

# NetIQ Identity Manager Identity Applications 4.8.6 Patch 4 Release Notes

July 2023

NetIQ Identity Manager Identity Applications 4.8 Service Pack 6 Patch 4 (4.8.6.0400) resolves some of the previous issues. This document outlines how you can apply this patch.

For the list of software fixes and enhancements in the previous release, see [NetIQ Identity Manager 4.8 Service Pack 6 Release Notes](#).

- ◆ “Software Fixes” on page 1
- ◆ “System Requirements” on page 3
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## Software Fixes

This release provides the following software fixes that resolve previous issues in the Identity Applications component:

### User Attribute Labels are Displayed Correctly on My Profile and Users Pages

This patch resolves an issue in Identity Manager 4.8.6 that caused user attributes to display values instead of their labels on the user profile page. (Bug 634026)

For example, there is a user attribute called `Region` in Designer that you can configure to display a drop-down list, `OrganizationUnits` (based on the Global List) containing two labels, `Internal` and `External`, with corresponding values as `ou=Internal,ou=users,o=data` and `ou=External,ou=users,o=data`, respectively. After upgrading to this patch, when you see a user profile on Dashboard, it displays the label `Internal` for the `Region` attribute instead of `ou=Internal,ou=users,o=data` value. Also, while editing the user profile, the `Region` attribute will show proper options for you to add and remove.

## All Items and Links Under the Home Items and Other Categories on the Applications Page are Visible

This patch resolves an issue in Identity Manager 4.8.6 that caused the applications and website links on the Applications page to be occasionally missing under the Home items, Administration, and other user-generated categories. It happened because the REST API request to the `access/ulp/landingItems/v2` endpoint returned null instead of the user's clientID. After upgrading to this patch, the landing items (applications and website links) allowed for the clientID are sorted by categories and successfully listed on the Applications page. (Bug 639001)

## User Profiles Display Date and Time Values in a Proper Format

When you add a time-based attribute, such as **Last Login Time**, as a primary or secondary attribute in the **Card View** or **Other Attributes** in Dashboard's Customization Settings, the user profile shows the date and time of user login in a proper readable format. Before this patch, in Identity Manager 4.8.6, the date and time were displayed in UNIX format, which made it difficult to read. (Bug 646061)

## Form-based Applications Launched From the Application Menu Do Not Display a Blank Page

This patch resolves an issue in Identity Manager 4.8.6 that caused form-based application such as HelpDesk Ticket to occasionally display a blank page when opened from the Applications page. The REST API calls to the `access/rob/ismproperties` and `access/permissions/item` REST endpoints are now synchronous, thus ensuring that the URL for the forms to redirect is returned successfully. (Bug 646111)

## Reminder and Escalation Reminder Templates Updated to Send Proper Emails to the Recipients

The reminder and escalation reminder email templates have been modified to send proper reminder and escalation emails. The application no longer sends content from the notification template to the reminder and escalation emails. (Bug 733003)

## Form Builder: RoleVault.getRolesUserIn Function Modified

Before this release, when the `RoleVault.getRolesUserIn` function made a REST API call to the `/rest/access/assignments/role/list` endpoint, it could retrieve only ten role assignment permissions for a given user. After upgrading to this patch, you can now retrieve information about all roles by adding a second attribute called `true` to the same function.

**Syntax:** Here is the method signature:

```
RoleVault.getRolesUserIn('IDM', '/rest/access/assignments/role/list', userDN, true)
```

(Bug 733004)

## Form Builder: RoleVault.getRoleAssignmentCause Function Modified

Before this release, when the `RoleVault.getRoleAssignmentCause` function made a REST API call to the `/rest/access/assignments/list/v2` endpoint, it could retrieve role assignment cause for only ten roles by default. After upgrading to this patch, you can now retrieve assignment cause for all roles by adding a third attribute called `true` to the same function. (Bug 733005)

**Syntax:** Here is the method signature:

```
RoleVault.getRoleAssignmentCause('IDM', '/rest/access/assignments/list/v2', identityDn, roleDn, true)
```

This function returns the assignment cause for the roles and resources of a given user.

## System Requirements

You must have the following versions at a minimum to apply this patch:

- ◆ eDirectory 9.2.7
- ◆ iManager 3.2.6/Identity Console 1.5
- ◆ Identity Manager 4.8.6/4.8.6.0100/4.8.6.0200

## Supported Upgrade Path

Identity Manager 4.8.6.0400 supports upgrade from version 4.8.6, 4.8.6.0100, or 4.8.6.0200. Choose the upgrade procedure that corresponds to your current base version:

- ◆ [Identity Manager 4.8.6](#)
- ◆ [Identity Manager 4.8.6.0100](#)
- ◆ [Identity Manager 4.8.6.0200](#)

## Upgrading from Identity Manager 4.8.6 Version

Depending on your operating system or deployment platform, follow the instructions below to upgrade Identity Manager directly from version 4.8.6 to 4.8.6.0400:

- ◆ [“Updating This Patch on Linux” on page 3](#)
- ◆ [“Updating This Patch on Windows” on page 6](#)
- ◆ [“Updating Identity Manager Containers” on page 8](#)

## Updating This Patch on Linux

This patch requires you to update the following components based on your requirement:

- ◆ [“Updating Identity Applications” on page 3](#)
- ◆ [“Updating SSPR” on page 5](#)

## Updating Identity Applications

- 1 Stop the Tomcat and NGINX services by executing the following commands:

```
systemctl stop netiq-tomcat.service
```

```
systemctl stop netiq-nginx.service
```

- 2 Navigate to the `/etc/init.d` directory and stop the Golang service by executing the following command:

```
./netiq-golang.sh stop
```

- 3 Now navigate to the `/opt/netiq/idm/apps/tomcat/webapps` directory and take a back up of the `IDMProv.war`, `idmdash.war` and `workflow.war` files in a local directory.

- 4 Delete the following files and directories from the `/opt/netiq/idm/apps/tomcat/webapps` directory:

- ◆ `IDMProv.war`
- ◆ `IDMProv` directory
- ◆ `idmdash.war`
- ◆ `idmdash` directory
- ◆ `workflow.war`
- ◆ `workflow` directory

- 5 Navigate to the `/opt/netiq/idm/apps/sites/forms` directory and take a back up of all the files in a local directory.

- 6 Delete all the files in the `/forms` directory using the following command:

```
rm -r *
```

- 7 Download the `Identity_Manager_APPS_4.8.6_P4.zip` from the [Software Download and License \(https://sld.microfocus.com/\)](https://sld.microfocus.com/) portal and extract the file to a local directory.

- 8 Navigate to the `<extracted location>/Linux` directory.

- 9 Run the following commands:

```
rpm -Uvh netiq-forms-1.0.5.0200-1.noarch.rpm
```

```
rpm -Uvh netiq-userapp-4.8.6.0400-0.noarch.rpm
```

```
rpm -Uvh netiq-workflow-1.6.0.0300-1.noarch.rpm
```

- 10 (Conditional) If you install the rpm as root, add execute permission and user rights for the replaced files:

- 10a Navigate to the `/opt/netiq/idm/apps/tomcat/webapps/` directory and run the following commands:

```
◆chmod +x IDMProv.war idmdash.war workflow.war
```

```
◆chown -R novlua:novlua IDMProv.war idmdash.war workflow.war
```

```
◆chown -R novlua:novlua /opt/netiq/idm/apps/tomcat/conf
```

```
◆chown -R novlua:novlua /opt/netiq/idm/apps/sites
```

- 10b Navigate to the `/opt/netiq/idm/apps/sites` directory and run the following commands:

```
chmod +x forms/
```

```
chown -R novlua:novlua forms/
```

- 11** Navigate to the `/opt/netiq/idm/apps/sites` directory. Run the following command to extract the `IgaFormRendererUI-1.0.5.0200-bundle.tar.gz` and copy the files to the `/forms` directory:

```
tar -zxvf IgaFormRendererUI-1.0.5.0200-bundle.tar.gz -C /opt/netiq/idm/apps/sites/forms/
```

- 12** (Conditional) If SSPR and Identity Applications are installed on the same server, perform the following steps to update SSPR:

**12a** Take a back up of the `sspr.war` file from the `<Identity Applications Tomcat installed location>/webapps` directory in a local directory.

**12b** Delete the `sspr` directory from the `<Identity Applications Tomcat installed location>/webapps` directory.

**12c** Download and extract the `Identity_Manager_SSPR_4.8.6_P1.zip` file.

**12d** Navigate to the `<extracted location>/Linux` directory.

**12e** Run the following command:

```
rpm -Uvh netiq-sspr-4.6.0.1-1.noarch.rpm
```

**12f** (Conditional) If you install the rpm as root, run the following commands to execute permissions and user rights for the replaced war files:

```
chmod +x sspr.war
```

```
chown -R novlua:novlua sspr.war
```

- 13** Delete all the files and directories from the `/opt/netiq/idm/apps/tomcat/temp` and `/opt/netiq/idm/apps/tomcat/work/Catalina` directories.

- 14** Navigate to the `/etc/init.d` directory and start the Golang service by executing the following command:

```
./netiq-golang.sh start
```

- 15** Start the NGINX service by executing the following command:

```
systemctl start netiq-nginx.service
```

- 16** (Conditional) If you are using the PostgreSQL database shipped with Identity Manager, run the following command to restart PostgreSQL:

```
systemctl restart netiq-postgresql.service
```

- 17** Start the Tomcat service:

```
systemctl start netiq-tomcat.service
```

## Updating SSPR

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**NOTE:** Use this method if SSPR is:

- ◆ Installed on a different server than the Identity Applications server.
- ◆ Installed in a Standard Edition.

- 
- 1** Stop the Tomcat service:

```
systemctl stop netiq-tomcat.service
```

- 2 Download the Identity\_Manager\_SSPR\_4.8.6\_P1.zip from the [Software Download and License \(https://sld.microfocus.com/\)](https://sld.microfocus.com/) portal and extract the file.
- 3 Navigate to the <extracted location>/Linux directory.
- 4 Run the following command:

```
rpm -Uvh netiq-sspr-4.6.0.1-1.noarch.rpm
```

- 5 (Conditional) If you install the rpm as root, run the following commands to execute permissions and user rights for the replaced war files:

```
chmod +x sspr.war
```

```
chown -R novlua:novlua sspr.war
```

- 6 Start the Tomcat service:

```
systemctl start netiq-tomcat.service
```

## Updating This Patch on Windows

This patch requires you to update the following components based on your requirement:

- ♦ [“Updating the Identity Applications” on page 6](#)
- ♦ [“Updating the SSPR” on page 7](#)

### Updating the Identity Applications

- 1 From the Windows services, stop the **IDM Apps Tomcat Service**, **NetIQ IGA Form Renderer Service**, and **NetIQ Nginx Service** running on your Identity Applications server.
- 2 Navigate to the <Identity Applications Tomcat installed location>\webapps\ folder and take a backup of the IDMProv.war, idmdash.war, and workflow.war files.
- 3 Delete the following files and folders from the <Identity Applications Tomcat installed location>\webapps\ folder:
  - ♦ IDMProv.war
  - ♦ IDMProv folder
  - ♦ idmdash.war
  - ♦ idmdash folder
  - ♦ workflow.war
  - ♦ workflow folder
- 4 Navigate to the <Identity Applications installed location>\sites\forms folder and take a back up of all the files in a local folder.
- 5 Delete all the files in the forms folder.
- 6 Download the Identity\_Manager\_APPS\_4.8.6\_P4.zip from the [Software Download and License \(https://sld.microfocus.com/\)](https://sld.microfocus.com/) portal and extract the file to a local folder.
- 7 Navigate to the <extracted location>\Windows and copy the IDMProv.war, idmdash.war, and workflow.war files to the <Identity Applications Tomcat installed location>\webapps\ folder.

- 8 Extract the IgaFormRendererUI.zip present in the <extracted location>\Windows folder and copy all the files from the IgaFormRendererUI folder to the <Identity Applications installed location>\sites\forms folder.
- 9 Rename the IgaFormRenderer.exe file in the <extracted location>\Windows folder to IGA-form-renderer-server.
- 10 Replace the IGA-form-renderer-server in the <Identity Applications installed location>\sites folder with the IGA-form-renderer-server renamed in [Step 9](#).
- 11 (Conditional) If SSPR and Identity Applications are installed on the same server, perform the following steps:
  - 11a Take a back up of the sspr.war file from the <Identity Applications Tomcat installed location>\webapps\ folder in a local folder.
  - 11b Download and extract the Identity\_Manager\_SSPR\_4.8.6\_P1.zip file.
  - 11c Navigate to the <extracted location>/Windows directory.
  - 11d Copy the sspr.war file from the extracted location to <Identity Applications Tomcat installed location>\webapps\ folder.
- 12 Delete all the files and folders from the <Identity Applications Tomcat installed location>\temp and <Identity Applications Tomcat installed location>\work\Catalina folders.
- 13 (Optional) Navigate to the C:\NetIQ\idm\apps\tomcat\conf\ folder and set com.netiq.idm.rbpm.updateConfig-On-StartUp flag to true in the ism-configuration.properties file.
- 14 From the Windows services, start the **IDM Apps Tomcat Service**, **NetIQ Nginx Service**, and **NetIQ IGA Form Renderer Service** on your Identity Applications server.

## Updating the SSPR

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**NOTE:** Use this method if SSPR is:

- ♦ Installed on a different server than the Identity Applications server.
  - ♦ Installed in a Standard Edition.
- 

- 1 From the Windows services, stop the **Tomcat Service** running on your SSPR server.
- 2 Take a back up of the sspr.war file from the <Identity Applications Tomcat installed location>\webapps\ folder in a local folder.
- 3 Download the Identity\_Manager\_SSPR\_4.8.6\_P1.zip from the [Software Download and License \(https://sld.microfocus.com/\)](https://sld.microfocus.com/) portal and extract the file.
- 4 Navigate to the <extracted location>/Windows directory.
- 5 Copy the sspr.war file from the extracted location to <Identity Applications Tomcat installed location>\webapps\ folder.
- 6 Delete all the files and folders from the <Identity Applications Tomcat installed location>\temp and <Identity Applications Tomcat installed location>\work folders.
- 7 From the Windows services, start the **IDM Apps Tomcat Service** on your Identity Applications server.

## Updating Identity Manager Containers

This section provides information on updating the Identity Applications, Form Renderer, and SSPR containers of Identity Manager. These steps can be used to update both single and distributed servers.

- ♦ [“Updating Identity Applications Container” on page 8](#)
- ♦ [“Updating Form Renderer Container” on page 8](#)
- ♦ [“Updating SSPR Container” on page 9](#)

### Updating Identity Applications Container

1. Stop the existing docker container by using the `docker stop` command.

For example: `docker stop <container_id>`

2. Remove the docker container by using the `docker rm` command.

For example: `docker rm <container_id>`

3. Delete the Identity Applications docker image by using the `docker rmi` command.

For example, `docker rmi <image_id>`

4. Navigate to the location where you have extracted the `Identity_Manager_APPS_4.8.6_P4_Containers.tar.gz` file.

5. Navigate to the `docker-images` directory.

6. Run the following command to load the image:

```
docker load --input IDM_486_P4_identityapplication.tar.gz
```

7. (Conditional) To update the container on distributed servers, use the following command:

```
docker run -d --ip=192.168.0.7 --network=idmoverlaynetwork --hostname=identityapps.example.com -p 18543:18543 --name=idappscontainer -v /etc/hosts:/etc/hosts -v /data:/config --stop-timeout 100 identityapplication:idm-4.8.6.0400
```

8. (Conditional) To update the container on single server, use the following command:

```
docker run -d --network=host --name=idapps-container -v /data:/config --stop-timeout 100 identityapplication:idm-4.8.6.0400
```

### Updating Form Renderer Container

1. Stop the existing docker container by using the `docker stop` command.

For example: `docker stop <container_id>`

2. Remove the docker container by using the `docker rm` command.

For example: `docker rm <container_id>`

3. Delete the form renderer docker image by using the `docker rmi` command.

For example, `docker rmi <image_id>`

4. Navigate to the location where you have extracted the `Identity_Manager_APPS_4.8.6_P4_Containers.tar.gz` file.

5. Navigate to the `docker-images` directory.

6. Run the following command to load the image:



```
docker load --input IDM_486_P4_formrenderere.tar.gz
```

7. (Conditional) To update the containers on distributed servers, use the following command:

```
docker run --restart unless-stopped -d --ip=192.168.0.8 --  
network=idmoverlaynetwork --hostname=formrenderere.example.com -p  
8600:8600 --name=fr-container -v /etc/hosts:/etc/hosts -v /data:/config  
-e SILENT_INSTALL_FILE=/config/silent.properties --stop-timeout 100  
formrenderere:idm-4.8.6.0400
```

8. (Conditional) To update the containers on single server, use the following command:

```
docker run --restart unless-stopped -d --network=host --name=frcontainer  
-v /data:/config -e SILENT_INSTALL_FILE=/config/  
silent.properties --stop-timeout 100 formrenderere:idm-4.8.6.0400
```

## Updating SSPR Container

1. Stop the existing docker container by using the `docker stop` command.

For example: `docker stop <container_id>`

2. Remove the docker container by using the `docker rm` command.

For example: `docker rm <container_id>`

3. Delete the SSPR docker image by using the `docker rmi` command.

For example, `docker rmi <image_id>`

4. Navigate to the location where you have extracted the `Identity_Manager_APPS_4.8.6_P4_Containers.tar.gz` file.

5. Navigate to the `docker-images` directory.

6. Run the following command to load the image:

```
docker load --input IDM_486_P1_sspr.tar.gz
```

7. (Conditional) To update the containers on distributed servers, use the following command:

```
docker run -d --ip=192.168.0.11 --network=idmoverlaynetwork --  
hostname=sspr.example.com --name=sspr-container -v /etc/hosts:/etc/hosts -v /  
data/sspr:/config -p 8443:8443 --stop-timeout 100 sspr/sspr-webapp:4.6.0.1
```

8. (Conditional) To update the containers on single server, use the following command:

```
docker run -d --network=host --name=sspr-container -v /data/sspr:/config --  
stop-timeout 100 sspr/sspr-webapp:4.6.0.1
```

## Upgrading from Identity Manager 4.8.6.0100/4.8.6.0200 Version

Depending on your operating system, follow the instructions below upgrade Identity Manager from 4.8.6.0100/4.8.6.0100 to 4.8.6.0400:

- ♦ [“Updating Identity Applications on Linux” on page 10](#)
- ♦ [“Updating Identity Applications on Windows” on page 11](#)
- ♦ [“Updating Identity Applications Containers” on page 12](#)

## Updating Identity Applications on Linux

- 1 Stop the Tomcat and NGINX services by executing the following commands:

```
systemctl stop netiq-tomcat.service
```

```
systemctl stop netiq-nginx.service
```

- 2 Navigate to the `/etc/init.d` directory and stop the Golang service by executing the following command:

```
./netiq-golang.sh stop
```

- 3 Navigate to the `/opt/netiq/idm/apps/tomcat/webapps` directory and take a back up of the `IDMProv.war`, `idmdash.war`, and `workflow.war` files in a local directory.

- 4 Delete the following files and directories from the `/opt/netiq/idm/apps/tomcat/webapps` directory:

- ♦ `IDMProv.war`
- ♦ `IDMProv` directory
- ♦ `idmdash.war`
- ♦ `idmdash` directory
- ♦ `workflow.war`
- ♦ `workflow` directory

- 5 Navigate to the `/opt/netiq/idm/apps/sites/forms` directory and take a back up of all the files in a local directory.

- 6 Delete all the files in the `/forms` directory using the following command:

```
rm -r *
```

- 7 Download the `Identity_Manager_APPS_4.8.6_P4.zip` from the [Software License and Download \(https://sld.microfocus.com/\)](https://sld.microfocus.com/) portal and extract the file to a local directory.

- 8 Navigate to the `<extracted location>/Linux` directory.

- 9 Run the following commands:

```
rpm -Uvh netiq-forms-1.0.5.0200-1.noarch.rpm
```

```
rpm -Uvh netiq-userapp-4.8.6.0400-0.noarch.rpm
```

```
rpm -Uvh netiq-workflow-1.6.0.0300-1.noarch.rpm
```

- 10 (Conditional) If you install the rpm as root, add execute permission and user rights for the replaced files:

- 10a Navigate to the `/opt/netiq/idm/apps/tomcat/webapps/` directory and run the following commands:

```
♦chmod +x IDMProv.war idmdash.war workflow.war
```

```
♦chown -R novlua:novlua IDMProv.war idmdash.war workflow.war
```

```
♦chown -R novlua:novlua /opt/netiq/idm/apps/tomcat/conf
```

```
♦chown -R novlua:novlua /opt/netiq/idm/apps/sites
```

**10b** Navigate to the `/opt/netiq/idm/apps/sites` directory and run the following commands:

```
chmod +x forms/  
chown -R novlua:novlua forms/
```

**11** Navigate to the `/opt/netiq/idm/apps/sites` directory. Run the following command to extract the `IgaFormRenderUI-1.0.5.0200-bundle.tar.gz` and copy the files to the `/forms` directory:

```
tar -zxvf IgaFormRenderUI-1.0.5.0200-bundle.tar.gz -C /opt/netiq/idm/apps/  
sites/forms/
```

**12** Delete all the files and directories from the `/opt/netiq/idm/apps/tomcat/temp` and `/opt/netiq/idm/apps/tomcat/work/Catalina` directories.

**13** Navigate to the `/etc/init.d` directory and start the Golang service by executing the following command:

```
./netiq-golang.sh start
```

**14** Start the NGINX service by executing the following command:

```
systemctl start netiq-nginx.service
```

**15** (Conditional) If you are using the PostgreSQL database shipped with Identity Manager, run the following command to restart PostgreSQL:

```
systemctl restart netiq-postgresql.service
```

**16** Start the Tomcat service:

```
systemctl start netiq-tomcat.service
```

## Updating Identity Applications on Windows

- 1 From the Windows services, stop the **IDM Apps Tomcat Service**, **NetIQ IGA Form Renderer Service** and **NetIQ Nginx Service** running on your Identity Applications server.
- 2 Navigate to the `<Identity Applications Tomcat installed location>\webapps\` folder and take a back up of the `IDMProv.war`, `workflow.war`, and `idmdash.war` files in a local folder.
- 3 Delete the following files and folders from the `<Identity Applications Tomcat installed location>\webapps\` folder.
  - ◆ `IDMProv.war`
  - ◆ `IDMProv` folder
  - ◆ `idmdash.war`
  - ◆ `idmdash` folder
  - ◆ `workflow.war`
  - ◆ `workflow` folder
- 4 Navigate to the `<Identity Applications installed location>\sites\forms` folder and take a back up of all the files in a local folder.
- 5 Delete all the files in the `forms` folder.
- 6 Download the `Identity_Manager_APPS_4.8.6_P4.zip` from the [Software Download and License \(https://sld.microfocus.com/\)](https://sld.microfocus.com/) portal and extract the file to a local folder.

- 7 Navigate to the <extracted location>\Windows and copy the IDMPProv.war, idmdash.war, and workflow.war files to the <Identity Applications Tomcat installed location>\webapps\ folder.
- 8 Extract the IgaFormRendererUI.zip present in the <extracted location>\Windows folder and copy all the files from the IgaFormRendererUI folder to the <Identity Applications installed location>\sites\forms folder.
- 9 Rename the IgaFormRenderer.exe file in the <extracted location>\Windows folder to IGA-form-renderer-server.
- 10 Replace the IGA-form-renderer-server in the <Identity Applications installed location>\sites folder with the IGA-form-renderer-server renamed in Step 9.
- 11 Delete all the files and folders from the <Identity Applications Tomcat installed location>\temp and <Identity Applications Tomcat installed location>\work\Catalina\ folders.
- 12 (Optional) Navigate to the C:\NetIQ\idm\apps\tomcat\conf\ folder and set com.netiq.idm.rbpm.updateConfig-On-StartUp flag to true in the ism-configuration.properties file.
- 13 From the Windows services, start the **NetIQ Nginx Service**, **NetIQ IGA Form Renderer Service**, and **IDM Apps Tomcat Service** on your Identity Applications server.

## Updating Identity Applications Containers

This section provides information on updating the Identity Applications and form renderer containers of Identity Manager. These steps can be used to update both single and distributed servers.

- ♦ [“Updating Identity Applications Container” on page 12](#)
- ♦ [“Updating Form Renderer Container” on page 13](#)

### Updating Identity Applications Container

1. Stop the existing docker container by using the `docker stop` command.

For example: `docker stop <container_id>`

2. Remove the docker container by using the `docker rm` command.

For example: `docker rm <container_id>`

3. Delete the Identity Applications docker image by using the `docker rmi` command.

For example, `docker rmi <image_id>`

4. Navigate to the location where you have extracted the Identity\_Manager\_APPS\_4.8.6\_P4\_Containers.tar.gz file.

5. Navigate to the docker-images directory.

6. Run the following command to load the image:

```
docker load --input IDM_486_P4_identityapplication.tar.gz
```

7. (Conditional) To update the container on distributed servers, use the following command:

```
docker run -d --ip=192.168.0.7 --network=idmoverlaynetwork --hostname=identityapps.example.com -p 18543:18543 --name=idappscontainer -v /etc/hosts:/etc/hosts -v /data:/config --stop-timeout 100 identityapplication:idm-4.8.6.0400
```

8. (Conditional) To update the container on single server, use the following command:

```
docker run -d --network=host --name=idapps-container -v /data:/config --stop-timeout 100 identityapplication:idm-4.8.6.0400
```

### Updating Form Renderer Container

1. Stop the existing docker container by using the `docker stop` command.

For example: `docker stop <container_id>`

2. Remove the docker container by using the `docker rm` command.

For example: `docker rm <container_id>`

3. Delete the form renderer docker image by using the `docker rmi` command.

For example, `docker rmi <image_id>`

4. Navigate to the location where you have extracted the `Identity_Manager_APPS_4.8.6_P4_Containers.tar.gz` file.

5. Navigate to the `docker-images` directory.

6. Run the following command to load the image:

```
docker load --input IDM_486_P4_formrenderer.tar.gz
```

7. (Conditional) To update the containers on distributed servers, use the following command:

```
docker run --restart unless-stopped -d --ip=192.168.0.8 --network=idmoverlaynetwork --hostname=formrenderer.example.com -p 8600:8600 --name=fr-container -v /etc/hosts:/etc/hosts -v /data:/config -e SILENT_INSTALL_FILE=/config/silent.properties --stop-timeout 100 formrenderer:idm-4.8.6.0400
```

8. (Conditional) To update the containers on single server, use the following command:

```
docker run --restart unless-stopped -d --network=host --name=frcontainer -v /data:/config -e SILENT_INSTALL_FILE=/config/silent.properties --stop-timeout 100 formrenderer:idm-4.8.6.0400
```

## Known Issue

NetIQ strives to ensure our products provide quality solutions for your enterprise software needs. There are no new issues other than the issues mentioned in the [NetIQ Identity Manager 4.8 Service Pack 6 Release Notes](#). If you need further assistance with any issue, please contact [Technical Support](#).

## Contact Information

Our goal is to provide documentation that meets your needs. If you have suggestions for improvements, please email [Documentation-Feedback@netiq.com](mailto:Documentation-Feedback@netiq.com) (<mailto:Documentation-Feedback@netiq.com>). We value your input and look forward to hearing from you.

For detailed contact information, see the [Support Contact Information website](#).

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