

NetIQ Identity Manager Identity Applications 4.7 Service Pack 1 HotFix 1 Release Notes

September 2018



NetIQ Identity Manager Identity Applications 4.7 Service Pack 1 Hotfix 1 resolves specific previous issues. This document outlines why you should install this hotfix.

For the list of software fixes and enhancements in the previous release, see [NetIQ Identity Manager 4.7 Service Pack 1 Release Notes](#).

To download this product, see the [Identity Manager Product](#) Web site.

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1 What's New?

This component of Identity Manager 4.7 Service Pack 1 Hotfix 1 provides support for the following component versions:

- ◆ JRE 1.8.181
- ◆ Tomcat 8.5.32
- ◆ PostgreSQL 9.6.10

For the list of software fixes and enhancements in Identity Manager 4.7 and 4.7.1, see the appropriate Release Notes on the [Identity Manager Documentation](#) page.

2 Prerequisites

You must be on Identity Manager 4.7.1 at a minimum.

3 Software Fixes

- ◆ Bug 1100743 - Improved search ability on dynamically populated requests in idmdash Task section.
- ◆ Bug 1104526 - The 'My Profile' page displays all options and icons properly.
- ◆ Bug 1100562 - High CPU utilization for nrfrequests objects with approval configured and nrfstatus=0.
- ◆ Bug 1101127 - The `wwsdk.jar` file is updated to support mutual authentication from Identity Applications workflows.

- ♦ Bug 1107933 - The cursor behaves properly and consistently throughout the user interface.
- ♦ Bug 1094296 - The Access Request screen displays the language translation correctly.
- ♦ Bug 1107260 - The 'Home Item permission' tile is visible only to users with appropriate rights to the PRD.

4 Updating This HotFix on Linux

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4.1 Updating to JRE 1.8 Update 181

- 1 (Optional) Back up all the files from the `/opt/netiq/common/jre` location.
- 2 Download and extract the `IDM47-APPS-SP1_HF1.zip` file from the [download site](#).
- 3 Navigate to the **Jre > linux > 64bit** directory in the extracted file and update jre to the latest version.

Example: `rpm -Uvh netiq-jrex-1.8.0-181.x86_64.rpm`

4.2 Updating to Tomcat 8.5.32

- 1 Stop the Tomcat service.
- 2 (Optional) Back up all the files from the `/opt/netiq/idm/apps/tomcat` location.
- 3 Download and extract the `IDM47-APPS-SP1_HF1.zip` file from the [download site](#).
- 4 Navigate to the **Tomcat > linux** directory in the extracted file and update the rpm.

Example: `rpm -Uvh netiq-idmtomcat-8.5.32-0.noarch.rpm`

- 5 Start the Tomcat service.

4.3 Updating to PostgreSQL 9.6.10

- 1 Download and extract the `IDM47-APPS-SP1_HF1.zip` file from the [download site](#).
- 2 Navigate to the **Postgres > linux** directory in the extracted file and run the `pg-upgrade.sh` script.

The upgrade script performs the following actions:

- ♦ Takes a backup of the existing postgres to a different folder. For example, from `/opt/netiq/idm/postgres` to `/opt/netiq/idm/postgres-201810221903-backup`.
- ♦ Updates the existing Postgres directory. For example, `/opt/netiq/idm/postgres`.

- 3 Specify the following details to complete the installation:

Existing Postgres install location: Specify the location where PostgreSQL is installed. For example, `/opt/netiq/idm/postgres`.

Existing Postgres Data Directory: Specify the location of the existing PostgreSQL data directory. For example, `/opt/netiq/idm/postgres/data`.

Existing Postgres Database Password: Specify the PostgreSQL password.

4.4 Updating the Identity Applications

- 1 Stop the Tomcat service.
- 2 Back up all the directories and files from the `/opt/netiq/idm/apps/tomcat/webapps` location.
- 3 Delete the following directories in `/opt/netiq/idm/apps/tomcat/webapps`:
 - ◆ `IDMProv`
 - ◆ `idmadmin`
 - ◆ `idmdash`
- 4 Download and extract the `IDM47-APPS-SP1_HF1.zip` file from the [download site](#).
- 5 Navigate to the **packages** directory in the extracted file and copy the following files to `<Tomcat-installed-location>/webapps`:
 - ◆ `IDMProv.war`
 - ◆ `idmadmin.war`
 - ◆ `idmdash.war`
- 6 Run the following command to execute permissions and user rights for the replaced war files respectively:
 - ◆ `chmod +x IDMProv.war idmdash.war idmadmin.war`
 - ◆ `chown -R novlua:novlua IDMProv.war idmdash.war idmadmin.war`
- 7 Delete all the directories and files under `<Tomcat-installed-location>/temp` and `<Tomcat-installed-location>/work`.
- 8 Start the Tomcat service.

5 Updating This HotFix on Windows

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5.1 Updating to JRE 1.8 Update 181

- 1 Stop the Tomcat service and all java processes.
- 2 Back up all the files from `<userapps-installed-location>\jre`.
- 3 Download and extract the `IDM47-APPS-SP1_HF1.zip` file from the [download site](#).
- 4 Navigate to the **Jre > windows > 64bit** folder in the extracted file and select the 64-bit jre version. Copy all the files and replace it in `<userapps-installed-location>\jre`.

NOTE: You must import the certificates from the existing Java cacerts to the new cacerts file.

- 5 Start the Tomcat service.

5.2 Updating to Tomcat 8.5.32

- 1 Stop the Tomcat service.
- 2 Back up all the folders and files from `<userapps-installed-location>\tomcat`.

- 3 Download and extract the `IDM47-APPS-SP1_HF1.zip` file from the [download site](#).
- 4 Navigate to the **Tomcat > windows** folder in the extracted file. Copy all the files and folders except **conf** and **webapps** folder and replace it in the respective folders in `<userapps-installed-location>\tomcat`.

NOTE: Do not delete the existing files or folders.

- 5 Navigate to the **conf** folder in the extracted file and copy the `catalina.policy` to `<userapps-installed-location>\tomcat\conf`.
- 6 (Optional) Cleanup the catalina logs.
- 7 Start the Tomcat service.

5.3 Updating to PostgreSQL 9.6.10

(Conditional) If you are using PostgreSQL as your database, this service pack requires you to update your existing PostgreSQL database version to 9.6.10.

- 1 Stop and disable the PostgreSQL service.
- 2 Rename the existing postgres folder in the installed location.
For example, rename postgres to postgres9.6.9.
- 3 Delete the old PostgreSQL service by running the following command:

```
sc delete "postgres_service_name"
```


For example, `sc delete "postgresql-x64-9.6"`
- 4 Download and extract the `IDM47-APPS-SP1_HF1.zip` file from the [download site](#).
- 5 Navigate to the `<extractlocation>\IDM47-APPS-SP1_HF1\Postgres\windows` folder and run the `NetIQ_PostgreSQL.exe` file.

NOTE

- ◆ You must choose a location other than the current installation location of PostgreSQL.
 - ◆ Do not provide any database details in the **PostgreSQL** page.
 - ◆ You must deselect the **Create database login account** and **Create empty database** options.
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- 6 Stop the newly installed PostgreSQL service. Go to **Services**, search for PostgreSQL version service, and stop the service.

NOTE: Appropriate users can perform stop operations after providing valid authentication.

- 7 Change the permissions for the newly installed PostgreSQL directory by performing the following actions:
 - ◆ Create a postgres user:
 1. Go to **Control Panel > User Accounts > User Accounts > Manage Accounts**.
 2. Click **Add a user account**.
 3. In the **Add a User** page, specify `postgres` as the user name and provide a password for the user.
 - ◆ Provide permissions to postgres user to the existing and newly installed PostgreSQL folders:
 1. Right click the PostgreSQL folder and go to **Properties > Security > Edit**.

2. Select **Full Control for the user** to provide complete permissions.
 3. Click **Apply**.
- 8 Access the PostgreSQL folder as postgres user.
1. Login to the server as postgres user.
Before logging in, make sure that postgres can connect to the Windows server by verifying if a remote connection is allowed for this user.
 2. Delete the data folder from the new postgres install location.
For example, C:\NetIQ\idm\apps\postgres\data.
 3. Open a command prompt and set PGPASSWORD by using the following command:
set PGPASSWORD=your pg password
 4. Change to the newly installed PostgreSQL folder.
For example, C:\NetIQ\idm\apps\postgres\bin.
 5. Execute initdb as postgres database user from the new PostgreSQL **bin** directory.
initdb.exe -D <new_data_directory> -E <Encoding> UTF8 -U postgres
For example, initdb.exe -D C:\NetIQ\idm\apps\postgres\data -E UTF8 -U postgres
- 9 Upgrade PostgreSQL from new PostgreSQL **bin** directory. Run the following command and click **Enter**:
- ```
pg_upgrade.exe --old-datadir "C:\NetIQ\idm\apps\postgres9.6.9\data" --new-datadir
"C:\NetIQ\idm\apps\postgres\data" --old-bindir
"C:\NetIQ\idm\apps\postgres9.6.9\bin" --new-bindir
"C:\NetIQ\idm\apps\postgres\bin"
```
- 10 After successful upgrade, replace the pg\_hba.conf and postgresql.conf files located in the new postgres data directory (C:\NetIQ\idm\apps\postgres\data) with the files from old postgres directory (C:\NetIQ\idm\apps\postgres9.6.9\data).
- 11 Start the upgraded PostgreSQL database service.  
Go to **Services**, search for the upgraded PostgreSQL service, and start the service.

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**NOTE:** Appropriate users can perform start operations after providing valid authentication.

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- 12 (Optional) Delete the old data files from the **bin** directory of the newly installed PostgreSQL service.
1. Log in as postgres user.
  2. Navigate to the bin directory and run analyze\_new\_cluster.bat and delete\_old\_cluster.bat files.
- For example, C:\NetIQ\idm\apps\postgresql969\bin

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**NOTE:** Run this file only if you want to delete the old data files.

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## 5.4 Updating Identity Applications

- 1 Stop the Tomcat service.
- 2 Back up all the files from the <Tomcat-installed-location>\webapps folder.

- 3 Delete the following folders in <Tomcat-installed-location>\webapps\ location:
  - ◆ IDMProv
  - ◆ idmadmin
  - ◆ idmdash
- 4 Download and extract the IDM47-APPS-SP1\_HF1.zip file from the [download site](#).
- 5 Navigate to the **packages** folder in the extracted file and replace the following files to the <Tomcat-installed-location>\webapps\ location:
  - ◆ IDMProv.war
  - ◆ idmadmin.war
  - ◆ idmdash.war
- 6 Delete all the files and folders under <Tomcat-installed-location>\temp and <Tomcat-installed-location>\work.
- 7 Start the Tomcat service.

## 6 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.

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