
Directory and Resource Administrator PowerShell Cmdlets

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About This Reference

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.

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 a complete list of publications supporting this release, visit the [Documentation website \(https://www.netiq.com/documentation/directory-and-resource-administrator-92/\)](https://www.netiq.com/documentation/directory-and-resource-administrator-92/).

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1 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>] [<CommonParameters>]
```

Description

The Add-DRAUser cmdlet adds a user object 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. 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 display name or distinguished name of an existing Active Directory object. When the display 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>

This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information aboutCommonParameters, see (<http://go.microsoft.com/fwlink/?LinkID=113216>).

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

Example 1-1 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="COMP123" }
```

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 1-2 1

```
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 1-3 1

```
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 1-4 1

```
PS C:\>Add-DRAUser -Domain MyDomain.corp -Properties
@{DistinguishedName="CN=myuser03,OU=SOME-OU,DC=DRDOM610,
"DC=lab";CreateEmail=$true;MailNickname="myuser03";EmailAddress="myuser03@Mycompan
y.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 1-5 1

```
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";Distinguish
edName="CN=myuser04,OU=exec,DC=Mydomain,DC=corp";CreateMailbox=$true;MailNickname=
"myuser04";EmailAddress="myuser04@Mydomain.corp";UseDefaultMailboxStore=$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.

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>] [<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?
<p>Attributes [<code><String[]></code>]</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 [<code><String[]></code>]</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 [<code><SwitchParameter></code>]</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 <code><String></code></p> <p>The display name or distinguished name of an existing Active Directory object. When the display 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

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 Get-DRAUser -detailed". For technical information, type "Get-Help Get-DRAUser -full".

Example 1-6 1

```
PS C:\>Get-DRAUser -Domain MyDomain.corp -Identifier "CN=Alfred
O365,OU=Tax,DC=MYDOM,DC=CORP" -Attributes
"office365DeliverAndForward","office365ForwardingAddress","office365FullAccess","o
ffice365SendAs"
```

This example requests some 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, the REST endpoint will request the default list of properties specified in the Rest service DRARestConfiguration.json file.

Example 1-7 1

```
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 1-8 1

```
PS C:\>Get-DRAUser -Domain MyDomain.corp -Identifier "USER123" -Attributes
"Description","DisplayName",
"Mail","MailNickname","DistinguishedName","FriendlyPath","FriendlyParentPath","Fri
endlyName","IsDisabled","SamAccountName","TrustedForDelegation","ObjectCategory"
```

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, the REST endpoint will request the default list of properties specified in the Rest service DRARestConfiguration.json file.

Example 1-9 1

```
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 display name for the user. When the display name is used, the REST endpoint will first ask the DRA Server for the distinguished name and then request the properties for that user.

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>] [<CommonParameters>]s
```

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. 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 display name or distinguished name of an existing Active Directory object. When the display 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>

This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information about CommonParameters, see (<http://go.microsoft.com/fwlink/?LinkID=113216>).

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

Example 1-10 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 display name of the user. When the identifier format is the display name, the REST endpoint will contact the DRA server to resolve the display name to the full distinguished name.

Example 1-11 1

```
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;office365Forward
ingAddress="CN=Aaron Jackson,OU=Tax,DC=MYDOM,DC=CORP" }
```

This example updates some Office 365 properties on the user Alfred O365 in MyDom.corp. The request will remove 2 users from the Send As list and add 2 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 1-12 1

```
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=$true;loca
tion="Houston" }
```

This example updates some properties on 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.

Get-DRADelegatedPowers

Synopsis

Get delegated powers to 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>] [<CommonParameters>]
```

Description

The Get-DRADelegatedPowers cmdlet get delegated powers for a user.

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?
VisiblePropertiesOnly [<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
Identifier <String> The display name or distinguished name of an existing Active Directory object. When the display 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> <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>	false	named		false	false

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

Example 1-13 1

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

This example get the delegated powers list of the user named Charlie. 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>] [<CommonParameters>]
```

Description

The Enable-DRAUser cmdlet enables the user account specified by the Identifier parameter. The requesting user must have one of the Enable 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
<i>Identifier</i> <String> The display name or distinguished name of an existing Active Directory object. When the display 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?
<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 1-14 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 1-15 1

```
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 display name for the user. The display 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.

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>] [<CommonParameters>]
```

Description

The Disable-DRAUser cmdlet disables the account specified by the Identifier parameter. The requesting user must have one of the Disable User Account powers.

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 display name or distinguished name of an existing Active Directory object. When the display 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

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<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><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-DRAUser -detailed". For technical information, type "Get-Help Disable-DRAUser -full".

Example 1-16 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 display name for the user. The display 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 1-17 1

```
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.

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>] [<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 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

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Identifier <String> The display name or distinguished name of an existing Active Directory object. When the display 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
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>]	false	named		false	false
<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> <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-DRAUser -detailed". For technical information, type "Get-Help Move-DRAUser -full".</p>					

Example 1-18 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.

Remove-DRAUser

SynopsisSynopsis

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>]
[<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?
<p>Identifier <String></p> <p>The display name or distinguished name of an existing Active Directory object. When the display 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
<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information aboutCommonParameters, see (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 1-19 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 1-20 1

```
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.

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>] [<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 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?
<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
<i>Identifier</i> <String> The display name or distinguished name of an existing Active Directory object. When the display 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?
<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-DRAUser -detailed". For technical information, type "Get-Help Restore-DRAUser -full".					

Example 1-21 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 1-22 1

```
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.

Unlock-DRAUser

Synopsis

Unlocks a 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>] [<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> [<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 display name or distinguished name of an existing Active Directory object. When the display 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

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
<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 1-23 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.

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>]
[<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

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 display name or distinguished name of an existing Active Directory object. When the display 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
<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-DRAUserPassword -detailed". For technical information, type "Get-Help Reset-DRAUserPassword -full".

Example 1-24 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 1-25 1

```
PS C:\>Reset-DRAUserPassword -Domain "MyDomain.corp" -Identifier "USER123"
```

This example resets the password and unlocks the user account USER123. The identifier is the display 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 display 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 1-26 1

```
PS C:\>Reset-DRAUserPassword -Domain "MyDomain.corp" -Identifier  
"cn=USER123,DC=MyDomain,DC=corp" -Password "Control123!"
```

This example resets the password and unlocks the user account USER123. The password will be set to 'Control123!'. The user is identified using the distinguished name. The user will not be required to change their password at the next login.

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?
RegistrarPool <String> The Registrar pool. For example, Myserver.Mydomain.corp.	true	named		true (ByPropertyName)	false
SipAddress [<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

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>SipAddressType [<String>]</p> <p>'SamAccountName', 'EmailAddress', and 'UserPrincipalName'. The SipDomain parameter must also be specified if 'FirstLastName' or 'SameAccountName' are specified. This parameter should not be used when specifying a SIP address using the SipAddress parameter.</p>	false	named		true (ByPropertyName)	false
<p>SipDomain [<String>]</p> <p>The user's SIP domain. If SipAddressType parameter is 'FirstLastName' or 'SamAccountName' then SipDomain parameter is required. For example: Mydomain.corp.</p>	false	named		true (ByPropertyName)	false
<p>Identifier <String></p> <p>The display name or distinguished name of an existing Active Directory object. When the display 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

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<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
<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 1-27 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 1-28 1

```
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'.

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 remove user from the Skype for Business Server on the account specified by the Identifier parameter. The requesting user must have the remove user from the Skype for Business Server powers.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Identifier <String></p> <p>The display name or distinguished name of an existing Active Directory object. When the display 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	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 Disable-DraCsUser -detailed". For technical information, type "Get-Help Disable-DraCsUser -full".

Example 1-29 1

```
C:\>Disable-DraCsUser -Domain MyDomain.corp -Identifier
"cn=USER123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example remove the user named USER123 in MyDomain.corp in the Skype for Business Server permanently. The identifier contains the distinguished name for the 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>] [- <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 display name or distinguished name of an existing Active Directory object. When the display 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 Grant-DraCsArchivingPolicy -detailed". For technical information, type "Get-Help Grant-DraCsArchivingPolicy -full".					

Example 1-30 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?
<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 display name or distinguished name of an existing Active Directory object. When the display 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
<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

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<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 Grant-DraCsClientPolicy -detailed". For technical information, type "Get-Help Grant-DraCsClientPolicy -full".

Example 1-31 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 display name or distinguished name of an existing Active Directory object. When the display 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> [<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
<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 1-32 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?
PolicyName <String> The name of the policy to be assigned.	true	named		true (ByPropertyName)	false
Identifier <String> The display name or distinguished name of an existing Active Directory object. When the display 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
<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 Grant-DraCsLocationPolicy -detailed". For technical information, type "Get-Help Grant-DraCsLocationPolicy -full".					

Example 1-33 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 display name or distinguished name of an existing Active Directory object. When the display 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
<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

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<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 Grant-DraCsMobilityPolicy -detailed". For technical information, type "Get-Help Grant-DraCsMobilityPolicy -full".

Example 1-34 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 display name or distinguished name of an existing Active Directory object. When the display 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	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-DraCsPersistentChatPolicy -detailed". For technical information, type "Get-Help Grant-DraCsPersistentChatPolicy -full".					

Example 1-35 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 Skype for Business client version 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 display name or distinguished name of an existing Active Directory object. When the display 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
<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

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<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 Grant-DraCsPinPolicy -detailed". For technical information, type "Get-Help Grant-DraCsPinPolicy -full".

Example 1-36 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 display name or distinguished name of an existing Active Directory object. When the display 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> [<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
<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 1-37 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?
Target <String> The FQDN of the Registrar pool where the user account should be moved. For example, pool1.MyDomain.corp.	true	named		true (ByPropertyName)	false
Force [<SwitchParameter>] 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.	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 display name or distinguished name of an existing Active Directory object. When the display 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
<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>Timeout</i> [<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 Move-DraCsUser -detailed". For technical information, type "Get-Help Move-DraCsUser -full".

Example 1-38 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 1-39 1

```
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.

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 display name or distinguished name of an existing Active Directory object. When the display 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?
<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 Revoke-DraCsClientCertificate -detailed". For technical information, type "Get-Help Revoke-DraCsClientCertificate -full".

Example 1-40 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 <String></i> Optional PIN to be assigned to the user. If you do not include the PIN parameter, then Skype for Business Server will randomly generate a PIN and assign it to the user.	true	named		true (ByPropertyName)	false
<i>Identifier <String></i> The display name or distinguished name of an existing Active Directory object. When the display 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 <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> [<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
<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 1-41 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 1-42 1

```
PS C:\>Set-DraCsClientPin -Domain MyDomain.corp -Identifier
"cn=USER123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example autogenerates 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: <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>	false	named		true (ByPropertyName)	false
<p>SipAddress [<i><String></i>]</p> <p>The user's SIP address. For example: <code>MyUserName@Mydomain.corp</code>. 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 [<Nullable`1>]</p> <p>Setting this parameter to false, which is its default value, allows 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 [<Nullable`1>]</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 [<Nullable`1>]</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 allows 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 [<String>]</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 [<String>]</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 <String></p> <p>The display name or distinguished name of an existing Active Directory object. When the display 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

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

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 1-43 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 1-44 1

```
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 1-45 1

```
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 1-46 1

```
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.

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 display name or distinguished name of an existing Active Directory object. When the display 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	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 Unlock-DRACsClientPin -detailed". For technical information, type "Get-Help Unlock-DRACsClientPin -full".					

Example 1-47 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.

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 Office 365 tenant managed by DRA to query for audio conferencing providers.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p><i>DralIdentity</i> <String></p> <p>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.</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
<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

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Force [<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>Timeout [<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 Get-DraCsAudioConferencingProvider -detailed". For technical information, type "Get-Help Get-DraCsAudioConferencingProvider -full".

Example 1-48 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 has been configured for a specified user.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Identifier <String> The display name or distinguished name of an existing Active Directory object. When the display 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?
<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	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 1-49 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 has been configured for a specified user.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>Identifier</i> <String> The display name or distinguished name of an existing Active Directory object. When the display 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: <i>mydomain.corp</i>	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	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 Get-DraCsUserAcp -detailed". For technical information, type "Get-Help Get-DraCsUserAcp -full".					

Example 1-50 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 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?
<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> [<SwitchParameter>]</p> <p>Flag indicating Skype for Business Online Cmdlet.</p>	false	named		true (ByPropertyName)	false
<p><i>Identifier</i> <String></p> <p>The display name or distinguished name of an existing Active Directory object. When the display 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?
<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	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-DraCsConferencingPolicy -detailed". For technical information, type "Get-Help Grant-DraCsConferencingPolicy -full".

Example 1-51 1

```
PS C:\>Grant-DraCsConferencingPolicy -Domain MyDomain.corp -Identifier "cn=Bob Jones,OU=Accounting,DC=MyDomain,DC=corp" -PolicyName BposSAllModalityNoRec
```

This example assigns the BposSAllModalityNoRec conferencing policy to the user Bob Jones.

Example 1-52 1

```
PS C:\>Grant-DraCsConferencingPolicy -Domain MyDomain.corp -Identifier "cn=Bob Jones,OU=Accounting,DC=MyDomain,DC=corp" -PolicyName BposSAllModalityNoRec -Online
```

This example assigns the BposSAllModalityNoRec conferencing policy to the user Bob Jones. We need to add 'Online' parameter for 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> [<SwitchParameter>] Flag indicating Skype for Business Online Cmdlet.	false	named		true (ByPropertyName)	false
<i>Identifier</i> <String> The display name or distinguished name of an existing Active Directory object. When the display 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
<p>Force [<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?
<i>Timeout</i> [<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-DraCsExternalAccessPolicy -detailed". For technical information, type "Get-Help Grant-DraCsExternalAccessPolicy -full".

Example 1-53 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 1-54 1

```
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 'Online' parameter for 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 display name or distinguished name of an existing Active Directory object. When the display 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
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> <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 Set-DraCsUserAcp -detailed". For technical information, type "Get-Help Set-DraCsUserAcp -full".

Example 1-55 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 "1425551234" -TollFreeNumbers "18005556666", "18005557777", "18005558888" -Url "https://www.teleconference.att.com/servlet/glbAccess"
```

This example assigns ATT Conferencing Skype for Business Online audio conferencing policy to the user Bob Jones and configures the participant passcode, toll number, 3 toll-free numbers and url for the policy.

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 Disable Public Folder Mail power.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Identifier <String> The display name or distinguished name of an existing Active Directory object. When the display 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> [<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
<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 1-56 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 Public Folder Mail power.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Identifier <String> The display name or distinguished name of an existing Active Directory object. When the display 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
<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 Enable-DRAMailPublicFolder -detailed". For technical information, type "Get-Help Enable-DRAMailPublicFolder -full".					

Example 1-57 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?
PublicFolderAndFilter [<Hashtable>] 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.	false	named		true (ByPropertyName)	false
PublicFolderOrFilter [<Hashtable>] Public Folder properties to use for searching Public Folder objects. Public folders matching any of the listed properties will be returned.	false	named		true (ByPropertyName)	false
VisiblePropertiesOnly [<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
GetChildren [<SwitchParameter>] 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.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Recurse [<SwitchParameter>]</p> <p>It specifies whether to retrieve all the childrens of the specified public folder. You can't use the GetChildren parameter with the Recurse parameter.</p>	true	named		false	false
<p>Identifier <String></p> <p>The display name or distinguished name of an existing Active Directory object. When the display 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>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

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
ObjectsPerResponse [<Nullable`1>] The number of objects to return in a response. The default is 250.	false	named		false	false
ResumeString [<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
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
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?
<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	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-DRAPublicFolder -detailed". For technical information, type "Get-Help Get-DRAPublicFolder -full".

Example 1-58 1

```
PS C:\>Get-DRAPublicFolder -ContainerDn "PF=PF1,PF=PublicFolderRoot,DC=corp"
```

This example will enable mail of public folders named MyPublicFolder.

Example 1-59 1

```
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 1-60 1

```
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 3 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 1-61 1

```
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, the REST endpoint will request the default list of properties specified in the Rest service DRARestConfiguration.json file.

Example 1-62 1

```
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 1-63 1

```
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 PublicFolder named MyPublicFolder under PublicFolderRoot in MyDomain.corp. The Attributes parameterspecifies 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?
Name <String> The Name parameter specifies the name for the public folder.	true	named		true (ByPropertyName)	false
Path [<String>] The Path parameter specifies the location of the folder in the folder hierarchy. The following value types can be used: <code>OnePointPath</code> or <code>DistinguishedName</code> or <code>TopLevelPublicFolder\PublicFolder</code> . For example, <code>OnePoint://PF=PublicFolder,DC=MyDomain,DC=corp</code> .	false	named		true (ByPropertyName)	false
Mailbox [<String>] The Mailbox parameter specifies the identity of public folder mailbox hierarchy. The following values can be used: <code>GUID</code> , <code>Distinguished Name</code> , <code>Domain\Account</code> , <code>User principal name</code> , <code>LegacyExchangeDN</code> , <code>SMTP address</code> or <code>Alias</code> .	false	named		true (ByPropertyName)	false
Domain <String> The domain of the object in <code>fqdn</code> format. For example: <code>mydomain.corp</code>	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
<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 New-DRAPublicFolder -detailed". For technical information, type "Get-Help New-DRAPublicFolder -full".					

Example 1-64 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 1-65 1

```
PS C:\>New-DRAPublicFolder -Name "MyPublicFolder" -Mailbox MyMailbox -Domain MyDomain.corp
```

This example will create a new public folder named MyPublicFolder in 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?
<p>Identifier <String></p> <p>The display name or distinguished name of an existing Active Directory object. When the display 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>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 [<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
<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> <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 Remove-DRAPublicFolder -detailed". For technical information, type "Get-Help Remove-DRAPublicFolder -full".

Example 1-66 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

Set 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. 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?
<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: -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?
<p>Identifier <String></p> <p>The display name or distinguished name of an existing Active Directory object. When the display 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
<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 [<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>Timeout [<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 Set-DRAPublicFolder -detailed". For technical information, type "Get-Help Set-DRAPublicFolder -full".

Example 1-67 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 1-68 1

```
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.

Example 1-69 1

```
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 3 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 1-70 1

```
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, the REST endpoint will request the default list of properties specified in the Rest service DRARestConfiguration.json file.

Example 1-71 1

```
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 1-72 1

```
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 PublicFolder named MyPublicFolder under PublicFolderRoot in MyDomain.corp. The Attributes parameterspecifies what properties to return.

2 Groups

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

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>] [<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

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>DynamicFilterIncludeChildren</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.	true	named		false	false
<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.	true	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.	true	named		false	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 display name or distinguished name of an existing Active Directory object. When the display 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
<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>DRAGroupHostPort</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><CommonParameters></p> <p>This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information aboutCommonParameters, see (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					
<p>NOTE: For more information, type "Get-Help Add-DRAGroup -detailed". For technical information, type "Get-Help Add-DRAGroup -full".</p>					

Example 2-1 1

```
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="COMP123sam
"} -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 2-2 1

```
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="COMP123sam
"} -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 2-3 1

```
PS C:\>Add-DRAGroup -Domain MyDomain.corp -Properties
@{DistinguishedName="cn=GROUP123,OU=Accounting,DC=MyDomain,DC=corp";Description="G
roup 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 2-4 1

```
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 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 2-5 1

```
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.

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>] [<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?
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 display name or distinguished name of an existing Active Directory object. When the display 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?
<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
<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-DRAGroup -detailed". For technical information, type "Get-Help Get-DRAGroup -full".					

Example 2-6 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 2-7 1

```
PS C:\>Get-DRAGroup -Domain MyDomain.corp -Identifier "GROUP123" -Attributes  
"Description","DisplayName",  
"DistinguishedName","FriendlyPath","FriendlyParentPath","FriendlyName","SamAccount  
Name"
```

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, the REST endpoint will request the default list of properties specified in the Rest service DRARestConfiguration.json file.

Example 2-8 1

```
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 display name for the group. When the display 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-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>]  
[<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 specify 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 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?
<p>IdentifierClass <String></p> <p>Specifies the object type of Identifier. Valid values are: computer, contact, group, and user.</p>	true	named		true (ByPropertyName)	false
<p>Identifier <String></p> <p>The display name or distinguished name of an existing Active Directory object. When the display 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
<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information aboutCommonParameters, see (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 2-9 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 2-10 1

```
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 2-11 1

```
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 display 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 the default set of properties listed in the Rest Service DRARestConfiguration.json file.

Get-DRAGroupPermissions

Synopsis

Get 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>] [<CommonParameters>]
```

Description

The Get-DRAGroupPermissions cmdlet get a list of trustees of the group named in Identifier. User must be in supported formats for Identifier distinguished name.

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 display name or distinguished name of an existing Active Directory object. When the display 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><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-DRAGroupPermissions -detailed". For technical information, type "Get-Help Get-DRAGroupPermissions -full".</p>					

Example 2-12 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 identifiercontains the distinguished name for the group.

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>] [<CommonParameters>]
```

Description

The Set-DRAGroupPermissions cmdlet set (add or remove) a trustee of the group named in Identifier. -Identifier Supported formats for group Identifier in distinguished name.

Users: a list of users in distinguished name delimited by semicolons.

AccessMode: 1 for GRANT ACCESS; 3 for DENY ACCESS.

Action: 0 add to group trustees list. 1 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 [<String>] An existing Active Directory user objects that should be added or removed from the group permissions. The user identifier can be in either the display name or the distinguished name.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Groups <String> An existing Active Directory user objects that should be added or removed from the group permissions. The user identifier can be in either the display name or the distinguished name.	false	named		true (ByPropertyName)	false
AccessMode <Nullable`1> AccessMode: 1 for GRANT ACCESS; 3 for DENY ACCESS; 4 for GRANT AND DENY ACCESS.	false	named		true (ByPropertyName)	false
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 display name or distinguished name of an existing Active Directory object. When the display 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><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-DRAGroupPermissions -detailed". For technical information, type "Get-Help Set-DRAGroupPermissions -full".

Example 2-13 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 remove a trustee User1 from the group named Group1. Note need to match the grant access mode and permission exactly in order to remove the right one.

Example 2-14 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 remove a trustee User1 from the group named Group1. Note need to match the grant access mode and permission exactly in order to remove the right one.

Example 2-15 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 add a trustee User1 to the group named Group1 with the GRANT ACCESS mode and READ and WRITE permission.

Example 2-16 1

```
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=corp" -
AccessMode 1 -Action 0 -Permission 48
```

This example add trustees User1 and User2 to the group named Group1 with the same GRANT ACCESS mode and READ and WRITE permission.

Example 2-17 1

```
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 add trustees Group11 and Group12 to the group named Group1 with the same GRANT ACCESS mode and READ and WRITE permission.

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>] [<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 [<String[]>] An array of existing Active Directory computer identifiers to add to or remove from the group. An identifier can be either a display name or a distinguished name. When an identifier is a display name, an additional call to the DRA server is made to query for the 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 display 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 display name or a distinguished name. When an identifier is a display name, an additional call to the DRA server is made to query for the distinguished name.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Users [<String[]>] An array of existing Active Directory user identifiers to add to or remove from the group. An identifier can be either a display name or a distinguished name. When an identifier is a display name, an additional call to the DRA server is made to query for the distinguished name.	false	named		true (ByPropertyName)	false
Identifier <String> The display name or distinguished name of an existing Active Directory object. When the display 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><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-DRAGroupMembers -detailed". For technical information, type "Get-Help Add-DRAGroupMembers -full".

Example 2-18 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. Six members are listed: one each of Contacts, Computers and Groups; two Users.

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>][<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 [<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 display name or a distinguished name. When an identifier is a display name, an additional call to the DRA server is made to query for the 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 display name or a distinguished name.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Groups [<String[]>]</p> <p>An array of existing Active Directory group identifiers to add to or remove from the group. An identifier can be either a display name or a distinguished name. When an identifier is a display name, an additional call to the DRA server is made to query for the distinguished name.</p>	false	named		true (ByPropertyName)	false
<p>Users [<String[]>]</p> <p>An array of existing Active Directory user identifiers to add to or remove from the group. An identifier can be either a display name or a distinguished name. When an identifier is a display name, an additional call to the DRA server is made to query for the distinguished name.</p>	false	named		true (ByPropertyName)	false
<p>Identifier <String></p> <p>The display name or distinguished name of an existing Active Directory object. When the display 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

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
<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 2-19 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. Six members are listed: one each of Contacts, Computers and Groups; two Users.

Example 2-20 2

```
PS C:\>RRestore-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

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>] [<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 name, 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 display name or distinguished name of an existing Active Directory object. When the display 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><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-DRAGroup -detailed". For technical information, type "Get-Help Move-DRAGroup -detailedfull".

Example 2-21 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.

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>] [<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 Add-DRAGroup 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
<String> . / <String> .	true	named		true (ByPropertyName)	false
	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 display name or distinguished name of an existing Active Directory object. When the display 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
<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> [<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><CommonParameters></p> <p>This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information aboutCommonParameters, see (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					
<p>NOTE: For more information, type "Get-Help Copy-DRAUser -detailed". For technical information, type "Get-Help Copy-DRAUser -full".</p>					

Example 2-22 1

```
PS C:\>Copy-DRAUser -Identifier "cn=Usersource,OU=Accounting,DC=MyDomain,DC=corp"
-Properties
@{distinguishedName="cn=USER123,OU=Tax,DC=MyDomain,DC=corp";Description="Tax 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 2-23 1

```
PS C:\>Copy-DRAUser -Identifier "cn=Usersource,OU=Accounting,DC=MyDomain,DC=corp"
-Properties
@{distinguishedName="cn=USER123,OU=Tax,DC=MyDomain,DC=corp";Description="Tax 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";UseDefaultMailboxStore=$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 requests the Exchange server to use the default mailbox store.

Example 2-24 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.

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>]
[<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?
<p>Identifier <String></p> <p>The display name or distinguished name of an existing Active Directory object. When the display 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
<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information aboutCommonParameters, see (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 2-25 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 2-26 1

```
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.

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>]  
[<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 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?
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
Identifier <i><String></i> The display name or distinguished name of an existing Active Directory object. When the display 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

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 Restore-DRAGroup -detailed". For technical information, type "Get-Help Restore-DRAGroup -full".					

Example 2-27 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 2-28 1

```
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.

3 Computers

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

Add-DRAComputer

Synopsis

Adds a computer object to an Active Directory domain.

Syntax

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

Description

The Add-DRAComputer cmdlet adds a computer object 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?
<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 display name or distinguished name of an existing Active Directory object. When the display 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>

This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information aboutCommonParameters, see (<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 3-1 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 3-2 1

```
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="COMPL2
3$"}
```

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 3-3 1

```
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>] [<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?
<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?
VisiblePropertiesOnly [<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
Identifier <String> The display name or distinguished name of an existing Active Directory object. When the display 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?
<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
<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-DRAComputer -detailed". For technical information, type "Get-Help Get-DRAComputer -full".

Example 3-4 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 display name for the computer. When the display 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 3-5 1

```
PS C:\>Get-DRAComputer -Domain MyDomain.corp -Identifier "COMPUTER123" -Attributes
"Description", "DisplayName", "AccountThatCanAddComputerToDomain", "DistinguishedName",
" , "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, the REST endpoint will request the default list of properties specified in the Rest service DRARestConfiguration.json file.

Example 3-6 1

```
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.

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>] [<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?
<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 display name or distinguished name of an existing Active Directory object. When the display 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>					
<p>This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information aboutCommonParameters, see (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					
<p>NOTE: For more information, type "Get-Help Set-DRAComputer -detailed". For technical information, type "Get-Help Set-DRAComputer -full".</p>					

Example 3-7 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 3-8 1

```
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 display name of the computer. When the identifier format is the display name, the REST endpoint will contact the DRA server to resolve the display name to the full distinguished name.

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>]
[<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?
<p>Identifier <String></p> <p>The display name or distinguished name of an existing Active Directory object. When the display 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> [<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
<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information aboutCommonParameters, see (http://go.microsoft.com/fwlink/?LinkID=113216).					

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

Example 3-9 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 3-10 1

```
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.

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>]
[<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 name, friendly name and distinguished name. If the full path is specified, it must point to the recycle bin (NetlQRecycleBin).

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 display name or distinguished name of an existing Active Directory object. When the display 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
<p>Force [<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 Restore-DRAComputer -detailed". For technical information, type "Get-Help Restore-DRAComputer -full".					

Example 3-11 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 3-12 1

```
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.

4 Contacts

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

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>] [<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?
<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?
VisiblePropertiesOnly [<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
Identifier <String> The display name or distinguished name of an existing Active Directory object. When the display 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?
<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
<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-DRAContact -detailed". For technical information, type "Get-Help Get-DRAContact -full".

Example 4-1 1

```
PS C:\>Get-DRAContact -Domain MyDomain.corp -Identifier "Contact123" -Attributes
"Description", "DisplayName", "EmployeeId", "DistinguishedName", "FriendlyPath", "Frien
dlyParentPath", "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, the REST endpoint will request the default list of properties specified in the Rest service DRARestConfiguration.json file.

Example 4-2 1

```
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 display name for the contact. When the display 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 4-3 1

```
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.

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>] [<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?
<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 display name or distinguished name of an existing Active Directory object. When the display 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>					
<p>This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information aboutCommonParameters, see (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					
<p>NOTE: For more information, type "Get-Help Set-DRAContact -detailed". For technical information, type "Get-Help Set-DRAContact -full".</p>					

Example 4-4 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 properties on the contact Contact123 in MyDomain.corp. The Identifier specifies the display name of the contact. When the identifier format is the display name, the REST endpoint will contact the DRA server to resolve the display name to the full distinguished name before sending the update request.

Example 4-5 1

```
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 properties on the contact contact123 in MyDomain.corp. The identifier contains the distinguished name for the contact. 3 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.

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>]  
[<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 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?
<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 display name or distinguished name of an existing Active Directory object. When the display 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> [<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 Set-Restore-DRAContact -detailed". For technical information, type "Get-Help Set-Restore-DRAContact -full".					

Example 4-6 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 4-7 2

```
PS C:\>RRestore-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

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>]
[<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?
<p>Identifier <String></p> <p>The display name or distinguished name of an existing Active Directory object. When the display 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
<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information aboutCommonParameters, see (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 4-8 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 4-9 1

```
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.

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>] [<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. 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 display name or distinguished name of an existing Active Directory object. When the display 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>

This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information about CommonParameters, see (<http://go.microsoft.com/fwlink/?LinkID=113216>).

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

Example 4-10 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 4-11 1

```
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'.

5 Servers and Domains

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>] [<CommonParameters>]
```

Description

Find-DRAObjects asks the specified DRA server to search for objects that match the specified filters. The server will return objects on which the requesting user has view object properties 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"}
```

Wild-card 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
ContactOrFilter [<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>DomainAndFilter [<Hashtable>]</i></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><i>DomainOrFilter [<Hashtable>]</i></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><i>DynamicDistributionGroupAndFilter [<Hashtable>]</i></p> <p>The dynamic distribution group properties to use for searching DDG objects. The properties will be combined for the search. DDGs matching all listed properties will be returned.</p>	true	named		true (ByPropertyName)	false
<p><i>DynamicDistributionGroupOrFilter [<Hashtable>]</i></p> <p>The dynamic distribution group properties to use for searching domain objects. DDGs matching any of the listed properties will be returned.</p>	false	named		true (ByPropertyName)	false
<p><i>EquipmentMailboxOrFilter [<Hashtable>]</i></p> <p>The equipment resource mailbox properties to use for searching. Resource mailboxes matching any of the listed properties will be returned.</p>	false	named		true (ByPropertyName)	false
<p><i>GroupAndFilter [<Hashtable>]</i></p> <p>The group properties to use for searching 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 [<Hashtable>]</i></p> <p>The group properties to use for searching 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?
<p><i>OUAndFilter [<Hashtable>]</i></p> <p>The OU properties to use for searching OU objects. The properties will be combined for the search. OUs matching all listed properties will be returned.</p>	false	named		true (ByPropertyName)	false
<p><i>OUOrFilter [<Hashtable>]</i></p> <p>The OU properties to use for searching OU objects. OUs matching any of the listed properties will be returned.</p>	false	named		true (ByPropertyName)	false
<p><i>RoomMailboxOrFilter [<Hashtable>]</i></p> <p>The room resource mailbox properties to use for searching. Resource mailboxes matching any of the listed properties will be returned.</p>	false	named		true (ByPropertyName)	false
<p><i>UserAndFilter [<Hashtable>]</i></p> <p>The user properties to use for searching user objects. The properties will be combined for the search. Users matching all listed properties will be returned.</p>	false	named		true (ByPropertyName)	false
<p><i>UserOrFilter [<Hashtable>]</i></p> <p>The user properties to use for searching user objects. Users matching any of the listed properties will be returned.</p>	false	named		true (ByPropertyName)	false
<p><i>ContainerAndFilter [<Hashtable>]</i></p> <p>The match strings to use when for searching for container objects. Containers matching any of the listed properties will be returned.</p>	false	named		true (ByPropertyName)	false
<p><i>BuiltinContainerAndFilter [<Hashtable>]</i></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

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>BuiltinContainerOrFilter</i> [<Hashtable>] The match strings to use when for searching for builtin container objects. Builtin containers matching any of the listed properties will be returned.	false	named		true (ByPropertyName)	false
<i>ManagedContainersOnly</i> [<SwitchParameter>] 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.	false	named		false	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
<i>ObjectsPerResponse</i> [<Nullable`1>] The number of objects to return in a response. The default is 250.	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>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> [<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
<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 5-1 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 5-2 1

```
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 5-3 1

```
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 5-4 1

```
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>] [<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?
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
ContactOrFilter [<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?
<i>DynamicDistributionGroupAndFilter [<Hashtable>]</i> The dynamic distribution group properties to use for searching DDG objects. The properties will be combined for the search. DDGs matching all listed properties will be returned.	true	named		true (ByPropertyName)	false
<i>DynamicDistributionGroupOrFilter [<Hashtable>]</i> The dynamic distribution group properties to use for searching domain objects. DDGs matching any of the listed properties will be returned.	false	named		true (ByPropertyName)	false
<i>EquipmentMailboxOrFilter [<Hashtable>]</i> The equipment resource mailbox properties to use for searching. Resource mailboxes matching any of the listed properties will be returned.	false	named		true (ByPropertyName)	false
<i>GroupAndFilter [<Hashtable>]</i> The group properties to use for searching 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 [<Hashtable>]</i> The group properties to use for searching group objects. Groups matching any of the listed properties will be returned.	false	named		true (ByPropertyName)	false
<i>RoomMailboxOrFilter [<Hashtable>]</i> The room resource mailbox properties to use for searching. Resource mailboxes 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>UserAndFilter [<Hashtable>]</p> <p>The user properties to use for searching user objects. The properties will be combined for the search. Users matching all listed properties will be returned.</p>	false	named		true (ByPropertyName)	false
<p>UserOrFilter [<Hashtable>]</p> <p>The user properties to use for searching user objects. Users matching any of the listed properties will be returned.</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 [<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>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> [<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
<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-DRADeletedObjects -detailed". For technical information, type "Get-Help Find-DRADeletedObjects -full".

Example 5-5 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 5-6 1

```
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 5-7 1

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

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 5-8 1

```
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.

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>] [<CommonParameters>]
```

Description

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

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Attributes [<code><String[]></code>]</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 [<code><String[]></code>]</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 [<code><SwitchParameter></code>]</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 <code><String></code></p> <p>The display name or distinguished name of an existing Active Directory object. When the display 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

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 <code>about_CommonParameters</code> (http://go.microsoft.com/fwlink/?LinkID=113216).					
NOTE: For more information, type <code>"Get-Help Get-DRAAssignments -detailed"</code> . For technical information, type <code>"Get-Help Get-DRAAssignments -full"</code> .					

Example 5-9 1

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

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

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>] [<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?
<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 Get-DRAServerInfo -detailed". For technical information, type "Get-Help Get-DRAServerInfo -full".					

Example 5-10 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 Admin. If the DRAHostServer parameter is not specified, the command will retrieve information about the local computer.

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>] [<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 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>Domain [<String>]</p> <p>The domain of the object in fqdn format. For example: mydomain.corp</p>	true	named		true (ByPropertyName)	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
<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> [<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
<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information aboutCommonParameters, see (http://go.microsoft.com/fwlink/?LinkID=113216).					
NOTE: For more information, type "Get-Help Get-DRADomain -detailed". For technical information, type "Get-Help Get-DRADomain -full".					

Example 5-11 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 5-12 1

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

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

Get-DRAServersForDomain

Synopsis

Gets the list of DRA servers for specified domain.

Syntax

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

Description

The Get-DRAServerInfo 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?
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
<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information aboutCommonParameters, see (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 5-13 1

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

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

6 Containers

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

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>] [<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 display name or distinguished name of an existing Active Directory object. When the display 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

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
<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 6-1 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 6-2 1

```
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 display name for the container. When the display 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 6-3 1

```
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, the REST endpoint will request the default list of properties specified in the Rest service DRARestConfiguration.json file.

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>] [<CommonParameters>]
```

Description

The Set-DRAContainer cmdlet modifies the requested Container. The requesting user must have one of the Modify OU 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. 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 display name or distinguished name of an existing Active Directory object. When the display 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>					
<p>This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information aboutCommonParameters, see (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					
<p>NOTE: For more information, type "Get-Help Set-DRAContainer -detailed". For technical information, type "Get-Help Set-DRAContainer -full".</p>					

Example 6-4 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.

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>] [<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><i>LDAPQuery</i> <String></p> <p>The complete LDAP query string. You can specify any valid LDAP query string.</p>	true	named		false	false
<p><i>StartRow</i> [<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><i>ContainerDN</i> [<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><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

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
<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
<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-DRALDAPObjects -detailed". For technical information, type "Get-Help Find-DRALDAPObjects -full".

Example 6-5 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 6-6 1

```
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.

7 Built-in Containers

This section contains cmdlets you can execute for the 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>] [<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?
<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 display name or distinguished name of an existing Active Directory object. When the display 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

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<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
<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 7-1 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 display name for the container. When the display 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 7-2 1

```
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 7-3 1

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

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, the REST endpoint will request the default list of properties specified in the Rest service RARestConfiguration.json file.

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>] [<CommonParameters>]
```

Description

The Set-DRABuiltinContainer cmdlet modifies the requested Builtin Container. The requesting user must have one of the Modify OU 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. 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 display name or distinguished name of an existing Active Directory object. When the display 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>

This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information aboutCommonParameters, see (<http://go.microsoft.com/fwlink/?LinkID=113216>).

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

Example 7-4 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.

8 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>] [<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
<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?
<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
<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information aboutCommonParameters, see (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 8-1 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 8-2 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 8-3 1

```
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.

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>] [<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?
<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>PowersForOperations [<String[]>]</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 [<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>Identifier <String></p> <p>The display name or distinguished name of an existing Active Directory object. When the display 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?
<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 8-4 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 8-5 1

```
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 display name for the OU. When the display name is used, the REST endpoint will first ask the DRA Server for the distinguished name and then request the properties for that OU.

Example 8-6 1

```
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, the REST endpoint will request the default list of properties specified in the Rest service DRARestConfiguration.json file.

Set-DRAOU

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>] [<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>Properties <Hashtable></i>	true	named		true (ByPropertyName)	false
<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 (<code>`</code>). For example: <code>-Properties @{Description="my `test` description"}</code></p>					

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Identifier <String></p> <p>The display name or distinguished name of an existing Active Directory object. When the display 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
<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?
Force [<SwitchParameter>]	false	named		false	false
<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> <p><CommonParameters></p> <p>This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information aboutCommonParameters, see (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 8-7 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 properties on the OU OU123 in MyDomain.corp. The Identifier specifies the display name of the OU. When the identifier format is the display name, the REST endpoint will contact the DRA server to resolve the display name to the full distinguished name.

Example 8-8 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 properties on 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.

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>] [<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 display name or distinguished name of an existing Active Directory object. When the display 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?
<CommonParameters>					
Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see <code>about_CommonParameters</code> (http://go.microsoft.com/fwlink/?LinkID=113216).					
NOTE: For more information, type <code>"Get-Help Move-DRAOU -detailed"</code> . For technical information, type <code>"Get-Help Move-DRAOU -full"</code> .					

Example 8-9 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>]
[<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 display name or distinguished name of an existing Active Directory object. When the display 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
<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information aboutCommonParameters, see (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 8-10 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.

9 Dynamic Distribution Groups

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

Add-DRADynamicDistributionGroup

Synopsis

Adds an Exchange dynamic distribution group object 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>] [<CommonParameters>]
```

Description

The Add-DRADynamicDistributionGroup cmdlet adds an Exchange dynamic distribution group object 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 2007, 2010 or 2013.	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 display name or distinguished name of an existing Active Directory object. When the display 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
<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> [<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><CommonParameters></p> <p>This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information aboutCommonParameters, see (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					
<p>NOTE: For more information, type "Get-Help Add-DRADynamicDistributionGroup -detailed". For technical information, type "Get-Help Add-DRADynamicDistributionGroup -full".</p>					

Example 9-1 1

```
PS C:\>Add-DRDynamicDistributionAGroup -Domain MyDomain.corp -Properties
@{FriendlyName="MyDomain.corp/Accounting/GROUP123"; Description="Group for
powershell"; ManagedBy="CN=George,CN=Users,DC=MYDOMAIN,DC=corp"} -ExchangeVersion
"2013"
```

This example creates a dynamic distribution group named GROUP123 in Active Directory using the DRA FriendlyName property. The group will be created using Exchange 2013 in the domain MyDomain.corp in the Accounting OU. There are two properties set on thisgroup: Description and ManagedBy

Example 9-2 1

```
PS C:\>Add-DRADynamicDistributionGroup -Domain MyDomain.corp -Properties
@{DistinguishedName="cn=GROUP123,OU=Accounting,
DC=MyDomain,DC=corp";Description="Group for powershell"} -ExchangeVersion "2010"
```

This example creates a dynamic distribution group named GROUP123 in Active Directory using the DRA DistinguishedName property. The group will be created using Exchange 2010 in the domain MyDomain.corp in the Accounting OU. Description is the onlyproperty set on this group.

Get-DRADynamicDistributionGroupPreview

Synopsis

Preview the objects in a container that would match the conditions of a ddg.

Syntax

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

Description

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

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 display name or distinguished name of an existing Active Directory object. When the display 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><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 9-3 1

```
PS C:\>Get-DRADynamicDistributionGroupPreview -Domain MyDomain.corp -Properties
@{description="some information";
recipientContainer="OU=Tax,DC=MyDomain,DC=corp";ConditionalCustomAttribute1="value
1","value2";ConditionalStateOrProvince="TX","OR";ConditionalDepartment="Accounting
";ConditionalCompany="ACME"}
```

This example will return a list of objects that would match the ddg conditions in the Tax OU in MyDomain.corp. The group members will each have all of the criteria listed for ConditionalCustomAttribute1, ConditionalStateOrProvince, ConditionalDepartment and ConditionalCompan

Set-DRADynamicDistributionGroup

Synopsis

Updates the properties of an existing Exchange 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>] [<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. 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 display name or distinguished name of an existing Active Directory object. When the display 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>					
<p>This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information about CommonParameters, see (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					
<p>NOTE: For more information, type "Get-Help Set-DRADynamicDistributionGroup -detailed". For technical information, type "Get-Help Set-DRADynamicDistributionGroup -full".</p>					

Example 9-4 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=MYDOMAIN,DC=corp";EnableModeration=$true}
```

This example updates some properties on 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 9-5 1

```
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 properties on the group GROUP123 in MyDomain.corp. The Identifier specifies the display name of the group. When the identifier format is the display name, the REST endpoint will contact the DRA server to resolve the display name to the full distinguished name.

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>] [<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 name, 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 display name or distinguished name of an existing Active Directory object. When the display 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

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
<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 9-6 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>] [<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 display name or distinguished name of an existing Active Directory object. When the display 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><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-DRADynamicDistributionGroup -detailed". For technical information, type "Get-Help Remove-DRADynamicDistributionGroup -full".

Example 9-7 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 9-8 1

```
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>]  
[<CommonParameters>]
```

Description

The Restore-DRADynamicDistributionGroup cmdlet will restore a previously deleted DDG 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 display name or distinguished name of an existing Active Directory object. When the display 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

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
<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 9-9 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 9-10 1

```
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.

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>] [<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. 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 display name or distinguished name of an existing Active Directory object. When the display 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>

This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information aboutCommonParameters, see (<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 9-11 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.

10 Microsoft Exchange and Mailboxes

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

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>] [<CommonParameters>]
```

Description

The Add-DRAUserMailbox cmdlet adds a mailbox to an existing user object 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?
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
MailboxType [<String>] 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?
<i>UseDefaultMailboxStore</i> [<SwitchParameter>] Flag denoting if the default Exchange mailbox store should be used when creating the mailbox.	false	named		false	false
<i>MailNickname</i> [<String>] Specifies the Exchange alias for the mailbox. If not specified the sAMAccount name will be used.	false	named		false	false
<i>Identifier</i> <String> The display name or distinguished name of an existing Active Directory object. When the display 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

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
<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information aboutCommonParameters, see (http://go.microsoft.com/fwlink/?LinkID=113216).					

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

Example 10-1 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 10-2 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" -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`.

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>]
[<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>	true	named		true (ByPropertyName)	false
The display name or distinguished name of an existing Active Directory object. When the display 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?
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
Force [<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?
<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-DRAUserMailbox -detailed". For technical information, type "Get-Help Remove-DRAUserMailbox -full".					

Example 10-3 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.

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>] [<CommonParameters>]
```

Description

The Enable-DRAUserEmail cmdlet enables email for the specified user account. The requesting user must have the Enable Email 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.corp</code>.</p>	true	named		false	false
<p><i>Identifier</i> <String></p> <p>The display name or distinguished name of an existing Active Directory object. When the display 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
<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>PublicFolder</i> [<i><SwitchParameter></i>]</p> <p>Specifies that the mailbox is a public folder mailbox. You don't need to specify a value with this switch. This switch is required only if you're enabling a public folder mailbox.</p> <p>Only available in on-premises Exchange for Exchange Server 2013 and later versions.</p>		named		false	false
<p><CommonParameters></p> <p>This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information aboutCommonParameters, see (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					
<p>NOTE: For more information, type "Get-Help Enable-DRAUserEmail -detailed". For technical information, type "Get-Help Enable-DRAUserEmail -full".</p>					

Example 10-4 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.

Move-DRAUserMailbox

Synopsis

Move 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>] [<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 mailbox for User 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 display name or distinguished name of an existing Active Directory object. When the display 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?
<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-DRAUserMailbox -detailed". For technical information, type "Get-Help Move-DRAUserMailbox -full".					

Example 10-5 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 move user 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 MailboxStore parameter.

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>]
[<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 display name or distinguished name of an existing Active Directory object. When the display 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
<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 10-6 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>] [<CommonParameters>]
```

Description

The Enable-DRAGroupEmail cmdlet enables email for the specified group account. The requesting user must have the Enable Email power.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>ExchangeDN <String></i> A Full path to the Exchange service. Use the <code>Get-DRAExchangeServers</code> command to obtain the list of Exchange servers managed through DRA.	true	named		false	false
<i>EmailAddress<String></i> The full email address for the account. For example: MyUserName@mydomain.corp.	true	named		false	false
<i>Identifier <String></i> The display name or distinguished name of an existing Active Directory object. When the display 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 <String></i> The domain of the object in fqdn format. For example: mydomain.corp	true	named		true (ByPropertyName)	false
<i>DRAHostServer [<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> [<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><CommonParameters></p> <p>This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information aboutCommonParameters, see (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					
<p>NOTE: For more information, type "Get-Help Enable-DRAGroupEmail -detailed". For technical information, type "Get-Help Enable-DRAGroupEmail -full".</p>					

Example 10-7 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.

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>]  
[<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 display name or distinguished name of an existing Active Directory object. When the display 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?
<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 10-8 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>] [<CommonParameters>]s
```

Description

The Enable-DRAContactEmail cmdlet enables email for the specified contact account. The requesting user must have the Enable Email 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.corp</code>.</p>	true	named		false	false
<p><i>Identifier</i> <String></p> <p>The display name or distinguished name of an existing Active Directory object. When the display 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
<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?
<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
<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information aboutCommonParameters, see (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 10-9 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-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>] [<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?
VisiblePropertiesOnly [<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
Identifier <String> The display name or distinguished name of an existing Active Directory object. When the display 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?
<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
<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 10-10 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.

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>] [<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> <i>[<SwitchParameter>]</i> 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> <i>[<String>]</i> The pre-Windows 2000 name of the trustee to grant permissions to.	false	named		false	false
<i>Allow</i> [<i><String[]></i>] Array of permission names the trustee will be granted Allow access for.	false	named		false	false
<i>Deny</i> [<i><String[]></i>] Array of permission names the trustee will be given Deny access for.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Undo [<String[]>]</p> <p>Array of permission names to remove for the trustee.</p>	false	named		false	false
<p>Identifier <String></p> <p>The display name or distinguished name of an existing Active Directory object. When the display 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
<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-DRAExchangeMailboxPermissions -detailed". For technical information, type "Get-Help Set-DRAExchangeMailboxPermissions -full".

Example 10-11 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 ntSendAs permission and denied 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 10-12 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 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.

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>]
[<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

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>FirstName [<String>]</p> <p>Specifies the FirstName of the User or GivenName of the contact for which you want to generate the Exchange name.</p>	false	named		true (ByPropertyName)	false
<p>Initials [<String>]</p> <p>Specifies the Initials property of the User or Contact for which you want to generate the Exchange name.</p>	false	named		true (ByPropertyName)	false
<p>LastName [<String>]</p> <p>Specifies the last name property of the User or Contact for which you want to generate the Exchange name.</p>	false	named		true (ByPropertyName)	false
<p>SamAccountName [<String>]</p> <p>Specifies the samAccountName property of the User for which you want to generate the Exchange name.</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?
<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
<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information aboutCommonParameters, see (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 10-13 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-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>] [<CommonParameters>]
```

Description

The Get-DRAExchangeStores cmdlet queries the DRA server for the list of mailbox stores defined on the Exchange server specified by the ExchangeServerPath parameter.

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?
<p>Identifier <String></p> <p>The display name or distinguished name of an existing Active Directory object. When the display 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
<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?
Force [<i><SwitchParameter></i>]	false	named		false	false
<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> <p><CommonParameters></p> <p>This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information aboutCommonParameters, see (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					
<p>NOTE: For more information, type "Get-Help Get-DRAExchangeStores -detailed". For technical information, type "Get-Help Get-DRAExchangeStores -full".</p>					

Example 10-14 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 properties of the mailbox store, such as the distinguished name and the full LDAP path.

Get-DRAExchangeServers

Synopsis

Gets the list of Exchange servers configured to manage the domain specified in the Domain parameter.

Syntax

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

Description

The Get-DRAExchangeAdminGroups cmdlet 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?
Force [<i><SwitchParameter></i>]	false	named		false	false
<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> <p><CommonParameters></p> <p>This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information aboutCommonParameters, see (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					

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

Example 10-15 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-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>] [<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?
Force [<i><SwitchParameter></i>]	false	named		false	false
<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> <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-DRAExchangeConfiguration -detailed". For technical information, type "Get-Help Get-DRAExchangeConfiguration -full".

Example 10-16 1

```
PS C:\>Disable-DRAGroupEmail -Domain MyDomain.corp -Identifier
"cn=GRP123,OU=Accounting,DC=MyDomain,DC=corp"
```

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

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>]
[<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. 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 display name or distinguished name of an existing Active Directory object. When the display 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>					
<p>This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information aboutCommonParameters, see (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 10-17 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.

Add-DRAUserArchiveMailbox

Synopsis

Create 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>]
[<CommonParameters>]
```

Description

The Add-DRAUserArchiveMailbox cmdlet creates an archive mailbox on the user specified by the Identifier. The user must already have an Exchange mailbox. The requesting user must have the create archive mailbox for User power.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<i>ArchiveMailboxName</i> <String> The name of the archive mailbox.	true	named		false	false
<i>MailboxStore</i> <String> Full path to the Exchange mailbox store. Use the <code>Get-DRAExchangeStores</code> command to list available mailbox stores managed by DRA.	true	named		false	false
<i>Identifier</i> <String> The display name or distinguished name of an existing Active Directory object. When the display 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: <code>mydomain.corp</code>	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

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> <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>	false	named		false	false

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

Example 10-18 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"
```

Remove-DRAUserArchiveMailbox

Synopsis

Delete user 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>] [<CommonParameters>]
```

Description

The Remove-DRAUserArchiveMailbox cmdlet delete user archive mailbox on the account specified by the Identifier parameter. The requesting user must have the delete archive mailbox for User power.

Parameters

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
Identifier <String> The display name or distinguished name of an existing Active Directory object. When the display 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?
<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
<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information aboutCommonParameters, see (http://go.microsoft.com/fwlink/?LinkID=113216).					

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

Example 10-19 1

```
PS C:\>Remove-DRAUserArchiveMailbox -Domain MyDomain.corp -Identifier
"cn=USER123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example remove user archive mailbox for the user named USER123 in MyDomain.corp. The identifier contains the distinguished name for the user parameter.

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>] [<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 one of the Disable User Account power.

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>Identifier</i> <i><String></i> The display name or distinguished name of an existing Active Directory object. When the display 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> [<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 Disable-DRAOffice365ArchiveMailbox -detailed". For technical information, type "Get-Help Disable-DRAOffice365ArchiveMailbox -full".					

Example 10-20 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.

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>] [<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 one of 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 display name or distinguished name of an existing Active Directory object. When the display 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
<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-DRAOffice365ArchiveMailbox -detailed". For technical information, type "Get-Help Enable-DRAOffice365ArchiveMailbox -full".

Example 10-21 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.

NOTE:

Get-DRAMoveMailboxStatus

Synopsis

Get 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>] [<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 mailbox for User 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 display name or distinguished name of an existing Active Directory object. When the display 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><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-DRAMoveMailboxStatus -detailed". For technical information, type "Get-Help Get-DRAMoveMailboxStatus -full".</p>					

Example 10-22 1

```
PS C:\>Get-DRAMoveMailboxStatus -Domain MyDomain.corp -Identifier  
"cn=USER123,OU=Accounting,DC=MyDomain,DC=corp" -ExchangeServer "MyBox12"
```

This example get 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.

Set-DRAMoveMailboxStatus

Synopsis

Set 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>] [<CommonParameters>]
```

Description

The Set-DRAMoveMailboxStatus cmdlet get move mailbox status on the account specified by the Identifier and Action parameters. The requesting user must have the move mailbox for User 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?
Action <Nullable`1> The Action = 0 (clear request) 1 (remove request) 2 (resume request).	false	named		false	false
Identifier <String> The display name or distinguished name of an existing Active Directory object. When the display 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?
<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-DRAMoveMailboxStatus -detailed". For technical information, type "Get-Help Set-DRAMoveMailboxStatus -full".					

Example 10-23 1

```
PS C:\>Set-DRAMoveMailboxStatus -Domain MyDomain.corp -Identifier
"cn=USER123,OU=Accounting,DC=MyDomain,DC=corp" -Action 0
```

This example set 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.

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>] [<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?
<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>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 display name or distinguished name of an existing Active Directory object. When the display 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?

<CommonParameters>

This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information aboutCommonParameters, see (<http://go.microsoft.com/fwlink/?LinkID=113216>).

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

Example 10-24 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 10-25 1

```
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.

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>] [<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?
<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
<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

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<p>Identifier <String></p> <p>The display name or distinguished name of an existing Active Directory object. When the display 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
<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?
Force [<i><SwitchParameter></i>]	false	named		false	false
<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> <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 10-26 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 display name for the resource mailbox. When the display name is used, the REST endpoint will first ask the DRA Server for the distinguished name and then request the properties for that resource mailbox.

Example 10-27 1

```
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 10-28 1

```
PS C:\>Get-DRAResourceMailbox -Domain MyDomain.corp -Identifier "RMB_123" -Attributes "Description","DisplayName", "Mail","MailNickname","DistinguishedName","FriendlyPath","FriendlyParentPath","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, result will contain the default list of properties specified in the Rest service DRARestConfiguration.json file.

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>] [<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

Properties <Hashtable>

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 display name or distinguished name of an existing Active Directory object. When the display 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>					
<p>This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information aboutCommonParameters, see (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					
<p>NOTE: For more information, type "Get-Help Set-DRAResourceMailbox -detailed". For technical information, type "Get-Help Set-DRAResourceMailbox -full".</p>					

Example 10-29 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";AdditionalRes
ponseText="sometext" }
```

This example updates some properties on 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 10-30 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 display name of the resource mailbox. When the identifier format is the display name, the REST endpoint will contact the DRA server to resolve the display name to the full distinguished name.

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>] [<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 Resource 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 display name or distinguished name of an existing Active Directory object. When the display 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><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 10-31 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>]  
[<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?
Identifier <String> The display name or distinguished name of an existing Active Directory object. When the display 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?
<CommonParameters>					
<p>This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information aboutCommonParameters, see (http://go.microsoft.com/fwlink/?LinkID=113216).</p>					
<p>NOTE: For more information, type "Get-Help Remove-DRAResourceMailbox -detailed". For technical information, type "Get-Help Remove-DRAResourceMailbox -full".</p>					

Example 10-32 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 10-33 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 10-34 1

```
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>] [<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 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?
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
Identifier <i><String></i> The display name or distinguished name of an existing Active Directory object. When the display 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

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 Restore-DRAResourceMailbox -detailed"`. For technical information, type `"sGet-Help Restore-DRAResourceMailbox -full"`.

Example 10-35 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 10-36 1

```
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.

