

# Access Manager 4.5 Service Pack 3 Release Notes

August 2020

Access Manager 4.5 Service Pack 3 (4.5.3) includes enhancements, improves usability, and resolves several previous issues.

Many of these improvements are made in direct response to suggestions from our customers. We thank you for your time and valuable input. We hope you continue to help us ensure our products meet all your needs. You can post feedback in the [Access Manager forum](#) on our community website that also includes product notifications, blogs, and product user groups.

For information about the previous release, see [Access Manager 4.5 Service Pack 2 Hotfix 1 Release Notes \(https://www.netiq.com/documentation/access-manager-45/accessmanager452-hf1-release-notes/data/accessmanager452-hf1-release-notes.html\)](https://www.netiq.com/documentation/access-manager-45/accessmanager452-hf1-release-notes/data/accessmanager452-hf1-release-notes.html).

For more information about this release and for the latest release notes, see the [Documentation](#) page. To download this product, see the [Product \(https://www.netiq.com/products/access-manager/\)](https://www.netiq.com/products/access-manager/) page.

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

For information about Access Manager support lifecycle, see the [Product Support Lifecycle](#) page.

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# What's New?

This release provides the following enhancements and fixes:

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## Enhancements

This release includes the following enhancements:

- ◆ “Support for Behavioral Analytics Using Micro Focus Intersect” on page 2
- ◆ “Enhanced Identity Server to Meet the OASIS Specification for SAML 2.0” on page 2
- ◆ “Support for Registering Mobile Devices Using a QR Code” on page 2
- ◆ “Support for Using a Different LDAP Attribute During Second-Factor Authentication” on page 3
- ◆ “Support for Using the login\_hint Parameter During Multi-Factor Authentication” on page 3

### Support for Behavioral Analytics Using Micro Focus Intersect

To enable detection of an unknown threat or anomalies, Access Manager integrates with Intersect and leverages its User and Entity Behavioral Analytics (UEBA) capability.

Using the organization's data, Intersect establishes the normal behavior for the organizational entities and then, using advanced analytics and machine learning, identifies the anomalous behaviors that constitute potential risks such as compromised accounts, insider threats, or other unknown cyber threats.

For more information, see [Enabling Behavioral Analytics Using Micro Focus Intersect \(https://www.netiq.com/documentation/access-manager-45/risk-service-intersect/data/risk-service-intersect.html\)](https://www.netiq.com/documentation/access-manager-45/risk-service-intersect/data/risk-service-intersect.html).

### Enhanced Identity Server to Meet the OASIS Specification for SAML 2.0

This release updates Identity Server to meet the OASIS SAML 2.0 Specification. With this update, SAML authentication requests must be digitally signed by the SAML service provider if the `AssertionConsumerServiceURL` attribute is different than what is specified in the SAML service provider's metadata.

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**NOTE:** Certain existing SAML federations might stop working if the SAML authentication requests are not signed.

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### Support for Registering Mobile Devices Using a QR Code

This release introduces the MobileAccess 2 app. Using this app, you can now register your devices using a QR code. For more information, see [Registering Users Mobile Devices](#) in the *Access Manager 4.5 Administration Guide* and *MobileAccess Quick Start*.

## Support for Using a Different LDAP Attribute During Second-Factor Authentication

When using Advanced Authentication with Access Manager, you can use the following two optional properties for authentication methods:

- ♦ AA\_LOGIN\_FORM\_PARAM\_USERNAME
- ♦ AA\_USERNAME\_USERSTORE\_ATTRIBUTE

Use these options when you want to use a different LDAP attribute instead of the username for user authentication, such as email ID attribute instead of the username.

For more information about these options, see [NetIQ Advanced Authentication](#) in the *Access Manager 4.5 Administration Guide*.

## Support for Using the login\_hint Parameter During Multi-Factor Authentication

This release adds support for auto-filling the username in multi-factor authentication if the user has already provided the username using the `login_hint` parameter.

For more information about this option, see [NetIQ Advanced Authentication](#) in the *Access Manager 4.5 Administration Guide*.

## Operating System Upgrade

In addition to the existing supported platforms, this release adds support for RHEL 7.8.

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**NOTE:** For more information about system requirements, see [NetIQ Access Manager System Requirements \(https://www.netiq.com/documentation/access-manager-45/system-requirements/data/system-requirements.html\)](https://www.netiq.com/documentation/access-manager-45/system-requirements/data/system-requirements.html).

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## Updates for Dependent Components

This release adds support for the following software:

- ♦ Apache http version 2.4.43
- ♦ Tomcat 8.5.57
- ♦ JRE 1.8.252
- ♦ Open JDK 1.8 Update 252

## Software Fixes

This release includes the following software fixes:

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Component	Bug ID	Issue
Admin-Certificates	218237	Importing SAML metadata text using Administration Console ( <b>SAML2 &gt; Create Service</b> ) through text option corrupts the posted <code>metadata.xml</code> file.

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Component	Bug ID	Issue
NIDS-OAuth2.0	218453	<p>When a client application uses the Authorization Code flow and sends the access token to the <code>userinfo</code> endpoint, the attribute type of the query result is not consistent. If the attribute contains a single value, it is sent as a string, and if it contains multiple values, it is sent as an array.</p> <p><b>NOTE:</b> While this fixes the inconsistent handling of OAuth attributes, certain OAuth applications might stop working.</p>
NIDS-OAuth2.0	218477	When an unauthenticated user tries to access <code>/nidp/oauth/nam/callback</code> , the browser displays an HTTP 302 error and redirects the user to a blank page.
NIDS-OAuth2.0	239194	When a SAML 2.0 external contract is used for authentication, the <code>id_token</code> request displays <code>NullPointerException</code> error.
NIDS-SAML2.0	228605	The target parameters of an OAuth request get truncated while executing the post-authentication method.
NIDS-SAML2.0	217902	Identity Server logout cookies do not get cleared during SLO (single logout) request.
NIDS-SAML2.0	218532	<p>After upgrading Access Manager from 4.5 Service Pack 1 to 4.5 Service Pack 2, <code>SAMLAuthnReq</code> fails with the following error:</p> <p>Unable to complete request at this time. ACS Index and the ProtocolBinding attributes are mutually exclusive as per the SAML2 specification</p>
Rule Based Authentication	215926	Risk-based authentication <code>Time of Login</code> rule fails if you provide a combination of weekday and weekend time range.
NIDP-WS-Trust	219393	Configuring <code>ms-DS-ConsistencyGuid</code> as immutable ID for Office 365 fails as Access Manager is unable to fetch the correct value from Active Directory.
NIDS-WS-Fed	212791	Configuring <code>objectSid</code> as immutable ID for Office 365 fails as Identity Server sends unreadable values.

## Installing or Upgrading

After purchasing Access Manager 4.5.3, you can access the product in the Customer Center. The activation code is in the Customer Center where you download the software. For more information, see [Customer Center Frequently Asked Questions \(https://www.netiq.com/cchelp/ncc-faq.html\)](https://www.netiq.com/cchelp/ncc-faq.html).

### To access a full version of Access Manager:

- 1 Log in to the [Customer Center \(https://www.netiq.com/customercenter/app/home?execution=e1s1\)](https://www.netiq.com/customercenter/app/home?execution=e1s1).
- 2 Click **Software**.
- 3 On the **Entitled Software** tab, click the appropriate version of Access Manager for your environment to download the product.

The following files are available:

**Table 1** Files Available for Access Manager 4.5.3

Filename	Description
AM_453_AccessManagerService_Linux64.tar.gz	Contains Identity Server and Administration Console .tar file for Linux.
AM_453_AccessManagerService_Win64.zip	Contains Identity Server and Administration Console .exe file for Windows Server.
AM_453_AccessGatewayAppliance_OVF.tar.gz	Contains Access Gateway Appliance OVF template.
AM_453_AccessGatewayAppliance.tar.gz	Contains Access Gateway Appliance .tar file.
AM_453_AccessGatewayService_Win64.zip	Contains Access Gateway Service .exe file for Windows Server.
AM_453_AccessGatewayService_Linux64.tar.gz	Contains Access Gateway Service .tar file for Linux.

**NOTE:** This release does not support installation or upgrade of Analytics Server. For a fresh installation of Analytics Server, use AM\_443\_AnalyticsServerAppliance.iso file, then upgrade Analytics Server to 4.4 SP3 version by using AM\_443\_AnalyticsServerAppliance.tar.gz file. If you are already using a previous version of Analytics Server, then upgrade to Analytics Server 4.4 SP3. For more information about installing Analytics Server, see “Installing Analytics Server” in the *NetIQ Access Manager 4.5 Installation and Upgrade Guide*.

- ◆ For information about the upgrade paths, see “Supported Upgrade Paths” on page 6
- ◆ For more information about installing and upgrading, see the *NetIQ Access Manager 4.5 Installation and Upgrade Guide*
- ◆ For more information about system requirements, see *NetIQ Access Manager System Requirements* (<https://www.netiq.com/documentation/access-manager-45/system-requirements/data/system-requirements.html>)

## Additions to Documentation

The following topics have been added to the documentation:

- ◆ Details for the AWS auto scaling REST APIs are added in the *Administration API Guide* (<https://www.netiq.com/documentation/access-manager-45-developer-documentation/administration-rest-api-guide/>). (<https://www.netiq.com/documentation/access-manager-45-developer-documentation/administration-rest-api-guide/>)
- ◆ The Access Manager auto scaling sample deployment documentation is available on the *Developer Documentation portal*. See, “Sample Auto Scaling Deployment of Access Manager on AWS (<https://www.netiq.com/documentation/access-manager-45-developer-documentation/aws-autoscaling/data/aws-autoscaling.html>)”.

# Verifying Version Number after Upgrading to 4.5.3

After upgrading to Access Manager 4.5.3, verify that the version number of the component is indicated as **4.5.3.0-117**. To verify the version number, perform the following steps:

- 1 In Administration Console Dashboard, click **Troubleshooting > Version**.
- 2 Verify that the **Version** field lists **4.5.3.0-117**.

## Supported Upgrade Paths

To upgrade to Access Manager 4.5.3, you need to be on one of the following versions of Access Manager:

- ◆ 4.4 Service Pack 4 Hotfix 3
- ◆ 4.5 Service Pack 1 Hotfix 1
- ◆ 4.5 Service Pack 2 Hotfix 1
- ◆ 4.5 Service Pack 2

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**IMPORTANT:** If you are using SQL database with the existing Risk-Based Authentication (RBA) data and you are upgrading to Access Manager 4.5.3, you must run a utility to de-normalize the database. This is to ensure that your existing RBA data does not become irrelevant. For more information about this utility and how to run it, see “[Denormalizing SQL Database](#)” in the *NetIQ Access Manager 4.5 Installation and Upgrade Guide*.

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For more information about upgrading Access Manager, see “[Upgrading Access Manager](#)” in the *NetIQ Access Manager 4.5 Installation and Upgrade Guide*.

## Known Issues

NetIQ Corporation strives to ensure our products provide quality solutions for your enterprise software needs. There are no new issues other than the issues mentioned in [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>). If you need further assistance with any issue, please contact [Technical Support](#) (<http://www.netiq.com/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](#) (<http://www.netiq.com/support/process.asp#phone>).

For general corporate and product information, see the [NetIQ Corporate website](#) (<http://www.netiq.com/>).

For interactive conversations with your peers and NetIQ experts, become an active member of our [community](#) (<https://www.netiq.com/communities/>). The NetIQ online community provides product information, useful links to helpful resources, blogs, and social media channels.

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