyDomain.corp -Identifier
"CN=Bob Jones,OU=Accounting,DC=MyDomain,DC=corp" -PolicyName
FederationAndPICDefault
```

This example assigns the FederationAndPICDefault policy to the user Bob Jones.

Example 24-7 2

```
PS C:\>Grant-DraCsExternalAccessPolicy -Domain MyDomain.corp -Identifier
"CN=Bob Jones,OU=Accounting,DC=MyDomain,DC=corp" -PolicyName
FederationAndPICDefault -Online
```

This example assigns the FederationAndPICDefault policy to the user Bob Jones. We need to add the 'Online' parameter for the Skype for Business Online cmdlet.

Set-DraCsUserAcp

Synopsis

Updates the Skype for Business Online audio conferencing provider information for a user.

Syntax

```
Set-DraCsUserAcp -Domain <String> -DraDomain <String> -Identifier <String>
-Name <String> -ParticipantPasscode <String> -TollNumber <String> [-
IsDefault <Boolean>] [-TollFreeNumbers <String[]>] [-Url <String>] [-
DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-
DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force
<SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The `Set-DraCsUserAcp` cmdlet updates the Skype for Business Online audio conferencing provider information for the specified user.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: <code>mydomain.corp</code>	true	named		true (ByPropertyName)	false
DraDomain <String> The fully qualified domain name of the object.	true	named		true (ByPropertyName)	false
Name <String> The name of the audio conferencing provider.	true	named		true (ByPropertyName)	false
ParticipantPasscode <String> The passcode required to connect to a conference.	true	named		true (ByPropertyName)	false
TollNumber <String> The toll number used for audio conferences.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>TollFreeNumbers</i> [<String[]>] The toll-free phone number used for audio conferences. Multiple numbers can be specified by separating values with commas.	false	named		true (ByPropertyName)	false
<i>Url</i> [<String>] The URL for the audio conferencing provider.	true	named		true (ByPropertyName)	false
<i>IsDefault</i> [<Nullable`1>] Flag indicating this audio conferencing provider should be set as the default for the user	false	named		true (ByPropertyName)	false
<i>DRAHostServer</i> [<String>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRAHostPort</i> [<Int32>] The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.	false	named	11192	true (ByPropertyName)	false
<i>DRARestServer</i> [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRARestPort</i> [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>IgnoreCertificateErrors</i> [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
<i>Force</i> [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
<i>Timeout</i> [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	false	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					

NOTE: For more information, type "Get-Help Set-DraCsUserAcp -detailed". For technical information, type "Get-Help Set-DraCsUserAcp -full".

Example 24-8 1

```
PS C:\>Set-DraCsUserAcp -Domain MyDomain.corp -Identifier "CN=Bob Jones,OU=Accounting,DC=MyDomain,DC=corp" -Domain acp.att.com -Name "ATT Conferencing" -ParticipantPasscode 999999 -TollNumber "14255551234" -TollFreeNumbers "18005556666", "18005557777", "18005558888" -Url "https://www.teleconference.att.com/servlet/glbAccess"
```

This example assigns the ATT Conferencing Skype for Business Online audio conferencing policy to the user Bob Jones and configures the participant passcode, toll number, three toll-free numbers, and a conference URL for the policy.

25 Skype Related Commands

This section contains cmdlets you can execute for Shared Mailbox.

Disable-DraCsUser

Synopsis

Disables the Skype for Business Server for the user account specified by the Identifier parameter.

Syntax

```
Disable-DraCsUser -Domain <String> -Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Disable-DraCsUser cmdlet removes the user from the Skype for Business Server on the account specified by the Identifier parameter. The requesting user must have the Permanently Disable Skype For Business for User power.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: mydomain.corp	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>DRAHostServer</i> [<i><String></i>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRAHostPort</i> [<i><Int32></i>] The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.	false	named	11192	true (ByPropertyName)	false
<i>DRARestServer</i> [<i><String></i>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRARestPort</i> [<i><Int32></i>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
<i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
<i>Force</i> [<i><SwitchParameter></i>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Timeout [<i><Int32></i>]	false	named	100 seconds	false	false
<p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p> <p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					

NOTE: For more information, type "Get-Help Disable-DraCsUser -detailed". For technical information, type "Get-Help Disable-DraCsUser -full".

Example 25-1 1

```
C:\>Disable-DraCsUser -Domain MyDomain.corp -Identifier
"CN=USER123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example permanently removes the user named USER123 in MyDomain.corp from the Skype for Business Server. The identifier contains the distinguished name for the user.

26 Temporary Group Assignment Commands

This section contains cmdlets you can execute for Temporary Group Assignment.

Add-DRATemporaryGroupAssignment

Synopsis

Creates a new temporary group assignment.

Syntax

```
Add-DRATemporaryGroupAssignment -Name <String> -GroupIdentifier <String> -
UserIdentifiers <String[]> -StartTime <DateTime> -EndTime <DateTime> [-
Comment <String>] [-Description <String>] [-Enabled <Boolean>] [-DontDelete
<Boolean>] [-DomainController <String>] [-DRAHostServer <String>] [-
DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Add-DRATemporaryGroupAssignment cmdlet creates a new temporary group assignment. This feature enables users to add members to a group for specific time period. The requesting user must have the Create Temporary Group Assignments power.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Name <String> The Name parameter specifies the name for the new temporary group assignment.	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>GroupIdentifier <String></p> <p>The GroupIdentifier parameter specifies the target group for new temporary group assignment. The DistinguishedName value type can be used.</p> <p>For example, CN=NewTGA,DC=MyDomain,D C=corp</p>	true	named		true (ByPropertyName)	false
<p>UserIdentifiers <String[]></p> <p>The UserIdentifiers parameter specifies the list of temporary members. The Distinguished Name value can be used for each temporary member.</p> <p>For example, CN=NewTGA,DC=MyDomain,D C=corp</p>	true	named		true (ByPropertyName)	false
<p>StartTime <DateTime></p> <p>The StartTime parameter specifies the start date and time for the new temporary group assignment.</p>	true	named		true (ByPropertyName)	false
<p>EndTime <DateTime></p> <p>The EndTime parameter specifies the end date and time for the new temporary group assignment.</p>	true	named		true (ByPropertyName)	false
<p>Comment [<String>]</p> <p>The Comment parameter specifies additional information about the new temporary group assignment.</p>	false	named		true (ByPropertyName)	false
<p>Description [<String>]</p> <p>The Description parameter describes the new temporary group assignment.</p>	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Enabled [<code><Nullable`1></code>]</p> <p>The Enabled parameter indicates whether DRA should process the temporary group assignment. When you create a new temporary group assignment, DRA enables the new assignment by default.</p>	false	named		true (ByPropertyName)	false
<p>DontDelete [<code><Nullable`1></code>]</p> <p>The DontDelete parameter specifies that after the temporary group assignment expires, DRA saves the temporary group assignment for future use.</p>	false	named		true (ByPropertyName)	false
<p>DomainController [<code><String></code>]</p> <p>The DomainController parameter specifies the domain controller for the new temporary group assignment.</p>	false	named		true (ByPropertyName)	false
<p>DRAHostServer [<code><String></code>]</p> <p>The name of the computer running the DRA Host Service. The DRA REST server will send the requested operation to the DRA Host Service running on the specified computer. If this parameter is not specified, then the DRA REST Service will attempt to discover a DRA Host Service to use.</p>	false	named		true (ByPropertyName)	false
<p>DRAHostPort [<code><Int32></code>]</p> <p>The port number of the DRA Host Service. This parameter is only used when the DRAHostServer parameter is also specified. If the DRAHostServer parameter is specified but the DRAHostPort is not, 11192 will be used as the default Host port.</p>	false	named	11192	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRARestServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port number of the DRA REST Service. This parameter is only used when the <i>DRARestServer</i> parameter is also specified. If the <i>DRARestServer</i> parameter is specified but the <i>DRARestPort</i> is not, 8755 will be used as the default REST port.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the <i>InvalidOperation</i> error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: <i>-Force</i> with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<i><Int32></i>]</p> <p>The wait time in seconds before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?

<CommonParameters>

Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see [About CommonParameters \(http://go.microsoft.com/fwlink/?LinkID=113216\)](http://go.microsoft.com/fwlink/?LinkID=113216).

NOTE: For more information, type "Get-Help Add-DRATemporaryGroupAssignment -detailed". For technical information, type "Get-Help Add-DRATemporaryGroupAssignment -full".

Example 26-1 1

```
PS C:\>Add-DRATemporaryGroupAssignment -Name "MyTGA" -GroupIdentifier
"CN=NewTGA,DC=MyDomain,DC=corp" -UserIdentifiers
@"CN=NewTGA,DC=MyDomain,DC=corp" -StartTime "14/03/2019 6:10:00 AM" -
EndTime "15/03/2019 6:10:00 PM"
```

This example will create a new temporary group assignment named MyTGA, adding temporary members in the target group for the given time interval. Also, the new temporary group assignment will be enabled if it is not set.

Example 26-2 2

```
PS C:\>Add-DRATemporaryGroupAssignment -Name "MyTGA" -GroupIdentifier
"CN=NewTGA,DC=MyDomain,DC=corp" -UserIdentifiers
@"CN=NewTGA,DC=MyDomain,DC=corp" -StartTime "14/03/2019 6:10:00 AM" -
EndTime "15/03/2019 6:10:00 PM" -DontDelete $true -Enabled $false
```

This example will create a new temporary group assignment named MyTGA, with the following configuration: adds temporary members in the target group for the given time interval, enables the DontDelete flag to keep the temporary group assignment for future use, and sets the Enabled flag to false.

Clear-DRATemporaryGroupAssignmentError

Synopsis

Rectifies errors in a temporary group assignment.

Syntax

```
Clear-DRATemporaryGroupAssignmentError -Identifier <String> [-  
DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-  
DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force  
<SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Clear-DRATemporaryGroupAssignmentError cmdlet rectifies errors in the specified temporary group assignment.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>Identifier</i> <String> The name of the temporary group assignment.	true	named		true (ByPropertyName)	false
<i>DRAHostServer</i> [<String>] The name of the computer running the DRA Host Service. The DRA REST server will send the requested operation to the DRA Host Service running on the specified computer. If this parameter is not specified, then the DRA REST Service will attempt to discover a DRA Host Service to use.	false	named		true (ByPropertyName)	false
<i>DRAHostPort</i> [<Int32>] The port number of the DRA Host Service. This parameter is only used when the DRAHostServer parameter is also specified. If the DRAHostServer parameter is specified but the DRAHostPort is not, 11192 will be used as the default Host port.	false	named	11192	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRARestServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port number of the DRA REST Service. This parameter is only used when the <i>DRARestServer</i> parameter is also specified. If the <i>DRARestServer</i> parameter is specified but the <i>DRARestPort</i> is not, 8755 will be used as the default REST port.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the <i>InvalidOperation</i> error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: <i>-Force</i> with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<i><Int32></i>]</p> <p>The wait time in seconds before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters>					
Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					
NOTE: For more information, type "Get-Help Clear-DRATemporaryGroupAssignmentError -detailed". For technical information, type "Get-Help Clear-DRATemporaryGroupAssignmentError -full".					

Example 26-3 1

```
PS C:\> Clear-DRATemporaryGroupAssignmentError -Identifier "TempVendors"
```

This example rectifies errors in the temporary group assignment named TempVendors.

Disable-DRATemporaryGroupAssignment

Synopsis

Disables a temporary group assignment.

Syntax

```
Disable-DRATemporaryGroupAssignment -Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Disable-DRATemporaryGroupAssignment cmdlet disables the specified temporary group assignment.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Identifier <String></p> <p>The name of the temporary group assignment.</p>	true	named		true (ByPropertyName)	false
<p>DRAHostServer [<String>]</p> <p>The name of the computer running the DRA Host Service. The DRA REST server will send the requested operation to the DRA Host Service running on the specified computer. If this parameter is not specified, then the DRA REST Service will attempt to discover a DRA Host Service to use.</p>	false	named		true (ByPropertyName)	false
<p>DRAHostPort [<Int32>]</p> <p>The port number of the DRA Host Service. This parameter is only used when the DRAHostServer parameter is also specified. If the DRAHostServer parameter is specified but the DRAHostPort is not, 11192 will be used as the default Host port.</p>	false	named	11192	true (ByPropertyName)	false
<p>DRARestServer [<String>]</p> <p>The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.</p>	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<i><Int32></i>]</p> <p>The wait time in seconds before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	true (ByPropertyName)	false
<p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					

NOTE: For more information, type "Get-Help Disable-DRATemporaryGroupAssignment -detailed". For technical information, type "Get-Help Disable-DRATemporaryGroupAssignment -full".

Example 26-4 1

```
PS C:\> Disable-DRATemporaryGroupAssignment -Identifier "TempVendors"
```

This example disables the temporary group assignment named TempVendors.

Enable-DRATemporaryGroupAssignment

Synopsis

Enables a temporary group assignment.

Syntax

```
Enable-DRATemporaryGroupAssignment -Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Enable-DRATemporaryGroupAssignment cmdlet enables the specified temporary group assignment.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>Identifier</i> <String> The name of the temporary group assignment.	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRAHostServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA Host Service. The DRA REST server will send the requested operation to the DRA Host Service running on the specified computer. If this parameter is not specified, then the DRA REST Service will attempt to discover a DRA Host Service to use.</p>	false	named		true (ByPropertyName)	false
<p><i>DRAHostPort</i> [<i><Int32></i>]</p> <p>The port number of the DRA Host Service. This parameter is only used when the DRAHostServer parameter is also specified. If the DRAHostServer parameter is specified but the DRAHostPort is not, 11192 will be used as the default Host port.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.</p>	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>IgnoreCertificateErrors</i> [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
<i>Force</i> [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
<i>Timeout</i> [<Int32>] The wait time in seconds before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					

NOTE: For more information, type "Get-Help Enable-DRATemporaryGroupAssignment -detailed". For technical information, type "Get-Help Enable-DRATemporaryGroupAssignment -full".

Example 26-5 1

```
PS C:\> Enable-DRATemporaryGroupAssignment -Identifier "TempVendors"
```

This example enables the temporary group assignment named TempVendors.

Remove-DRATemporaryGroupAssignment

Synopsis

Removes a temporary group assignment.

Syntax

```
Remove-DRATemporaryGroupAssignment -Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Remove-DRATemporaryGroupAssignment cmdlet deletes the specified temporary group assignment.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Identifier <String> The name of the temporary group assignment.	true	named		true (ByPropertyName)	false
DRAHostServer [<String>] The name of the computer running the DRA Host Service. The DRA REST server will send the requested operation to the DRA Host Service running on the specified computer. If this parameter is not specified, then the DRA REST Service will attempt to discover a DRA Host Service to use.	false	named		true (ByPropertyName)	false
DRAHostPort [<Int32>] The port number of the DRA Host Service. This parameter is only used when the DRAHostServer parameter is also specified. If the DRAHostServer parameter is specified but the DRAHostPort is not, 11192 will be used as the default Host port.	false	named	11192	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRARestServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port number of the DRA REST Service. This parameter is only used when the <i>DRARestServer</i> parameter is also specified. If the <i>DRARestServer</i> parameter is specified but the <i>DRARestPort</i> is not, 8755 will be used as the default REST port.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the <i>InvalidOperation</i> error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: <i>-Force</i> with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<i><Int32></i>]</p> <p>The wait time in seconds before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to <i>-1</i>.</p>	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters>					
Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					
NOTE: For more information, type "Get-Help Remove-DRATemporaryGroupAssignment -detailed". For technical information, type "Get-Help Remove-DRATemporaryGroupAssignment -full".					

Example 26-6 1

```
PS C:\> Remove-DRATemporaryGroupAssignment -Identifier "TempVendors"
```

This example deletes the temporary group assignment named TempVendors.

Stop-DRATemporaryGroupAssignment

Synopsis

Cancels a temporary group assignment.

Syntax

```
Stop-DRATemporaryGroupAssignment -Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Stop-DRATemporaryGroupAssignment cmdlet cancels the specified temporary group assignment.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Identifier <String></p> <p>The name of the temporary group assignment.</p>	true	named		true (ByPropertyName)	false
<p>DRAHostServer [<String>]</p> <p>The name of the computer running the DRA Host Service. The DRA REST server will send the requested operation to the DRA Host Service running on the specified computer. If this parameter is not specified, then the DRA REST Service will attempt to discover a DRA Host Service to use.</p>	false	named		true (ByPropertyName)	false
<p>DRAHostPort [<Int32>]</p> <p>The port number of the DRA Host Service. This parameter is only used when the DRAHostServer parameter is also specified. If the DRAHostServer parameter is specified but the DRAHostPort is not, 11192 will be used as the default Host port.</p>	false	named	11192	true (ByPropertyName)	false
<p>DRARestServer [<String>]</p> <p>The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.</p>	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<i><Int32></i>]</p> <p>The wait time in seconds before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	true (ByPropertyName)	false
<p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					

NOTE: For more information, type "Get-Help Stop-DRATemporaryGroupAssignment -detailed". For technical information, type "Get-Help Stop-DRATemporaryGroupAssignment -full".

Example 26-7 1

```
PS C:\> Stop-DRATemporaryGroupAssignment -Identifier "TempVendors"
```

This example cancels the temporary group assignment named TempVendors.

27 Users

This section contains cmdlets you can execute for the User object type.

Add-DRAUser

Synopsis

Adds a user object to an Active Directory domain.

Syntax

```
Add-DRAUser -Properties <Hashtable> -Domain <String> [-DRAHostServer  
<String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort  
<Int32>]  
[-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-  
Timeout <Int32>] [<CommonParameters>]
```

Description

The Add-DRAUser cmdlet adds a user to a domain managed by DRA. The requesting user must have the Create User power. Use the Properties parameter to specify the values to use when creating the user. To see the complete list of available properties, perform a Get-Member command on the object returned from any DRAUser command.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Properties <Hashtable></p> <p>A Hashtable of property values. The key is the name of a defined property in the REST interface. For example: <code>-Properties @{Description="my description";Location="Houston"}</code></p> <p>Multiple values are specified as a comma-separated list.</p> <p>For example: <code>-Properties @{otherTelephones="555-1212", "123-4567"}</code></p> <p>If the property name contains non-alphanumeric characters it needs to be quoted.</p> <p>For example: <code>-Properties @{"VA-DRA-VirtualAttribute"=42}</code></p> <p>If the property value contains a quote it needs to be escaped with a backtick (`).</p> <p>For example: <code>-Properties @{Description="my `test` description"}</code></p>	true	named		true (ByPropertyName)	false
<p>Identifier <String></p> <p>The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.</p>	true	named		true (ByPropertyName)	false
<p>Domain <String></p> <p>The domain of the object in fqdn format. For example: <code>mydomain.corp</code></p>	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRAHostServer</i> [<String>]</p> <p>The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRAHostPort</i> [<Int32>]</p> <p>The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<String>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARESTPort</i> [<Int32>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<SwitchParameter>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<SwitchParameter>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Timeout [<i><Int32></i>]	false	named	100 seconds	true (ByPropertyName)	false
<p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p> <p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					

NOTE: For more information, type "Get-Help Add-DRAUser -detailed". For technical information, type "Get-Help Add-DRAUser -full".

Example 27-1 1

```
PS C:\>Add-DRAUser -Domain MyDomain.corp -Properties
@{FriendlyParentPath="MyDomain.corp/
Accounting";Name="USER123";Description="PS Desc
001";ManagedBy="CN=George,CN=Users,DC=MYDOMAIN,DC=corp";samAccountName="CO
MP123" }
```

This example creates the user USER123 in Active Directory using the Name and DRA FriendlyParentPath properties. The user will be created in the domain MyDomain.corp in the Accounting OU. There are three properties set on this user: Description, ManagedBy, and samAccountName.

Example 27-2 2

```
PS C:\>Add-DRAUser -Domain MyDomain.corp -Properties
@{DistinguishedName="CN=USER123,OU=Accounting,
DC=MyDomain,DC=corp";Description="User for
powershell";TrustedForDelegation=$true}
```

This example creates a user named USER123 in Active Directory using the DRA DistinguishedName property. The user will be created in the domain MyDomain.corp in the Accounting OU. There are two properties set on this user: Description and TrustedForDelegation. The samAccountName defaults to the name. The user principal name defaults to USER123@MyDomain.corp.

Example 27-3 3

```
PS C:\>Add-DRAUser -Domain MyDomain.corp -Properties
@{FriendlyName="MyDomain.corp/Accounting/USER123";Description="User for
powershell";TrustedForDelegation=$true}
```

This example creates a user named USER123 in Active Directory using the DRA FriendlyName property. The user will be created in the domain MyDomain.corp in the Accounting OU. There are two properties set on this user: Description and TrustedForDelegation. The samAccountName defaults to the name. The user principal name defaults to USER123@MyDomain.corp.

Example 27-4 4

```
PS C:\>Add-DRAUser -Domain MyDomain.corp -Properties
@{DistinguishedName="CN=myuser03,OU=SOME-OU,DC=DRDOM610,
"DC=lab";CreateEmail=$true;MailNickname="myuser03";EmailAddress="myuser03@
Mycompany.corp";LegacyExchangeDn= "/o=First/ou=Exchange Administrative
Group (FYDIBOHF23SPDLT)/CN=Recipients/CN=myuser03" }
```

This example creates a mail-enabled user in Active Directory. There are three email-related properties set on this user: CreateEmail, MailNickname, and LegacyExchangeDn. These three properties are required to create a mail-enabled user.

Example 27-5 5

```
PS C:\>Add-DRAUser -Domain Mydomain.corp -Properties {MailboxStore="LDAP:/
/Myserver.Mydomain.Corp/CN=Mailbox Database 0962326578,
CN=Databases,CN=Exchange Administrative Group
(FYDIBOHF23SPDLT),CN=Administrative Groups,CN=MessageStore1,
CN=MicrosoftExchange,CN=Services,CN=Configuration,DC=Mydomain,DC=corp";Dis
tinguishedName="CN=myuser04,OU=exec,DC=Mydomain,DC=corp";CreateMailbox=$tr
ue;MailNickname="myuser04";EmailAddress="myuser04@Mydomain.corp";UseDefaul
tMailboxStore=$true
```

This example creates a user named myuser04 with a mailbox in Active Directory. There are 5 email related properties set on this user. MailboxStore is required to connect to the Exchange server. CreateMailbox requestes the user mailbox to be created. The MailNickname and EmailAddress are optionally specified. UseDefaultMailboxStore is specified telling the Exchange server to use the default mailbox store.

Add-DRAUserArchiveMailbox

Synopsis

Creates an archive mailbox for the user account specified by the Identifier, Alias, and MailboxStore parameters.

Syntax

```
Add-DRAUserArchiveMailbox -Domain <String> -ArchiveMailboxName <String> -MailboxStore <String> -Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Add-DRAUserArchiveMailbox cmdlet creates an archive mailbox for the user specified by the Identifier. The user must already have an Exchange mailbox. The requesting user must have the Create Exchange Archive Mailbox Only power.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
ArchiveMailboxName <String> The name of the archive mailbox.	true	named		false	false
MailboxStore <String> Full path to the Exchange mailbox store. Use the Get-DRAExchangeStores command to list available mailbox stores managed by DRA.	true	named		false	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: mydomain.corp	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRAHostServer</i> [<String>]</p> <p>The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRAHostPort</i> [<Int32>]</p> <p>The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<String>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARestPort</i> [<Int32>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<SwitchParameter>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<SwitchParameter>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Timeout [<i><Int32></i>]	false	named	100 seconds	true (ByPropertyName)	false
<p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p> <p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					

NOTE: For more information, type "Get-Help Add-DRAUserArchiveMailbox -detailed". For technical information, type "Get-Help Add-DRAUserArchiveMailbox -full".

Example 27-6 1

```
PS C:\>Add-DRAUserArchiveMailbox -Domain MyDomain.corp -Identifier
"CN=USER123,OU=Accounting,DC=MyDomain,DC=corp" -ArchiveMailboxName
"User123Archive" -MailboxStore "LDAP://CN=Mailbox Database
0565232367,CN=Databases,CN=Exchange Administrative Group
(FYDIBOHF23SPDLT),CN=Administrative Groups,CN=First,CN=Microsoft
Exchange,CN=Services,CN=Configuration, DC=MyDomain,DC=corp"
```

Add-DRAUserMailbox

Synopsis

Adds an Exchange mailbox to an existing user.

Syntax

```
Add-DRAUserMailbox -Domain <String> -MailboxStore <String> [-MailboxType
<String>] [-UseDefaultMailboxStore <SwitchParameter>] [-MailNickname
<String>] -Identifier <String> [-DRAHostServer <String>] [-DRAHostPort
<Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Add-DRAUserMailbox cmdlet adds a mailbox to an existing user that is managed by DRA. The requesting user must have one of the Create Exchange Mailbox power. To convert an existing user to a resource mailbox, specify the MailboxType parameter.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>MailboxStore <String></p> <p>Full path to the Exchange mailbox store. Use the Get-DRAExchangeStores command to list available mailbox stores managed by DRA.</p>	true	named		false	false
<p>MailboxType [<String>]</p> <p>The type of resource mailbox you want to create. Valid values are 'room' or 'equipment'.</p>	true	named		true (ByPropertyName)	false
<p>UseDefaultMailboxStore [<SwitchParameter>]</p> <p>Flag denoting if the default Exchange mailbox store should be used when creating the mailbox.</p>	false	named		false	false
<p>MailNickname [<String>]</p> <p>Specifies the Exchange alias for the mailbox. If not specified, the sAMAccount name will be used.</p>	false	named		false	false
<p>Identifier <String></p> <p>The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.</p>	true	named		true (ByPropertyName)	false
<p>Domain <String></p> <p>The domain of the object in fqdn format. For example: mydomain.corp</p>	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRAHostServer</i> [<String>]</p> <p>The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRAHostPort</i> [<Int32>]</p> <p>The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<String>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARESTPort</i> [<Int32>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<SwitchParameter>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<SwitchParameter>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Timeout [<i><Int32></i>]	false	named	100 seconds	true (ByPropertyName)	false
<p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p> <p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					

NOTE: For more information, type "Get-Help Add-DRAUserMailbox -detailed". For technical information, type "Get-Help Add-DRAUserMailbox -full"

Example 27-7 1

```
PS C:\>Add-DRAUserMailbox -Domain "MyDomain.corp" -Identifier
"CN=USER123,OU=Accounting,DC=MyDomain,DC=corp -MailboxStore "LDAP://
CN=Mailbox Database 0565232367,CN=Databases,CN=Exchange Administrative
Group (FYDIBOHF23SPDLT),CN=Administrative Groups,CN=First,CN=Microsoft
Exchange,CN=Services,CN=Configuration, DC=MyDomain,DC=corp" -
UseDefaultMailboxStore -MailNickname "User123NN"
```

This example creates an Exchange mailbox for an existing user managed by DRA. You can use the command Get-DRAExchangeStores to get the value needed for the MailboxStore parameter. The MailNickname is set to User123NN. If this property is not present, the MailNickname defaults to the samAccountName. The UseDefaultMailboxStore option tells the Exchange server to use the default mailbox store.

Example 27-8 2

```
PS C:\>Add-DRAUserMailbox -Domain "MyDomain.corp" -Identifier
"CN=USER123,OU=Accounting,DC=MyDomain,DC=corp -MailboxStore "LDAP://
CN=Mailbox Database 0565232367,CN=Databases,CN=Exchange Administrative
Group (FYDIBOHF23SPDLT),CN=Administrative Groups,CN=First,CN=Microsoft
Exchange,CN=Services,CN=Configuration, DC=MyDomain,DC=corp" -MailNickname
"User123NN"
```

This example creates an Exchange mailbox for an existing user managed by DRA. You can use the command `Get-DRAExchangeStores` to get the value needed for the `MailboxStore` parameter. The `MailNickname` is set to `User123NN`. If this property is not present, the `MailNickname` defaults to the `samAccountName`.

Copy-DRAUser

Synopsis

Copies an existing user to a new user.

Syntax

```
Copy-DRAUser -Domain <String> -Properties <Hashtable> -Identifier <String>
[-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>]
[-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-
Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The `Copy-DRAUser` cmdlet copies an existing user property to a new user. The values provided in the `-Properties` parameter will overwrite the values provided by the existing user. You must supply the properties to give the new user a name and a location. See the `Add-DRAUser` for examples of how to define the new user. The response contains the string generated by the server.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Properties <Hashtable></p> <p>A Hashtable of property values. The key is the name of a defined property in the REST interface.</p> <p>For example: <code>-Properties @{Description="my description";Location="Houston" }</code></p> <p>Multiple values are specified as a comma-separated list.</p> <p>For example: <code>-Properties @{otherTelephones="555-1212" ,"123-4567" }</code></p> <p>If the property name contains non-alphanumeric characters it needs to be quoted.</p> <p>For example: <code>-Properties @{ "VA-DRA-VirtualAttribute"=42 }</code></p> <p>If the property value contains a quote it needs to be escaped with a backtick (`).</p> <p>For example: <code>-Properties @{Description="my `test` description" }</code></p>	true	named		true (ByPropertyName)	false
<p>Identifier <String></p> <p>The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.</p>	true	named		true (ByPropertyName)	false
<p>Domain <String></p> <p>The domain of the object in FQDN format. For example: <code>mydomain.corp</code></p>	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRAHostServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRAHostPort</i> [<i><Int32></i>]</p> <p>The port where the DRA Host Service listens for requests. This parameter is only used when the DRAHostServer parameter is also specified. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARESTPort</i> [<i><Int32></i>]</p> <p>The port where the DRA REST Service listens for requests. This parameter is only used when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Force [<i><SwitchParameter></i>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<i><Int32></i>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					

NOTE: For more information, type "Get-Help Copy-DRAUser -detailed". For technical information, type "Get-Help Copy-DRAUser -full".

Example 27-9 1

```
PS C:\>Copy-DRAUser -Identifier
"CN=Usersource,OU=Accounting,DC=MyDomain,DC=corp" -Properties
@{distinguishedName="CN=USER123,OU=Tax,DC=MyDomain,DC=corp"} -domain
MyDomain.corp
```

This example will copy the user named Usersource from the Accounting OU in MyDomain.corp to a new user named USER123 in the Tax OU in MyDomain.corp. The properties of USER123 will be the same as the properties of Usersource.

Example 27-10 2

```
PS C:\>Copy-DRAUser -Identifier
"CN=Usersource,OU=Accounting,DC=MyDomain,DC=corp" -Properties
@{distinguishedName="CN=USER123,OU=Tax,DC=MyDomain,DC=corp";Description="T
ax group member"} -domain MyDomain.corp
```

This example will copy the user named Usersource from the Accounting OU in MyDomain.corp to a new user named USER123 in the Tax OU in MyDomain.corp. The Description property for USER123 will be set to 'Tax group member'.

Example 27-11 3

```
PS C:\>Copy-DRAUser -Identifier
"CN=Usersource,OU=Accounting,DC=MyDomain,DC=corp" -Properties
@{distinguishedName="CN=USER123,OU=Tax,DC=MyDomain,DC=corp";Description="T
ax group member";MailboxStore="LDAP://Myserver.Mydomain.Corp/CN=Mailbox
Database 0962326578,CN=Databases,CN=Exchange Administrative Group
(FYDIBOHF23SPDLT),CN=Administrative Groups,CN=MessageStore1,CN=Microsoft
Exchange,CN=Services,CN=Configuration,DC=Mydomain,DC=corp";UseDefaultMailb
oxStore=$true} -domain MyDomain.corp
```

This example will copy the user named Usersource from the Accounting OU in MyDomain.corp to a new user named USER123 in the Tax OU in MyDomain.corp. The Description property for USER123 will be set to 'Tax group member'. A mailbox will be created using the specified mailbox store to connect to the Exchange server. An optional UseDefaultMailboxStore flag requestes the Exchange server to use the default mailbox store.

Disable-DRAOffice365ArchiveMailbox

Synopsis

Disables the Office 365 archive mailbox for the user account specified by the Identifier parameter.

Syntax

```
Disable-DRAOffice365ArchiveMailbox -Domain <String> [-DomainController
<String>] -Identifier <String> [-DRAHostServer <String>] [-DRAHostPort
<Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Disable-DRAOffice365ArchiveMailbox cmdlet disables the Office 365 archive mailbox for the user account specified by the Identifier parameter. The requesting user must have the Disable User Account power.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>DomainController [<String>]</p> <p>The computer name of a specific domain controller to use for the request.</p>	false	named		true (ByPropertyName)	false
<p>Identifier <String></p> <p>The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.</p>	true	named		true (ByPropertyName)	false
<p>Domain <String></p> <p>The domain of the object in fqdn format. For example: mydomain.corp</p>	true	named		true (ByPropertyName)	false
<p>DRAHostServer [<String>]</p> <p>The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p>DRAHostPort [<Int32>]</p> <p>The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p>DRARestServer [<String>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<i><Int32></i>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	true (ByPropertyName)	false
<p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					
<p>NOTE: For more information, type "Get-Help Disable-DRAOffice365ArchiveMailbox -detailed". For technical information, type "Get-Help Disable-DRAOffice365ArchiveMailbox -full".</p>					

Example 27-12 1

```
PS C:\>Disable-DRAOffice365ArchiveMailbox -Domain MyDomain.corp -
Identifier "CN=USER123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example disables the Office 365 archive mailbox for the user named USER123 in MyDomain.corp. The identifier contains the distinguished name for the user.

Disable-DRAUser

Synopsis

Disables the user account specified by the Identifier parameter.

Syntax

```
Disable-DRAUser -Domain <String> [-DomainController <String>] -Identifier
<String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer
<String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Disable-DRAUser cmdlet disables the account specified by the Identifier parameter. The requesting user must have the Disable User Account power.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>DomainController</i> [<String>] The computer name of a specific domain controller to use for the request.	false	named		true (ByPropertyName)	false
<i>RestoreToContainer</i> [<String>] The distinguished name of the container to which you want to restore the object. If this parameter is not specified, DRA will attempt to restore the object to its original container.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: mydomain.corp	true	named		true (ByPropertyName)	false
DRAHostServer [<String>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRAHostPort [<Int32>] The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.	false	named	11192	true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>IgnoreCertificateErrors</i> [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
<i>Force</i> [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
<i>Timeout</i> [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					

NOTE: For more information, type "Get-Help Disable-DRAUser -detailed". For technical information, type "Get-Help Disable-DRAUser -full".

Example 27-13 1

```
PS C:\>Disable-DRAUser -Domain MyDomain.corp -Identifier "USER123" -DC "BestDC"
```

This example disables the user named USER123 in MyDomain.corp. The identifier contains the name for the user. The name is converted to the distinguished name by making an additional call to the DRA Server. The request will be processed by the domain controller BestDC.

Example 27-14 2

```
PS C:\>Disable-DRAUser -Domain MyDomain.corp -Identifier  
"CN=USER123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example disables the user named USER123 in MyDomain.corp. The identifier contains the distinguished name for the user.

Disable-DRAUserEmail

Synopsis

Disables email for the user account specified by the Identifier parameter.

Syntax

```
Disable-DRAUserEmail -Domain <String> -Identifier <String> [-DRAHostServer  
<String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort  
<Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force  
<SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Disable-DRAUserEmail cmdlet disables email on the account specified by the Identifier parameter. The requesting user must have the Delete Email for User power.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: mydomain.corp	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRAHostServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRAHostPort</i> [<i><Int32></i>]</p> <p>The port where the DRA Host Service listens for requests. This parameter is only used when the DRAHostServer parameter is also specified. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port where the DRA REST Service listens for requests. This parameter is only used when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Force [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p>Timeout [<i><Int32></i>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	true (ByPropertyName)	false
<p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					
<p>NOTE: For more information, type "Get-Help Disable-DRAUserEmail -detailed". For technical information, type "Get-Help Disable-DRAUserEmail -full".</p>					

Example 27-15 1

```
PS C:\>Disable-DRAUserEmail -Domain MyDomain.corp -Identifier "CN=USER123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example disables email for the user named USER123 in MyDomain.corp. The identifier contains the distinguished name for the user.

Enable-DraCsUser

Synopsis

Enables Skype for the user account specified by the Identifier parameter.

Syntax

```
Enable-DraCsUser -Domain <String> -RegistrarPool <String> [-SipAddress <String>] [-SipAddressType <String>] [-SipDomain <String>] -Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The `Enable-DraCsUser` cmdlet enables Skype for the specified user account. The requesting user must have the Enable Skype power.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>RegistrarPool</i> <String> The Registrar pool. For example, Myserver.Mydomain.corp.	true	named		true (ByPropertyName)	false
<i>SipAddress</i> [<String>] The user's SIP address. For example: MyUserName@Mydomain.corp. The SipAddress parameter can not be used simultaneously with the SipAddressType parameter.	false	named		true (ByPropertyName)	false
<i>SipAddressType</i> [<String>] 'SamAccountName', 'EmailAddress', and 'UserPrincipalName'. The SipDomain parameter must also be specied if 'FirstLastName' or 'SameAccountName' are specified. This parameter should not be used when specifying a SIP address using the SipAddress parameter.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>SipDomain</i> [<String>]</p> <p>The user's SIP domain. If SipAddressType parameter is 'FirstLastName' or 'SamAccountName' then the SipDomain parameter is required. For example: Mydomain.corp.</p>	false	named		true (ByPropertyName)	false
<p><i>Identifier</i> <String></p> <p>The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.</p>	true	named		true (ByPropertyName)	false
<p><i>Domain</i> <String></p> <p>The domain of the object in fqdn format. For example: mydomain.corp</p>	true	named		true (ByPropertyName)	false
<p><i>DRAHostServer</i> [<String>]</p> <p>The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRAHostPort</i> [<Int32>]</p> <p>The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<String>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<i><Int32></i>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	false	false
<p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					

NOTE: For more information, type "Get-Help Enable-DraCsUser -detailed". For technical information, type "Get-Help Enable-DraCsUser -full".

Example 27-16 1

```
PS C:\>Enable-DraCsUser -Domain MyDomain.corp -Identifier
"CN=USER123,OU=Accounting,DC=MyDomain,DC=corp" -RegistrarPool
"MyServer.MyDomain.corp" -SipAddress "USER123@MyDomain.corp"
```

This example enables skype for the user named USER123 in MyDomain.corp. The identifier contains the distinguished name for the user.

Example 27-17 2

```
PS C:\>Enable-DraCsUser -Domain MyDomain.corp -Identifier
"CN=USER123,OU=Accounting,DC=MyDomain,DC=corp" -RegistrarPool
"MyServer.MyDomain.corp" -SipAddress "SamAccountName" -SipDomain
"MyDomain.corp"
```

This example enables skype for the user named USER123 in MyDomain.corp. The identifier contains the distinguished name for the user. The SIP address is the user's SamAccountName followed by the SIP domain. If you use 'SamAccountName' or 'FirstLastName' SIP address type then you must also include the SipDomain parameter. SipDomain parameter is not required if you base SIP addresses on the user's 'EmailAddress' or 'UserPrincipalName'.

Enable-DRAOffice365ArchiveMailbox

Synopsis

Enables the Office 365 archive mailbox for the user account specified by the Identifier parameter.

Syntax

```
Enable-DRAOffice365ArchiveMailbox -Domain <String> [-DomainController
<String>] -Identifier <String> [-DRAHostServer <String>] [-DRAHostPort
<Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Enable-DRAOffice365ArchiveMailbox cmdlet enables the Office 365 archive mailbox for the user account specified by the Identifier parameter. The requesting user must have the Enable User Account power.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>DomainController [<String>]</p> <p>The computer name of a specific domain controller to use for the request.</p>	false	named		true (ByPropertyName)	false
<p>Identifier <String></p> <p>The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.</p>	true	named		true (ByPropertyName)	false
<p>Domain <String></p> <p>The domain of the object in fqdn format. For example: mydomain.corp</p>	true	named		true (ByPropertyName)	false
<p>DRAHostServer [<String>]</p> <p>The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p>DRAHostPort [<Int32>]</p> <p>The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p>DRARestServer [<String>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<i><Int32></i>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	true (ByPropertyName)	false
<p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					
<p>NOTE: For more information, type "Get-Help Enable-DRAOffice365ArchiveMailbox -detailed". For technical information, type "Get-Help Enable-DRAOffice365ArchiveMailbox -full".</p>					

Example 27-18 1

```
PS C:\>Enable-DRAOffice365ArchiveMailbox -Domain MyDomain.corp -
Identifier "CN=USER123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example enables the Office 365 archive mailbox for the user named USER123 in MyDomain.corp. The identifier contains the distinguished name for the user.

Enable-DRAUser

Synopsis

Enables the user account specified by the Identifier parameter.

Syntax

```
Enable-DRAUser -Domain <String> [-DomainController <String>] -Identifier
<String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer
<String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Enable-DRAUser cmdlet enables the user account specified by the Identifier parameter. The requesting user must have the Enable User Account power.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
DomainController [<i><String></i>] The computer name of a specific domain controller to use for the request.	false	named		true (ByPropertyName)	false
RestoreToContainer [<i><String></i>] The distinguished name of the container to which you want to restore the object. If this parameter is not specified, DRA will attempt to restore the object to its original container.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: mydomain.corp	true	named		true (ByPropertyName)	false
DRAHostServer [<String>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRAHostPort [<Int32>] The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.	false	named	11192	true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>IgnoreCertificateErrors</i> [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
<i>Force</i> [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
<i>Timeout</i> [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					
NOTE: For more information, type "Get-Help Enable-DRAUser -detailed". For technical information, type "Get-Help Enable-DRAUser -full".					

Example 27-19 1

```
PS C:\>Enable-DRAUser -Domain MyDomain.corp -Identifier
"CN=USER123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example enables the user named USER123 in MyDomain.corp. The identifier contains the distinguished name for the user.

Example 27-20 2

```
PS C:\>Enable-DRAUser -Domain MyDomain.corp -Identifier "USER123" -DC
"BestDC"
```

This example enables the user named USER123 in MyDomain.corp. The identifier contains the name for the user. The name is converted to the distinguished name by making an additional call to the DRA Server. The request will be processed by the domain controller BestDC.

Enable-DRAUserEmail

Synopsis

Enables email for the user account specified by the Identifier parameter.

Syntax

```
Enable-DRAUserEmail -Domain <String> -ExchangeDN <String> -EmailAddress
<String> -Identifier <String> [-DRAHostServer <String>] [-DRAHostPort
<Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Enable-DRAUserEmail cmdlet enables email for the specified user account. The requesting user must have the Enable Email for User power.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
ExchangeDN <String> A Full path to the Exchange service. Use the Get-DRAExchangeServers command to obtain the list of Exchange servers managed through DRA.	true	named		false	false
EmailAddress<String> The full email address for the account. For example: MyUserName@mydomain.corp.	true	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Identifier <String></p> <p>The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.</p>	true	named		true (ByPropertyName)	false
<p>Domain <String></p> <p>The domain of the object in fqdn format. For example: mydomain.corp</p>	true	named		true (ByPropertyName)	false
<p>DRAHostServer [<String>]</p> <p>The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p>DRAHostPort [<Int32>]</p> <p>The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p>DRARestServer [<String>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p>DRARESTPort [<Int32>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>IgnoreCertificateErrors</i> [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
<i>Force</i> [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
<i>Timeout</i> [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					
NOTE: For more information, type "Get-Help Enable-DRAUserEmail -detailed". For technical information, type "Get-Help Enable-DRAUserEmail -full".					

Example 27-21 1

```
PS C:\>Enable-DRAUserEmail -Domain MyDomain.corp -Identifier
"CN=USER123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example enables email for the user named USER123 in MyDomain.corp. The identifier contains the distinguished name for the user.

Get-DRAMoveMailboxStatus

Synopsis

Gets the move mailbox status for the user account specified by the Identifier and ExchangeServer parameters.

Syntax

```
Get-DRAMoveMailboxStatus -Domain <String> -ExchangeServer <String> -
Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Get-DRAMoveMailboxStatus cmdlet get move mailbox status on the account specified by the Identifier and ExchangeServer parameters. The requesting user must have the Move Exchange Mailbox power.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>IsNTSecurity</i> [<SwitchParameter>] Specifies that the NT Security permissions on the mailbox should be returned. If the parameter is not specified, the Exchange security permissions will be returned.	false	named		false	false
<i>ExchangeServer</i> <String> The Exchange server machine name.	true	named		false	false
<i>Identifier</i> <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Domain <String> The domain of the object in fqdn format. For example: mydomain.corp	true	named		true (ByPropertyName)	false
DRAHostServer [<String>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRAHostPort [<Int32>] The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.	false	named	11192	true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>Force</i> [<i><SwitchParameter></i>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
<i>Timeout</i> [<i><Int32></i>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					

NOTE: For more information, type "Get-Help Get-DRAMoveMailboxStatus -detailed". For technical information, type "Get-Help Get-DRAMoveMailboxStatus -full".

Example 27-22 1

```
PS C:\>Get-DRAMoveMailboxStatus -Domain MyDomain.corp -Identifier "CN=USER123,OU=Accounting,DC=MyDomain,DC=corp" -ExchangeServer "MyBox12"
```

This example gets the move mailbox status for the user named USER123 in MyDomain.corp. The identifier contains the distinguished name for the user and the Exchange server name is MyBox12.

Get-DRAUser

Synopsis

Gets information about the Active Directory user account specified by the Identifier parameter.

Syntax

```
Get-DRAUser -Domain <String> [-Attributes <String[]>] [-PowersForOperations <String[]>] [-VisiblePropertiesOnly <SwitchParameter>] [-Identifier <String>] [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Get-DRAUser cmdlet returns the properties of the requested user account managed by DRA. The requesting user must have the View All User Properties power. You can view the default list of properties or specify specific properties. See the examples for information on how to view specific properties.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>Attributes</i> [<i><String[]></i>] An array of attributes to retrieve values for. If this parameter is missing, a default list of properties is returned.	false	named		true (ByPropertyName)	false
<i>PowersForOperations</i> [<i><String[]></i>] An array of DRA operation names for which you want the server to return read/write permission information. This parameter is typically used by a UI-based client to hide or disable elements the calling user doesn't have powers for.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>VisiblePropertiesOnly</i> [<SwitchParameter>] A flag to indicate whether DRA should return only properties the caller has powers to view. By default DRA will return an error if the caller requests a property that they do not have powers to view. By specifying this flag, DRA is instructed to not return an error and instead just not return a value for such properties.	false	named		false	false
<i>Identifier</i> <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
<i>Domain</i> <String> The domain of the object in fqdn format. For example: mydomain.corp	true	named		true (ByPropertyName)	false
<i>DRAHostServer</i> [<String>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRAHostPort</i> [<Int32>] The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.	false	named	11192	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRARestServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<i><Int32></i>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?

<CommonParameters>

Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see [About CommonParameters \(http://go.microsoft.com/fwlink/?LinkID=113216\)](http://go.microsoft.com/fwlink/?LinkID=113216).

NOTE: For more information, type "Get-Help Get-DRAUser -detailed". For technical information, type "Get-Help Get-DRAUser -full".

Example 27-23 1

```
PS C:\>Get-DRAUser -Domain MyDomain.corp -Identifier "CN=Alfred
O365,OU=Tax,DC=MYDOM,DC=CORP" -Attributes
"office365DeliverAndForward","office365ForwardingAddress",
"office365FullAccess","office365SendAs"
```

This example requests some of the Office 365 properties for the cloud user named Alfred O365. The Attributes parameter specifies what properties to return. When the Attributes parameter is not present, a default list of properties will be returned.

Example 27-24 2

```
PS C:\>Get-DRAUser -Domain MyDomain.corp -Identifier
"CN=USER123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example requests the properties of the user named USER123 in MyDomain.corp. The identifier contains the distinguished name for the user.

Example 27-25 3

```
PS C:\>Get-DRAUser -Domain MyDomain.corp -Identifier "USER123" -Attributes
"Description","DisplayName",
"Mail","MailNickname","DistinguishedName","FriendlyPath","FriendlyParentPa
th","FriendlyName","IsDisabled","SamAccountName","TrustedForDelegation","O
bjectCategory"
```

This example requests the properties of the user named USER123 in MyDomain.corp. The Attributes parameter specifies what properties to return. When the Attributes parameter is not present, a default list of properties will be returned.

Example 27-26 4

```
PS C:\>Get-DRAUser -Domain MyDomain.corp -Identifier "USER123"
```

This example requests the properties of the user named USER123 in MyDomain.corp. The identifier contains the name for the user. When the name is used, the REST endpoint will first ask the DRA Server for the distinguished name and then request the properties for that user.

Grant-DraCsArchivingPolicy

Synopsis

Assigns a Skype for Business archiving policy to a user.

Syntax

```
Grant-DraCsArchivingPolicy -Domain <String> -PolicyName <String> -  
Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-  
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors  
<SwitchParameter>]  
[-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Grant-DraCsArchivingPolicy cmdlet assigns a Skype for Business archiving policy to the specified user.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>PolicyName</i> <String> The name of the policy to be assigned.	true	named		true (ByPropertyName)	false
<i>Identifier</i> <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Domain <String> The domain of the object in fqdn format. For example: mydomain.corp	true	named		true (ByPropertyName)	false
DRAHostServer [<String>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRAHostPort [<Int32>] The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.	false	named	11192	true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>Force</i> [<i><SwitchParameter></i>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
<i>Timeout</i> [<i><Int32></i>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	false	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					
NOTE: For more information, type "Get-Help Grant-DraCsArchivingPolicy -detailed". For technical information, type "Get-Help Grant-DraCsArchivingPolicy -full".					

Example 27-27 1

```
PS C:\>Grant-DraCsArchivingPolicy -Domain MyDomain.corp -Identifier
"CN=Bob Jones,OU=Accounting,DC=MyDomain,DC=corp" -PolicyName
MyArchivingPolicy
```

This example assigns the MyArchivingPolicy archiving policy to the user Bob Jones.

Grant-DraCsClientPolicy

Synopsis

Assigns a Skype for Business client policy to a user.

Syntax

```
Grant-DraCsClientPolicy -Domain <String> -PolicyName <String> -Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Grant-DraCsClientPolicy cmdlet assigns a Skype for Business client policy to the specified user.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>PolicyName</i> <String> The name of the policy to be assigned.	true	named		true (ByPropertyName)	false
<i>Identifier</i> <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
<i>Domain</i> <String> The domain of the object in fqdn format. For example: mydomain.corp	true	named		true (ByPropertyName)	false
<i>DRAHostServer</i> [<String>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRAHostPort</i> [<Int32>] The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.	false	named	11192	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRARestServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<i><Int32></i>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters>					
Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					
NOTE: For more information, type "Get-Help Grant-DraCsClientPolicy -detailed". For technical information, type "Get-Help Grant-DraCsClientPolicy -full".					

Example 27-28 1

```
PS C:\>Grant-DraCsClientPolicy -Domain MyDomain.corp -Identifier "CN=Bob Jones,OU=Accounting,DC=MyDomain,DC=corp" -PolicyName MyClientPolicy
```

This example assigns the MyClientPolicy client policy to the user Bob Jones.

Grant-DraCsClientVersionPolicy

Synopsis

Assigns a Skype for Business client version policy to a user.

Syntax

```
Grant-DraCsClientVersionPolicy -Domain <String> -PolicyName <String> -Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Grant-DraCsClientVersionPolicy cmdlet assigns a Skype for Business client version policy to the specified user.

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>PolicyName</i> <String> The name of the policy to be assigned.	true	named		true (ByPropertyName)	false
<i>Identifier</i> <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
<i>Domain</i> <String> The domain of the object in fqdn format. For example: mydomain.corp	true	named		true (ByPropertyName)	false
<i>DRAHostServer</i> [<String>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRAHostPort</i> [<Int32>] The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.	false	named	11192	true (ByPropertyName)	false
<i>DRARestServer</i> [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRARestPort</i> [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>IgnoreCertificateErrors</i> [<SwitchParameter>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<SwitchParameter>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<Int32>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	false	false
<p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					

NOTE: For more information, type "Get-Help Grant-DraCsClientVersionPolicy -detailed". For technical information, type "Get-Help Grant-DraCsClientVersionPolicy -full".

Example 27-29 1

```
PS C:\>Grant-DraCsClientVersionPolicy -Domain MyDomain.corp -Identifier
"CN=Bob Jones,OU=Accounting,DC=MyDomain,DC=corp" -PolicyName
MyClientVersionPolicy
```

This example assigns the MyClientVersionPolicy client version policy to the user Bob Jones.

Grant-DraCsLocationPolicy

Synopsis

Assigns a Skype for Business location policy to a user.

Syntax

```
Grant-DraCsLocationPolicy -Domain <String> -PolicyName <String> -  
Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-  
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors  
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]  
[<CommonParameters>]
```

Description

The Grant-DraCsLocationPolicy cmdlet assigns a Skype for Business location policy to the specified user.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>PolicyName</i> <String> The name of the policy to be assigned.	true	named		true (ByPropertyName)	false
<i>Identifier</i> <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
<i>Domain</i> <String> The domain of the object in fqdn format. For example: mydomain.corp	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRAHostServer</i> [<String>]</p> <p>The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRAHostPort</i> [<Int32>]</p> <p>The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<String>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARestPort</i> [<Int32>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<SwitchParameter>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<SwitchParameter>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Timeout [<i><Int32></i>]	false	named	100 seconds	false	false
<p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p> <p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					
<p>NOTE: For more information, type "Get-Help Grant-DraCsLocationPolicy -detailed". For technical information, type "Get-Help Grant-DraCsLocationPolicy -full".</p>					

Example 27-30 1

```
PS C:\>Grant-DraCsLocationPolicy -Domain MyDomain.corp -Identifier "CN=Bob Jones,OU=Accounting,DC=MyDomain,DC=corp" -PolicyName MyLocationPolicy
```

This example assigns the MyLocationPolicy location policy to the user Bob Jones.

Grant-DraCsMobilityPolicy

Synopsis

Assigns a Skype for Business mobility policy to a user.

Syntax

```
Grant-DraCsMobilityPolicy -Domain <String> -PolicyName <String> -
Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Grant-DraCsMobilityPolicy cmdlet assigns a Skype for Business mobility policy to the specified user.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>PolicyName</i> <String></p> <p>The name of the policy to be assigned.</p>	true	named		true (ByPropertyName)	false
<p><i>Identifier</i> <String></p> <p>The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.</p>	true	named		true (ByPropertyName)	false
<p><i>Domain</i> <String></p> <p>The domain of the object in fqdn format. For example: mydomain.corp</p>	true	named		true (ByPropertyName)	false
<p><i>DRAHostServer</i> [<String>]</p> <p>The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRAHostPort</i> [<Int32>]</p> <p>The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<String>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<i><Int32></i>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	false	false
<p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					
<p>NOTE: For more information, type "Get-Help Grant-DraCsMobilityPolicy -detailed". For technical information, type "Get-Help Grant-DraCsMobilityPolicy -full".</p>					

Example 27-31 1

```
PS C:\>Grant-DraCsMobilityPolicy -Domain MyDomain.corp -Identifier "CN=Bob Jones,OU=Accounting,DC=MyDomain,DC=corp" -PolicyName MyMobilityPolicy
```

This example assigns the MyMobilityPolicy mobility policy to the user Bob Jones.

Grant-DraCsPersistentChatPolicy

Synopsis

Assigns a Skype for Business persistent chat policy to a user.

Syntax

```
Grant-DraCsPersistentChatPolicy -Domain <String> -PolicyName <String> -Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Grant-DraCsPersistentChatPolicy cmdlet assigns a Skype for Business persistent chat policy to the specified user.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>PolicyName</i> <String> The name of the policy to be assigned.	true	named		true (ByPropertyName)	false
<i>Identifier</i> <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
<i>Domain</i> <String> The domain of the object in fqdn format. For example: mydomain.corp	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>DRAHostServer</i> [<String>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRAHostPort</i> [<Int32>] The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.	false	named	11192	true (ByPropertyName)	false
<i>DRARestServer</i> [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRARestPort</i> [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
<i>IgnoreCertificateErrors</i> [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
<i>Force</i> [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Timeout [<i><Int32></i>]	false	named	100 seconds	false	false
<p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p> <p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					

NOTE: For more information, type "Get-Help Grant-DraCsPersistentChatPolicy -detailed". For technical information, type "Get-Help Grant-DraCsPersistentChatPolicy -full".

Example 27-32 1

```
PS C:\>Grant-DraCsPersistentChatPolicy -Domain MyDomain.corp -Identifier
"CN=Bob Jones,OU=Accounting,DC=MyDomain,DC=corp" -PolicyName
MyPersistentChatPolicy
```

This example assigns the MyPersistentChatPolicy persistent chat policy to the user Bob Jones.

Grant-DraCsPinPolicy

Synopsis

Assigns a client personal identification number (PIN) policy to a user.

Syntax

```
Grant-DraCsPinPolicy -Domain <String> -PolicyName <String> -Identifier
<String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer
<String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Grant-DraCsPinPolicy cmdlet assigns a Skype for Business PIN policy to the specified user.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>PolicyName</i> <String></p> <p>The name of the policy to be assigned.</p>	true	named		true (ByPropertyName)	false
<p><i>Identifier</i> <String></p> <p>The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.</p>	true	named		true (ByPropertyName)	false
<p><i>Domain</i> <String></p> <p>The domain of the object in fqdn format. For example: mydomain.corp</p>	true	named		true (ByPropertyName)	false
<p><i>DRAHostServer</i> [<String>]</p> <p>The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRAHostPort</i> [<Int32>]</p> <p>The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<String>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<i><Int32></i>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	false	false
<p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					

NOTE: For more information, type "Get-Help Grant-DraCsPinPolicy -detailed". For technical information, type "Get-Help Grant-DraCsPinPolicy -full".

Example 27-33 1

```
PS C:\>Grant-DraCsPinPolicy -Domain MyDomain.corp -Identifier "CN=Bob Jones,OU=Accounting,DC=MyDomain,DC=corp" -PolicyName MyPinPolicy
```

This example assigns the MyPinPolicy PIN policy to the user Bob Jones.

Lock-DRACsClientPin

Synopsis

Locks Skype PIN for the user account specified by the Identifier parameter.

Syntax

```
Lock-DRACsClientPin -Domain <String> -Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Lock-DRACsClientPin cmdlet locks Skype PIN for the specified user account. The requesting user must have the Lock Skype Pin powers.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: mydomain.corp	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRAHostServer</i> [<String>]</p> <p>The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRAHostPort</i> [<Int32>]</p> <p>The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<String>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARestPort</i> [<Int32>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<SwitchParameter>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<SwitchParameter>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Timeout [<i><Int32></i>]	false	named	100 seconds	false	false
<p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p> <p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					

NOTE: For more information, type "Get-Help Lock-DRACsClientPin -detailed". For technical information, type "Get-Help Lock-DRACsClientPin -full".

Example 27-34 1

```
PS C:\>Lock-DRACsClientPin -Domain MyDomain.corp -Identifier
"CN=USER123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example locks Skype PIN for the user named USER123 in MyDomain.corp. The identifier contains the distinguished name for the user.

Move-DraCsUser

Synopsis

Moves a Skype for Business Server enabled user account to a new Registrar pool.

Syntax

```
Move-DraCsUser -Domain <String> -Target <String> [-Force <SwitchParameter>]
-Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Move-DraCsUser cmdlet moves the Skype for Business Server enabled user account specified by the Identifier parameter to a new Registrar pool. The requesting user must have the "Move user to new Skype pool" power.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Target <String></p> <p>The FQDN of the Registrar pool where the user account should be moved. For example, pool1.MyDomain.corp.</p>	true	named		true (ByPropertyName)	false
<p>Force [<SwitchParameter>]</p> <p>If present, moves the user account but deletes any associated user data, such as conferences, that the user has scheduled. If not present, both the account and the associated data are moved.</p>	true	named		true (ByPropertyName)	false
<p>Identifier <String></p> <p>The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.</p>	true	named		true (ByPropertyName)	false
<p>Domain <String></p> <p>The domain of the object in fqdn format. For example: mydomain.corp</p>	true	named		true (ByPropertyName)	false
<p>DRAHostServer [<String>]</p> <p>The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRAHostPort</i> [<i><Int32></i>]</p> <p>The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Timeout</i> [<i><Int32></i>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	false	false
<p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					

NOTE: For more information, type "Get-Help Move-DraCsUser -detailed". For technical information, type "Get-Help Move-DraCsUser -full".

Example 27-35 1

```
PS C:\>Move-DraCsUser -Identifier
"CN=USER123,OU=Accounting,DC=MyDomain,DC=corp" -Target
"pool1.MyDomain.corp"
```

This example moves the user named USER123 in MyDomain.corp to a pool named pool1.MyDomain.corp. Identifier contains the distinguished name of the user and Target contains the FQDN of the Registrar pool to move the user to.

Example 27-36 2

```
PS C:\>Move-DraCsUser -Identifier
"CN=USER123,OU=Accounting,DC=MyDomain,DC=corp" -Target
"pool1.MyDomain.corp" -Force
```

This example moves the user named USER123 in MyDomain.corp to a pool named pool1.MyDomain.corp. Identifier contains the distinguished name of user, Target contains the FQDN of the Registrar pool to move the user to, and Force indicates that the user will be moved but any associated data will be deleted.

Move-DRAUser

Synopsis

Moves a user from one location in Active Directory to another.

Syntax

```
Move-DRAUser -Domain <String> -TargetContainer <String> -Identifier
<String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer
<String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Move-DRAUser cmdlet moves the user named in Identifier to the OU named in the TargetContainer. The requesting user must have the Move User to OU power on the TargetContainer. Supported formats for Identity are friendly name and distinguished name.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>TargetContainer <String></p> <p>The full path to the destination container for the object you are moving, in distinguished name format. For example: - TargetContainer "OU=Accounting,DC=MyDomain,DC=corp".</p>	false	named		true (ByPropertyName)	false
<p>Identifier <String></p> <p>The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.</p>	true	named		true (ByPropertyName)	false
<p>Domain <String></p> <p>The domain of the object in fqdn format. For example: mydomain.corp</p>	true	named		true (ByPropertyName)	false
<p>DRAHostServer [<String>]</p> <p>The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p>DRAHostPort [<Int32>]</p> <p>The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p>DRARestServer [<String>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<i><Int32></i>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	true (ByPropertyName)	false
<p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					

NOTE: For more information, type "Get-Help Move-DRAUser -detailed". For technical information, type "Get-Help Move-DRAUser -full".

Example 27-37 1

```
PS C:\>Move-DRAUser -Domain MyDomain.corp -Identifier  
"CN=Charlie,OU=Accounting,DC=MyDomain,DC=corp" -TargetContainer  
"OU=NewParent,OU=AccountingHomeOffice,DC=MyDomain,DC=corp"
```

This example moves the user named Charlie from the Accounting container to the NewParent container. The identifier contains the distinguished name for the user.

Move-DRAUserMailbox

Synopsis

Moves the user mailbox for the user account specified by the Identifier and MailboxStore parameters.

Syntax

```
Move-DRAUserMailbox -Domain <String> -MailboxStore <String> -Identifier  
<String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer  
<String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors  
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]  
[<CommonParameters>]
```

Description

The Move-DRAUserMailbox cmdlet move user mailbox on the account specified by the Identifier and MailboxStore parameters. The requesting user must have the Move Exchange Mailbox power.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
MailboxStore <String> Full path to the Exchange mailbox store. Use the Get-DRAExchangeStores command to list available mailbox stores managed by DRA.	true	named		false	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Domain <String></p> <p>The domain of the object in fqdn format. For example: mydomain.corp</p>	true	named		true (ByPropertyName)	false
<p>DRAHostServer [<String>]</p> <p>The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p>DRAHostPort [<Int32>]</p> <p>The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p>DRARestServer [<String>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p>DRARestPort [<Int32>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p>IgnoreCertificateErrors [<SwitchParameter>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Force [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p>Timeout [<i><Int32></i>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	true (ByPropertyName)	false
<p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					
<p>NOTE: For more information, type "Get-Help Move-DRAUserMailbox -detailed". For technical information, type "Get-Help Move-DRAUserMailbox -full".</p>					

Example 27-38 1

```
PS C:\>Move-DRAUserMailbox -Domain MyDomain.corp -Identifier
"CN=USER123,OU=Accounting,DC=MyDomain,DC=corp" -MailboxStore "LDAP://
CN=Mailbox Database 0565232367,CN=Databases,CN=Exchange Administrative
Group (FYDIBOHF23SPDLT),CN=Administrative Groups,CN=First,CN=Microsoft
Exchange,CN=Services,CN=Configuration, DC=MyDomain,DC=corp"
```

This example moves the mailbox for the user named USER123 in MyDomain.corp to the new mailbox store specified in MailboxStore parameter. The identifier contains the distinguished name for the user and the new mailbox store is specified in the MailboxStore parameter.

Remove-DRAUser

Synopsis

Removes the user account specified by the Identifier parameter.

Syntax

```
Remove-DRAUser -Domain <String> -Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Remove-DRAUser cmdlet deletes the requested user account. The requesting user must have one of the Delete User powers. If the Recycle Bin is enabled, the specified account is moved to the Recycle Bin.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: mydomain.corp	true	named		true (ByPropertyName)	false
DRAHostServer [<String>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRAHostPort</i> [<i><Int32></i>]</p> <p>The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARESTPort</i> [<i><Int32></i>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<i><Int32></i>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters>					
Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					
NOTE: For more information, type "Get-Help Remove-DRAUser -detailed". For technical information, type "Get-Help Remove-DRAUser -full".					

Example 27-39 1

```
PS C:\>Remove-DRAUser -Domain MyDomain.corp -Identifier
"CN=USER123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example deletes the user named USER123 from MyDomain.corp. The identifier contains the distinguished name for the user. If the Recycle Bin is enabled, the user is moved to the Recycle Bin. Otherwise, it is removed permanently.

Example 27-40 2

```
PS C:\>Remove-DRAUser -Domain MyDomain.corp -Identifier
"CN=USER123,OU=NetIQRecycleBin,DC=MyDomain,DC=corp"
```

This example deletes the user named USER123 from the DRA Recycle Bin, removing it permanently from Active Directory.

Remove-DRAUserArchiveMailbox

Synopsis

Deletes the archive mailbox for the user account specified by the Identifier parameter.

Syntax

```
Remove-DRAUserArchiveMailbox -Domain <String> -Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Remove-DRAUserArchiveMailbox cmdlet deletes the user archive mailbox for the account specified by the Identifier parameter. The requesting user must have the Delete Archive Mailbox power.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Identifier <String></p> <p>The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.</p>	true	named		true (ByPropertyName)	false
<p>Domain <String></p> <p>The domain of the object in fqdn format. For example: mydomain.corp</p>	true	named		true (ByPropertyName)	false
<p>DRAHostServer [<String>]</p> <p>The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p>DRAHostPort [<Int32>]</p> <p>The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p>DRARestServer [<String>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRARESTPort</i> [<Int32>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<SwitchParameter>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<SwitchParameter>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<Int32>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	true (ByPropertyName)	false
<p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					

NOTE: For more information, type "Get-Help Remove-DRAUserArchiveMailbox -detailed". For technical information, type "Get-Help Remove-DRAUserArchiveMailbox -full".

Example 27-41 1

```
PS C:\>Remove-DRAUserArchiveMailbox -Domain MyDomain.corp -Identifier "CN=USER123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example removes the archive mailbox for the user named USER123 in MyDomain.corp. The identifier contains the distinguished name for the user parameter.

Remove-DRAUserMailbox

Synopsis

Removes an Exchange mailbox from the user account specified by the Identifier parameter.

Syntax

```
Remove-DRAUserMailbox -Domain <String> -Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Remove-DRAUserMailbox cmdlet removes a mailbox from an existing user object managed by DRA. The requesting user must have the Delete Mailbox power.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: mydomain.corp	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRAHostServer</i> [<String>]</p> <p>The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRAHostPort</i> [<Int32>]</p> <p>The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<String>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARestPort</i> [<Int32>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<SwitchParameter>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<SwitchParameter>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Timeout [<i><Int32></i>]	false	named	100 seconds	true (ByPropertyName)	false
<p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p> <p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					
<p>NOTE: For more information, type "Get-Help Remove-DRAUserMailbox -detailed". For technical information, type "Get-Help Remove-DRAUserMailbox -full".</p>					

Example 27-42 1

```
PS C:\>Remove-DRAUserMailbox -Domain "MyDomain.corp" -Identifier "CN=USER123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example removes the Exchange mailbox for the account USER123. The identifier contains the distinguished name for the user.

Reset-DRAUserPassword

Synopsis

Resets the password and unlocks the user account specified by the Identifier parameter.

Syntax

```
Reset-DRAUserPassword -Domain <String> [-UserMustChangePasswordAtNextLogin <SwitchParameter>] [-PasswordNeverExpires <SwitchParameter>] [-Password <String>] [-DomainController <String>] -Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Reset-DRAUserPassword cmdlet resets the password on a user account and unlocks it, if needed. The password can be supplied as a parameter or it can be generated by the server. If it is generated by the server, the generated password is returned to the client and the user will be required to change their password the next time they logon.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>UserMustChangePasswordAtNextLogin</i> [<i><SwitchParameter></i>] Sets the user account to require that the user change their password at the next logon.	false	named	true if the DRA Server generates the password, Else false	true (ByPropertyName)	false
<i>PasswordNeverExpires</i> [<i><SwitchParameter></i>] Sets the user account password to never expire.	false	named	false	true (ByPropertyName)	false
<i>Password</i> [<i><String></i>] The value of the new password that should be set on the user account. The password must meet the password policies set for the domain.	false	named		true (ByPropertyName)	false
<i>DomainController</i> [<i><String></i>] The computer name of a specific domain controller to use for the request.	false	named		true (ByPropertyName)	false
<i>Identifier</i> <i><String></i> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Domain <String> The domain of the object in fqdn format. For example: mydomain.corp	true	named		true (ByPropertyName)	false
DRAHostServer [<String>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRAHostPort [<Int32>] The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.	false	named	11192	true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Force [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p>Timeout [<i><Int32></i>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	true (ByPropertyName)	false
<p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					

NOTE: For more information, type "Get-Help Reset-DRAUserPassword -detailed". For technical information, type "Get-Help Reset-DRAUserPassword -full".

Example 27-43 1

```
PS C:\>Reset-DRAUserPassword -Domain "MyDomain.corp" -Identifier "USER123"
-DomainController "MyDC"
```

This example resets the password and unlocks the user account USER123. The request will be sent to the domain controller called MyDC. The DRA Server will generate a password for the user and return it in the response object. The user account will be flagged to require a password change at the next login.

Example 27-44 2

```
PS C:\>Reset-DRAUserPassword -Domain "MyDomain.corp" -Identifier "USER123"
```

This example resets the password and unlocks the user account USER123. The identifier is the name. The DRA Server will generate a password for the user and returns it in the response object. The script will first call the DRA Server to resolve the name to the distinguished name, and then reset the password. The user account will be flagged to require a password change at the next login.

Example 27-45 3

```
PS C:\>Reset-DRAUserPassword -Domain "MyDomain.corp" -Identifier
"CN=USER123,DC=MyDomain,DC=corp" -Password "MyNewPassword!"
```

This example resets the password and unlocks the user account USER123. The password will be set to 'MyNewPassword!'. The user is identified using the distinguished name. The user will not be required to change their password at the next login.

Restore-DRAUser

Synopsis

Restores the specified user from the Recycle Bin.

Syntax

```
Restore-DRAUser -Domain <String> [-DomainController <String>] [-
RestoreToContainer <String>] -Identifier <String> [-DRAHostServer
<String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort
<Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force
<SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Restore-DRAUser cmdlet will restore a previously deleted user from the Recycle Bin to its original container or to a new specified container. Supported formats for the identifier are friendly name and distinguished name. If the full path is specified, it must point to the Recycle Bin (NetIQRecycleBin).

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
DomainController [<i><String></i>] The computer name of a specific domain controller to use for the request.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>RestoreToContainer</i> [<String>]</p> <p>The distinguished name of the container to which you want to restore the object. If this parameter is not specified, DRA will attempt to restore the object to its original container.</p>	false	named		true (ByPropertyName)	false
<p><i>Identifier</i> <String></p> <p>The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.</p>	true	named		true (ByPropertyName)	false
<p><i>Domain</i> <String></p> <p>The domain of the object in fqdn format. For example: mydomain.corp</p>	true	named		true (ByPropertyName)	false
<p><i>DRAHostServer</i> [<String>]</p> <p>The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRAHostPort</i> [<Int32>]</p> <p>The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<String>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<i><Int32></i>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	true (ByPropertyName)	false
<p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					
<p>NOTE: For more information, type "Get-Help Restore-DRAUser -detailed". For technical information, type "Get-Help Restore-DRAUser -full".</p>					

Example 27-46 1

```
PS C:\>Restore-DRAUser -Identifier
"CN=MyUser8,OU=NetIQRecycleBin,DC=MyDomain,DC=corp" -Domain MyDom.corp
```

This example will restore a user named MyUser8 from the NetIQRecycleBin in MyDom.corp. It will be restored to the container from which it was deleted.

Example 27-47 2

```
PS C:\>Restore-DRAUser -Identifier
"CN=MyUser8,OU=NetIQRecycleBin,DC=MyDomain,DC=corp" -RestoreToContainer
"OU=TempCon,DC=MyDomain,DC=CORP" -domain MyDomain.corp
```

This example will restore a user named MyUser8 from the NetIQRecycleBin in MyDomain.corp. It will be restored to the container named TempCon in MyDomain.corp.

Revoke-DraCsClientCertificate

Synopsis

Revokes the client certificates issued to a user in Skype for Business Server.

Syntax

```
Revoke-DraCsClientCertificate -Domain <String> -Identifier <String> [-
DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-
DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force
<SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Revoke-DraCsClientCertificate cmdlet revokes the client certificates for the specified user account. This only deletes the certificates from the server. The requesting user must have the "Remove Skype Certificate for Skype Enabled User" power.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Domain <String> The domain of the object in fqdn format. For example: mydomain.corp	true	named		true (ByPropertyName)	false
DRAHostServer [<String>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRAHostPort [<Int32>] The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.	false	named	11192	true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>Force</i> [<i><SwitchParameter></i>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
<i>Timeout</i> [<i><Int32></i>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	false	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					

NOTE: For more information, type "Get-Help Revoke-DraCsClientCertificate -detailed". For technical information, type "Get-Help Revoke-DraCsClientCertificate -full".

Example 27-48 1

```
PS C:\>Revoke-DraCsClientCertificate -Domain MyDomain.corp -Identifier "CN=USER123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example revokes all the client certificates currently assigned to the user named USER123 in MyDomain.corp. The identifier contains the distinguished name for the user.

Set-DraCsClientPin

Synopsis

Assigns a new PIN to the specified user.

Syntax

```
Set-DraCsClientPin -Domain <String> [-Pin <String>] -Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Set-DraCsClientPin cmdlet sets a new Skype for Business Server PIN for the specified user account. The requesting user must have the "Set Skype Pin" power.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>PIN</i> <String> Optional PIN to be assigned to the user. If you do not include the PIN parameter, then the Skype for Business Server will randomly generate a PIN and assign it to the user.	true	named		true (ByPropertyName)	false
<i>Identifier</i> <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
<i>Domain</i> <String> The domain of the object in fqdn format. For example: mydomain.corp	true	named		true (ByPropertyName)	false
<i>DRAHostServer</i> [<String>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRAHostPort</i> [<Int32>]</p> <p>The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<String>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARestPort</i> [<Int32>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<SwitchParameter>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<SwitchParameter>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<Int32>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters>					
Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					
NOTE: For more information, type "Get-Help Set-DraCsClientPin -detailed". For technical information, type "Get-Help Set-DraCsClientPin -full".					

Example 27-49 1

```
PS C:\>Set-DraCsClientPin -Domain MyDomain.corp -Identifier
"CN=USER123,OU=Accounting,DC=MyDomain,DC=corp" -Pin 123456789
```

This example sets Skype PIN 123456789 for the user named USER123 in MyDomain.corp. The identifier contains the distinguished name for the user.

Example 27-50 2

```
PS C:\>Set-DraCsClientPin -Domain MyDomain.corp -Identifier
"CN=USER123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example auto-generates the Skype PIN for the user named USER123 in MyDomain.corp. The identifier contains the distinguished name for the user.

Set-DraCsUser

Synopsis

Updates the Skype properties of the user account specified by the Identifier parameter.

Syntax

```
Set-DraCsUser -Domain <String> [-Enabled <Boolean>] [-SipAddress <String>]
[-AudioVideoDisabled <Boolean>] [-RemoteCallControlTelephonyEnabled
<Boolean>] [-EnterpriseVoiceEnabled <Boolean>] [-LineURI <String>] [-
LineServerURI <String>] -Identifier <String> [-DRAHostServer <String>] [-
DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```


Description

The Set-DraCsUser cmdlet updates the Skype properties of the specified user account. The requesting user must have the 'Re-Enable Skype For Business for User' power to Re-Enable Skype For Business for User.

In the case of telephony the user should pass the parameters to set the correct telephony value. For example, if the user has set 'AudioVideoDisabled' to \$true initially, when changing the telephony parameter to 'EnterpriseVoiceEnabled' you must pass '-AudioVideoDisabled \$false' and '-EnterpriseVoiceEnabled \$true'.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Enabled [<i><Nullable`1></i>]</p> <p>A Hashtable of property values. The key is the name of a defined property in the REST interface. For example: -Properties @{Description="my description";Location="Houston"}.</p> <p>Multiple values are specified as a comma-separated list. For example: -Properties @{otherTelephones="555-1212", "123-4567"}</p> <p>If the property name contains non-alphanumeric characters it needs to be quoted. For example: -Properties @"VA-DRA-VirtualAttribute=42"</p> <p>If the property value contains a quote it needs to be escaped with a backtick (`). For example: -Properties @{Description="my `test` description"}</p>	false	named		true (ByPropertyName)	false
<p>SipAddress [<i><String></i>]</p> <p>The user's SIP address. For example: MyUserName@Mydomain.com. The SipAddress parameter can not be used simultaneously with the SipAddressType parameter.</p>	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>AudioVideoDisabled [<code><Nullable`1></code>]</p> <p>Setting this parameter to false, which is its default value, enables the user to make audiovisual calls via Skype for Business. Setting this parameter to true will restrict the user to sending and receiving instant messages only.</p> <p>For information about setting the values of Telephony Mode, see Setting up the values for Skype telephony mode.</p>	false	named		true (ByPropertyName)	false
<p>RemoteCallControlTelephonyEnabled [<code><Nullable`1></code>]</p> <p>Setting this parameter to true enables 'Remote Call Control' or 'Remote Call Control Only' for the user when 'AudioVideoDisabled' is also set to true. When enabled, the user must also specify 'LineURI' and 'LineServerURI'.</p> <p>For information about setting the values of Telephony Mode, see Setting up the values for Skype telephony mode.</p>	false	named		true (ByPropertyName)	false
<p>EnterpriseVoiceEnabled [<code><Nullable`1></code>]</p> <p>Setting this parameter to true enables the Enterprise Voice feature in Skype for Business, which is Microsoft's implementation of Voice over Internet Protocol (VoIP). Enabling Enterprise Voice enables users to make telephone calls over the Internet.</p> <p>For information about setting the values of telephony mode, see Setting up the values for Skype telephony mode.</p>	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>LineURI [<i><String></i>]</p> <p>Specifies the phone number assigned to the user. This parameter must be specified in E.164 format and must use the 'TEL:' prefix. For example: TEL:+12345678279. This parameter is mandatory if 'RemoteCallControlTelephonyEnabled' is set to true.</p>	false	named		true (ByPropertyName)	false
<p>LineServerURI [<i><String></i>]</p> <p>The URI of the remote call control telephone gateway assigned to the user. This parameter is mandatory when 'RemoteCallControlTelephonyEnabled' is set to true. This parameter must be prefaced by 'sip:'. For example: sip:user@domain.com.</p>	false	named		true (ByPropertyName)	false
<p>Identifier <i><String></i></p> <p>The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.</p>	true	named		true (ByPropertyName)	false
<p>Domain <i><String></i></p> <p>The domain of the object in fqdn format. For example: mydomain.corp</p>	true	named		true (ByPropertyName)	false
<p>DRAHostServer [<i><String></i>]</p> <p>The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRAHostPort</i> [<i><Int32></i>]</p> <p>The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<i><Int32></i>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters>					
Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					

Setting up the values for Skype telephony mode

Telephony Mode	EnterpriseVoiceEnabled	RemoteCallControlTelephonyEnabled	AudioVideoDisabled
PC-to-PC (default)	false	false	false
Audio/Video disabled	false	false	true
Enterprise Voice	true	false	false
Remote call control	false	true	false
Remote call control only	false	true	true

NOTE: For more information, type "Get-Help Set-DraCsUser -detailed". For technical information, type "Get-Help Set-DraCsUser -full".

Example 27-51 1

```
PS C:\>Set-DraCsUser -Domain MyDomain.corp -Identifier
"CN=USER123,OU=Accounting,DC=MyDomain,DC=corp" -Enabled $true -
AudioVideoDisabled $true
```

This example enables Skype for a temporarily disabled user named USER123 in MyDomain.corp. The identifier contains the distinguished name of the user. Sets 'AudioVideoDisabled' in Skype telephony.

Example 27-52 2

```
PS C:\>Set-DraCsUser -Domain MyDomain.corp -Identifier
"CN=USER123,OU=Accounting,DC=MyDomain,DC=corp" -EnterpriseVoiceEnabled
$true -LineURI "TEL:+12345678279" -AudioVideoDisabled $false
```

This example modifies Skype telephony for a user named USER123 in MyDomain.corp. The identifier contains the distinguished name of the user. Sets EnterpriseVoiceEnabled and LineURI to 'TEL:+12345678279'. Initially, 'AudioVideoDisabled' is set "True" in Skype telephony, so we set it to false here; otherwise passing this command will generate an error.

Example 27-53 3

```
PS C:\>Set-DraCsUser -Domain MyDomain.corp -Identifier
"CN=USER123,OU=Accounting,DC=MyDomain,DC=corp" -Enabled $true -
AudioVideoDisabled $true -RemoteCallControlTelephonyEnabled $true -LineURI
"TEL:+14255551297" -LineServerURI "sip:USER123@MyDomain.corp"
```

This example enables Skype for a temporarily disabled user named USER123 in MyDomain.corp. The identifier contains the distinguished name for the user. Sets Remote Call Control Only (AudioVideoDisabled \$true and RemoteCallControlTelephonyEnabled \$true) in telephony. And LineURI as TEL:+12345678279, LineServerURI as sip:USER123@MyDomain.corp.

Example 27-54 4

```
PS C:\>Set-DraCsUser -Domain MyDomain.corp -Identifier
"CN=USER123,OU=Accounting,DC=MyDomain,DC=corp" -Enabled $false
```

This example temporarily disables Skype for a user named USER123 in MyDomain.corp. The identifier contains the distinguished name for the user.

Set-DRAMoveMailboxStatus

Synopsis

Sets the move mailbox status for the user account specified by the Identifier and Action parameters.

Syntax

```
Set-DRAMoveMailboxStatus -Domain <String> -Action <Int32> -Identifier
<String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer
<String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Set-DRAMoveMailboxStatus cmdlet sets the move mailbox status on the account specified by the Identifier and Action parameters. The requesting user must have the Move Exchange Mailbox power. Action = 0 (clear request) 1 (remove request) 2 (resume request)

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Action <Nullable`1></p> <p>The Action = 0 (clear request) 1 (remove request) 2 (resume request).</p>	false	named		false	false
<p>Identifier <String></p> <p>The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.</p>	true	named		true (ByPropertyName)	false
<p>Domain <String></p> <p>The domain of the object in fqdn format. For example: mydomain.corp</p>	true	named		true (ByPropertyName)	false
<p>DRAHostServer [<String>]</p> <p>The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p>DRAHostPort [<Int32>]</p> <p>The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p>DRARestServer [<String>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<i><Int32></i>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	true (ByPropertyName)	false
<p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					

NOTE: For more information, type "Get-Help Set-DRAMoveMailboxStatus -detailed". For technical information, type "Get-Help Set-DRAMoveMailboxStatus -full".

Example 27-55 1

```
PS C:\>Set-DRAMoveMailboxStatus -Domain MyDomain.corp -Identifier  
"CN=USER123,OU=Accounting,DC=MyDomain,DC=corp" -Action 0
```

This example sets the move mailbox status for the user named USER123 in MyDomain.corp. The identifier contains the distinguished name for the user and the action 0 to clear the move mailbox status.

Set-DRAUser

Synopsis

Updates the properties of the user account specified by the Identifier parameter.

Syntax

```
Set-DRAUser -Domain <String> -Properties <Hashtable> -Identifier <String>  
[-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>]  
[-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-  
Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Set-DRAUser cmdlet modifies the requested user account. The requesting user must have Modify User powers for each of the properties sent in the request.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Properties <Hashtable></p> <p>A Hashtable of property values. The key is the name of a defined property in the REST interface. For example: <code>-Properties @{Description="my description";Location="Houston"}</code></p> <p>Multiple values are specified as a comma-separated list.</p> <p>For example: <code>-Properties @{otherTelephones="555-1212", "123-4567"}</code></p> <p>If the property name contains non-alphanumeric characters it needs to be quoted.</p> <p>For example: <code>-Properties @{"VA-DRA-VirtualAttribute"=42}</code></p> <p>If the property value contains a quote it needs to be escaped with a backtick (`).</p> <p>For example: <code>-Properties @{Description="my `test` description"}</code></p>	true	named		true (ByPropertyName)	false
<p>Identifier <String></p> <p>The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.</p>	true	named		true (ByPropertyName)	false
<p>Domain <String></p> <p>The domain of the object in fqdn format. For example: <code>mydomain.corp</code></p>	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRAHostServer</i> [<String>]</p> <p>The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRAHostPort</i> [<Int32>]</p> <p>The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<String>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARESTPort</i> [<Int32>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<SwitchParameter>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<SwitchParameter>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Timeout [<i><Int32></i>]	false	named	100 seconds	true (ByPropertyName)	false
<p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p> <p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					

NOTE: For more information, type "Get-Help Set-DRAUser -detailed". For technical information, type "Get-Help Set-DRAUser -full".

Example 27-56 1

```
PS C:\>Set-DRAUser -Domain MyDomain.corp -Identifier "USER123" -Properties
@{Manager=CN=George,CN=Users, DC=MYDOMAIN,DC=corp";Description="updated
description";TrustedForDelegation=$true;location="Houston" }
```

This example updates some properties on the user USER123 in MyDomain.corp. The Identifier specifies the name of the user. When the identifier format is the name, the REST endpoint will contact the DRA Server to resolve the name to the full distinguished name.

Example 27-57 2

```
PS C:\>Set-DRAUser -Domain MyDomain.corp -Identifier "CN=Alfred
O365,OU=Tax,DC=MYDOM,DC=CORP" -Properties @{office365SendAsRemove="CN=AAA-
Alfred Don1,OU=Tax,DC=MYDOM,DC=CORP", "CN=AA TestCase6,OU=Tax,DC=MYDOM,
DC=CORP";office365SendOnBehalfAdd="CN=Eric
Jones,OU=Tax,DC=MYDOM,DC=CORP`", "CN=Ron
Jackson,OU=Tax,DC=MYDOM,DC=CORP";office365DeliverAndForward=$true;office36
5ForwardingAddress="CN=Aaron Jackson,OU=Tax,DC=MYDOM,DC=CORP" }
```

This example updates some of the Office 365 properties of the user Alfred O365 in MyDom.corp. The request will remove two users from the Send As list and add two different users to the Send On Behalf list. Note that these multi-valued properties must be enclosed in escaped quotation marks and separated by a comma between each value.

Example 27-58 3

```
PS C:\>Set-DRAUser -Domain MyDomain.corp -Identifier  
"CN=USER123,OU=Accounting,DC=MyDomain,DC=corp" -Properties  
@{Manager="CN=George,CN=Users,DC=MYDOMAIN,DC=corp";TrustedForDelegation=$t  
rue;location="Houston" }
```

This example updates some of the properties of the user USER123 in MyDomain.corp. The identifier contains the distinguished name for the user. Three properties are updated: Manager, Location, and TrustedForDelegation. To see the complete list of available properties, perform a Get-Member command on the object returned from any DRAUser command.

Unlock-DRACsClientPin

Synopsis

Unlocks Skype PIN for the user account specified by the Identifier parameter.

Syntax

```
Unlock-DRACsClientPin -Domain <String> -Identifier <String> [-  
DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-  
DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force  
<SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Unlock-DRACsClientPin cmdlet unlocks Skype PIN for the specified user account. The requesting user must have the Unlock Skype Pin power.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: mydomain.corp	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>DRAHostServer</i> [<String>] The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRAHostPort</i> [<Int32>] The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.	false	named	11192	true (ByPropertyName)	false
<i>DRARestServer</i> [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
<i>DRARestPort</i> [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
<i>IgnoreCertificateErrors</i> [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
<i>Force</i> [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Timeout [<i><Int32></i>]	false	named	100 seconds	false	false
<p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p> <p><CommonParameters></p> <p>Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					
<p>NOTE: For more information, type "Get-Help Unlock-DRACsClientPin -detailed". For technical information, type "Get-Help Unlock-DRACsClientPin -full".</p>					

Example 27-59 1

```
PS C:\>Unlock-DRACsClientPin -Domain MyDomain.corp -Identifier "CN=USER123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example unlocks Skype PIN for the user named USER123 in MyDomain.corp. The identifier contains the distinguished name for the user.

Unlock-DRAUser

Synopsis

Unlocks the user account specified by the Identifier parameter.

Syntax

```
Unlock-DRAUser -Domain <String> [-DomainController <String>] -Identifier <String> [-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Unlock-DRAUser cmdlet unlocks the specified user account, but does not change the password. The requesting user must have one of the Unlock User powers.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DomainController</i> [<i><String></i>]</p> <p>The computer name of a specific domain controller to use for the request.</p>	false	named		true (ByPropertyName)	false
<p><i>RestoreToContainer</i> [<i><String></i>]</p> <p>The distinguished name of the container to which you want to restore the object. If this parameter is not specified, DRA will attempt to restore the object to its original container.</p>	false	named		true (ByPropertyName)	false
<p><i>Identifier</i> <i><String></i></p> <p>The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.</p>	true	named		true (ByPropertyName)	false
<p><i>Domain</i> <i><String></i></p> <p>The domain of the object in fqdn format. For example: mydomain.corp</p>	true	named		true (ByPropertyName)	false
<p><i>DRAHostServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA Host Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRAHostPort</i> [<i><Int32></i>]</p> <p>The port where the DRA Host Service listens for requests. If the parameter is not specified, the value defaults to 11192.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARestPort</i> [<i><Int32></i>]</p> <p>The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.</p>	false	named	8755	true (ByPropertyName)	false
<p><i>IgnoreCertificateErrors</i> [<i><SwitchParameter></i>]</p> <p>Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.</p>	false	named		false	false
<p><i>Force</i> [<i><SwitchParameter></i>]</p> <p>Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.</p>	false	named		false	false
<p><i>Timeout</i> [<i><Int32></i>]</p> <p>The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.</p>	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters>					
Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					
NOTE: For more information, type "Get-Help Unlock-DRAUser -detailed". For technical information, type "Get-Help Unlock-DRAUser -full".					

Example 27-60 1

```
PS C:\>Unlock-DRAUser -Domain MyDomain.corp -Identifier
"CN=USER123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example unlocks the user USER123 in MyDomain.corp. The identifier contains the distinguished name for the user.

28 Workflow Commands

This section contains cmdlets you can execute for Workflow Events.

Add-DRAWWorkflowEvent

Synopsis

Creates a generic Workflow Process event.

Syntax

```
Add-DRAWWorkflowEvent -EventName <String> [-WorkflowParameters <Hashtable>]
[-DRAHostServer <String>] [-DRAHostPort <Int32>] [-DRARestServer <String>]
[-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-
Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Add-DRAWWorkflowEvent cmdlet creates a new generic Workflow Process event. Additional information can be included in the event's iqcmiXMLData attribute using the -WorkflowParameters parameter. The format of WorkflowParameters is a Hashtable of name/value pairs. All values will be converted to strings before being sent to DRA.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>EventName</i> <String> The name of the workflow event to create.	true	named		true (ByPropertyName)	false
<i>WorkflowParameters</i> [<Hashtable>] An optional hashtable of name/value pairs that will be included in the workflow event.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DRAHostServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA Host Service. The DRA REST server will send the requested operation to the DRA Host Service running on the specified computer. If this parameter is not specified, then the DRA REST Service will attempt to discover a DRA Host Service to use.</p>	false	named		true (ByPropertyName)	false
<p><i>DRAHostPort</i> [<i><Int32></i>]</p> <p>The port number of the DRA Host Service. This parameter is only used when the DRAHostServer parameter is also specified. If the DRAHostServer parameter is specified but the DRAHostPort is not, 11192 will be used as the default Host port.</p>	false	named	11192	true (ByPropertyName)	false
<p><i>DRARestServer</i> [<i><String></i>]</p> <p>The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.</p>	false	named		true (ByPropertyName)	false
<p><i>DRARESTPort</i> [<i><Int32></i>]</p> <p>The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARESTPort is not, 8755 will be used as the default REST port.</p>	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>IgnoreCertificateErrors</i> [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
<i>Force</i> [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
<i>Timeout</i> [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216) .					
NOTE: For more information, type "Get-Help Add-DRAWorkflowEvent -detailed". For technical information, type "Get-Help Add-DRAWorkflowEvent -full".					

Example 28-1 1

```
PS C:\>Add-DRAWorkflowEvent -EventName "DraAddToGroupRequest" -
WorkflowParamters @{ Username = "myDomain\demouser"; GroupDn =
"CN=Sales,CN=Users,DC=myDomain,DC=corp" }
```

This example creates a Workflow Process event named `DraAddToGroupRequest`. The event will also contain a formatted XML representation of the `UserName` and `GroupDn` specified in the `WorkflowParameters`. For example:

```
<?xml version="1.0" encoding="utf-16"?>
<parameter-list>
<UserName>myDomain\demouser</UserName>
<GroupDn>CN=Sales,CN=Users,DC=myDomain,DC=corp</GroupDn>
</parameter-list>
```

The XML is stored in the event's `iqcimXMLData` attribute.