NetIQ Identity Manager Identity Applications 4.8.7 Patch 1 Release Notes

July 2023

NetIQ Identity Manager Identity Applications 4.8 Service Pack 7 Patch 1 (4.8.7.0100) 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 7 Release Notes.

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Software Fixes

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

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 733006)`

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.

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

This patch resolves an issue in a previous release that caused user attributes to display values instead of their labels on the user profile page. `(Bug 739001)`

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.

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

This patch resolves an issue in a previous release 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 739002)`

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 `(Bug 739003)`

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

This patch resolves an issue in a previous release 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 739004)`

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, the date and time were displayed in UNIX format, which made it difficult to read. `(Bug 739005)`

System Requirements

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

- ◆ eDirectory 9.2.8

- Identity Console 1.7
- Identity Manager 4.8.7

Updating Identity Manager to This Patch

You must be on Identity Manager 4.8.7 at a minimum to apply this patch.

Depending on your operating system or deployment platform, follow the instructions below to upgrade Identity Applications to 4.8.7.0100 version:

- "Updating This Patch on Linux" on page 3
- "Updating This Patch on Windows" on page 4
- "Updating Identity Manager Containers" on page 5

Updating This Patch on Linux

1 Stop the Tomcat service by executing the following command:

```
systemctl stop netiq-tomcat.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 `idmdash.war` file in a local directory.

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

- `idmdash.war`
- `idmdash` 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_4.8.7_P1.zip` from the Software Download and License (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-4.8.7.0100-0.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 idmdash.war`

- `chown -R novlua:novlua idmdash.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 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 (Conditional) If you are using the PostgreSQL database shipped with Identity Manager, run the following command to restart PostgreSQL:

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

15 Start the Tomcat service:

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

Updating This Patch on Windows

1 From the Windows services, stop the **IDM Apps Tomcat Service** and **NetIQ IGA Form Renderer Service** running on your Identity Applications server.

2 Navigate to the `<Identity Applications Tomcat installed location>\webapps\` folder and take a backup of the `idmdash.war` file in a local folder.

3 Delete the `idmdash.war` file and `idmdash` folder from the `<Identity Applications Tomcat installed location>\webapps\` folder:

4 Navigate to the `<Identity Applications installed location>\sites\forms` folder and take a back up of all the files in a local directory.

5 Delete all the files in the `forms` folder.

6 Download the `Identity_Manager_APPS_4.8.7_P1.zip` from the Software Download and License (https://sld.microfocus.com/) portal and extract the file to a local folder.

7 Navigate to the `<extracted location>\Windows` and copy the `idmdash.war` file 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.exe`.

10 Replace the `IGA-form-renderer-server.exe` in the `<Identity Applications installed location>\sites` folder with the `IGA-form-renderer-server.exe` 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 **IDM Apps Tomcat Service** and **NetIQ IGA Form Renderer Service** on your Identity Applications server.

Updating Identity Manager 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 5
- "Updating Form Renderer Container" on page 5

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_4.8.7_P1_Containers.tar.gz` file.

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

6. Run the following command to load the image:

   `docker load --input IDM_487_P1_identityapplication.tar.gz`

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

   ```
   docker run --restart unless-stopped -d --ip=192.168.0.7 --
   network=idmoverlaynetwork --hostname=identityapps.example.com -p 18543:18543 -
   -name=idapps-container -v /etc/hosts:/etc/hosts -v /data:/config --stop-
   timeout 100 identityapplication:idm-4.8.7.0100
   ```

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

   ```
   docker run --restart unless-stopped -d --network=host --name=idapps-container -
   v /data:/config --stop-timeout 100 identityapplication:idm-4.8.7.0100
   ```

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 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_4.8.7_P1_Containers.tar.gz` file.

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

6. Run the following command to load the image:

   ```
   docker load --input IDM_487_P1_formrenderer.tar.gz
   ```

7. (Conditional) To update the container 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 --stop-timeout 100
   formrenderer:idm-4.8.7.0100
   ```

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

   ```
   docker run --restart unless-stopped -d --network=host --name=fr-container -v /
   data:/config --stop-timeout 100 formrenderer:idm-4.8.7.0100
   ```

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, 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). We value your input and look forward to hearing from you.

For detailed contact information, see the Support Contact Information website.

For general corporate and product information, see the NetIQ Corporate website.

For interactive conversations with your peers and NetIQ experts, become an active member of our community. The NetIQ online community provides product information, useful links to helpful resources, blogs, and social media channels.

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