Access Manager 4.5 Service Pack 2 Hotfix 2 Release Notes

September 2020

Access Manager 4.5 Service Pack 2 Hotfix 2 (4.5.2.2) supersedes Access Manager 4.5 Service Pack 2 Hotfix 1.

For the list of software fixes and enhancements in the previous release, see Access Manager 4.5 Service Pack 2 Hotfix 1 Release Notes (https://www.netiq.com/documentation/access-manager-45/accessmanager452-hf1-release-notes/data/accessmanager452-hf1-release-notes.html).

For information about Access Manager support lifecycle, see the Product Support Lifecycle page.

If you have suggestions for documentation improvements, click comment on this topic at the top or bottom of the specific page in the HTML version of the documentation posted at the Documentation (https://www.netiq.com/documentation/access-manager/) page.

Software Fixes

This release includes the following software fixes:

Component	Bug ID	Issue
Access Gateway	270030	When the SameSite cookie is enabled in Access Gateway, and two or more cookies are available with the same name, Access Gateway changes the sequence of the cookies in the response header to the browser.
		Therefore, when the browser sends cookies to the web server, it sends in the reverse order. This, in turn, impacts the processing of the request at the web server.
Access Gateway	269068	Apache processes a request multiple times, causing duplicate transactions at the backend web server.

Verifying Version Numbers Before Upgrading to 4.5.2.2

To ensure that you have the Access Manager 4.5 files before upgrading to Access Manager 4.5.2.2, verify the existing Access Manager version by clicking **Troubleshooting > Version**.

Upgrading to Access Manager 4.5.2.2

IMPORTANT: In a cluster setup, ensure that you install the hotfix on each node of the Access Manager setup.

Downloading the Hotfix

The hotfix helps in upgrading to the latest Access Manager with ease.

If you have multiple components installed on the same system, the hotfix installation process takes care of updating all the binaries of these components. For example, if you have both Identity Server and Administration Console installed on a system, installing the hotfix takes care of updating the binaries of Identity Server and Administration Console.

IMPORTANT: Ensure that you are currently on Access Manager 4.5.2 before upgrading to Access Manager 4.5.2.2.

To download Access Manager 4.5.2.2, perform the following steps:

1 Go to NetIQ Downloads Page.
2 Under **Patches**, click **Search Patches**.
3 Specify `AM_4522.zip` in the search box and download the file.
4 Save the hotfix file to the server running Access Manager. If you have multiple servers in your set up, ensure that you copy this zip file to all the servers.

   NOTE: This hotfix is not required for Analytics Server.

Upgrading to Access Manager 4.5.2.2 on Linux

You can upgrade to Access Manager 4.5.2.2 by using the proceeding steps. This requires few manual interventions to continue the upgrade process. If you do not require any manual intervention while upgrading to the hotfix, see "Silent Hotfix Upgrade on Linux" on page 3.

NOTE: This installation is not applicable for Analytics Server.

1 Extract the hotfix file by using the `unzip AM_4522.zip` command.

After extraction, the following files and folders are created in the `AM_4522` folder:

Table 1   Files and folders created in the AM_4522 folder after extracting the hotfix installer ZIP file

File/Folder Name	Description
`rpm`	Contains rpm files for the hotfix to run on a Linux server.
`installPtool.sh`	Script to install the hotfix and the hotfix tool on a Linux server.
`installPatch.sh`	Script to install the hotfix tool and the updated binaries on a Linux server.

2 Log in as the root user.

3 (Conditional) To automate the hotfix installation, perform the steps mentioned in "Silent Hotfix Upgrade on Linux" on page 3, else continue with Step 4.

4 Go to the location where you have extracted the hotfix files.

5 Run the `installPatch.sh` command.

This command installs the hotfix and the bundled binaries.

NOTE: To manage the Access Manager hotfix file, refer to "Managing Hotfix" on page 4.

 If the hotfix is already installed, the installer exits with a message.

Upgrading to Access Manager 4.5.2.2 on Windows

If you do not require any manual intervention while upgrading to the hotfix, see "Silent Hotfix Upgrade on Windows" on page 4.

Perform the following steps to install the hotfix on Windows manually:

1 Extract the files from `AM_4522.zip`.

2 Run command prompt as an administrator.

3 Run the `installPtool.cmd` command.

This installs the hotfix binaries on the Windows system.

NOTE: To manage the Access Manager hotfix file, refer to "Managing Hotfix" on page 4.

Silent Hotfix Upgrade on Linux

Perform the following steps to automate the installation of the hotfix:

1 Go to `/opt/novell/nam/patching/bin/` and add the following in the `patch` file:

-Dcom.netiq.nam.patching.enableautomation=true

This updates the patch file as following:

```
/opt/novell/java/bin/java -cp ../lib/*: \
-Dcom.netiq.nam.patching.enableautomation=true -
Djava.util.logging.config.file=logging.properties
com.netiq.nam.patching.PatchInstaller $@
```

2 Run the following command at `/opt/novell/nam/patching/bin/`:

```
./patch -i /<path where you extracted the hotfix>/AM_4522/AM_4522-10.patch
```

Silent Hotfix Upgrade on Windows

Perform the following steps on the command prompt to automate the installation of the hotfix:

1 Go to `C:\Program Files\Novell\patching\bin` and add the following in the `patch` file:

-Dcom.netiq.nam.patching.enableautomation=true

This updates the patch file as following:

```
-Dcom.netiq.nam.patching.enableautomation=true -
Djava.util.logging.config.file=logging.properties
com.netiq.nam.patching.PatchInstaller $@
```

2 Run the following command at `C:\Program Files\Novell\patching\bin`:

```
patch.cmd -i /<path where you extracted the hotfix>/AM_4522/AM_4522-10.patch
```

Managing Hotfix

1. After the hotfix is installed, go to the following folder:
   - **For Linux:** `/opt/novell/nam/patching/bin`
   - **For Windows:** `C:\Program Files\Novell\patching\bin`

2. Use the following options to manage the Access Manager hotfix file:

Option	Description	Command on Linux server	Command on Windows server
-qa	Lists all installed hotfixes.	`patch -qa`	`patch.cmd -qa`
-q	Lists details of an installed hotfix.	`patch -q` Example: `patch -q HF2-10`	`patch.cmd -q` Example: `patch.cmd -q HF2-10`
-i	Installs a hotfix. During installation of a hotfix, all running services are stopped temporarily. After a hotfix is installed, all services are restarted and details of the operation are written to log files.	`patch -i <location and hotfix name>` Example: `patch -i /opt/novell/nam/Patches/AM_4522/AM_4522-10.patch`	`patch.cmd -i <location and hotfix name>` Example: `patch.cmd -i C:/Patches/AM_4522/AM_4522-10.patch`

Option	Description	Command on Linux server	Command on Windows server
`-e`	Removes an installed hotfix. The hotfix maintains content relationship among hotfixes. So, if you have installed hotfix 1 and hotfix 2, hotfix 1 cannot be removed without removing hotfix 2. This is because hotfix 2 contains details of hotfix 1 as well. During the hotfix process, all the running services are stopped temporarily.	`patch -e <hotfix name>` Example: `patch -e HF2-10`	`patch.cmd -e <hotfix name>` Example: `patch.cmd -e HF2-10`
`-qpl`	Lists details of a hotfix that is not installed. If you want to view the changes that are included in the hotfix file without installing it on your server, use this option	`patch -qpl <location and hotfix name>` Example: `patch -qpl /opt/ novell/nam/Patches/ AM_4522/ AM_4522- 10.patch`	`patch.cmd -qpl <location and hotfix name>` Example: `patch.cmd -qpl C:/Patches/AM_4522/ AM_4522-10.patch`
`-v`	Verifies integrity of a hotfix.	`patch -v <location and hotfix name>` Example: `patch -v /opt/ novell/nam/Patches/ AM_4522/ AM_4522- 10.patch`	`patch.cmd -v <location and hotfix name>` Example: `patch.cmd -v C:/ Patches/AM_4522/ AM_4522-10.patch`
`-t`	Verifies if services can be restored by the installer. Use this option to stop/start all services after the installation of hotfix.	`patch -t <location and hotfix name>` Example: `patch -t /opt/ novell/nam/Patches/ AM_4522/ AM_4522- 10.patch`	`patch.cmd -t <location and hotfix name>` Example: `patch.cmd -t C:/Patches/AM_4522/ AM_4522-10.patch`

Verifying Version Numbers After Upgrading to 4.5.2.2

After upgrading to Access Manager 4.5.2.2, verify that the version number of the component is indicated as **4.5.2.2-10**. To verify the version number, perform the following steps:

1 In Administration Console Dashboard, click **Troubleshooting > Version**.

2 Verify that the **Version** field displays **4.5.2.2-10**.

Known Issues

Access Manager 4.5.2.2 has no known issues.

Contact Information

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