

NetIQ Privileged Account Manager 3.2 Release Notes

June 2017



NetIQ Privileged Account Manager 3.2 includes new features and resolves several previous issues.

NetIQ Privileged Account Manager, formerly known as NetIQ Privileged User Manager, helps IT administrators to manage the identity and access of super user accounts, by providing controlled super user access to authorized users. You can post feedback in the [Privileged Account Manager Community Support Forum](#), our community Web site that also includes product notifications, blogs, and product user groups.

To download this product, see the [NetIQ Downloads Web site](#). For more information about this release and for the latest release notes, see the [Privileged Account Manager Documentation Web site](#).

1 What's New?

The following sections outline the enhancements and issues resolved in this release:

- [Section 1.1, "Support X11 Application Through SSH Relay," on page 1](#)
- [Section 1.2, "Privileged Account Discovery Using PAM Sniffer," on page 2](#)
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1.1 Support X11 Application Through SSH Relay

Privileged Account Manager now supports accessing the X11 applications through an SSH relay session. You can access the X11 applications by enabling X11 feature in the appropriate SSH relay policy. In addition, you can also configure to enable the video recording of the X11 enabled SSH relay session which you can playback from the reporting console. For more information about the X11 configuration, refer [X11 Configuration](#).

1.2 Privileged Account Discovery Using PAM Sniffer

PAM Sniffer is an independent tool provided by Privileged Account Manager to identify all the privileged accounts in the target systems, such as Unix, Linux, Domains, Windows, and Directories. Using this tool you can identify all the privileged accounts available in the system and utilize it effectively. For more information about accessing and configuring this tool, refer [PAM Sniffer](#).

1.3 Password Checkout for Cloud Services

Privileged Account Manager now supports password checkout for cloud services, such as OpenStack and Amazon Web Services (AWS). You can checkout privileged account password for these cloud services from the user console and gain privileged access to the cloud services. For information about configuring password checkout for cloud services, refer [Enabling Password Checkout for OpenStack](#) and [Enabling Password Checkout for Amazon Web Services](#).

1.4 Supports Storage of Credentials Vault Objects in LDAP

From this release, Privileged Account Manager supports storage of the Enterprise Credential Vault objects in external LDAP directories. You can choose to store the Enterprise credential Vault objects either in the native SQLite database or in the external LDAP directory. For more details about this feature refer, [Managing Datastore](#).

1.5 Deployment Dashboard

Privileged Account Manager provides a Deployment Dashboard which shows how the privileged account manager hosts are geographically located with the help of a map. In addition, it also contains a live risk view that highlights all the hosts on which a risky operation was performed. For more information about accessing and configuring the Deployment Dashboard refer, [Deployment Dashboard](#).

1.6 Upgrade Through MSI

In addition to the Host Console, Privileged Account Manager now supports upgrade through the Privileged Account Manager installer. Using the Privileged Account Manager installer you can upgrade from PAM 3.2 to any higher version. For steps to upgrade Privileged Account Manager using the installer refer, [Upgrading Using the Privileged Account Manager Installer](#).

1.7 New Command Line Options for Agent Deployment

In addition to the existing command line options, Privileged Account Manager now supports install, uninstall, rollback, and upgrade through command line from the respective agent machine. For more information about these commands, refer [Install and Uninstall Packages From Agent Machine](#) and [Upgrade and Rollback Packages](#).

1.8 Advanced Authentication Enhancements

This release adds support to the following Advanced Authentication methods:

- ♦ Fingerprint
- ♦ Smart card
- ♦ RFID card

1.9 Videos Enhancements

The following enhancements are available for videos:

- ♦ Privileged Account Manager now provides a facility to configure a common video conversion settings which will be applied to all the Windows and SSH session policies that performs video capture. You can make use of this settings to optimize the video conversion process.

For more information, refer [Configuring the Video Conversion Settings](#)

- ♦ Video storage is enhanced to support videos grouping based on year and month. By storing videos in this format you can easily identify and retrieve the videos.

For more information, refer [Configuring the Video Path \(Optional\)](#)

- ♦ Videos are stored in WebM format from this release. To play the videos created in previous versions such as 3.0 or lower, you must convert them to .webm format.

For more information, refer [Converting the FLV Videos to WebM](#)

- ♦ Video capture and playback is supported for SSH Relay with X11 applications enabled.

1.10 Enterprise Credential Vault REST APIs

This release provides REST APIs for managing Enterprise Credential Vault.

1.11 OpenSSL Upgrade

In this release, OpenSSL libraries are upgraded to version 1.0.2k.

1.12 Platform and Browser Support

This release includes support for the following:

- ♦ **Platform:** Windows 2008 R2 Terminal Server, Windows Server 2016, and Windows 10
- ♦ **Browser:** Microsoft Edge

NOTE: Video playback is not supported in Edge browser as the Edge browser does not support WebM format.

1.13 Security Vulnerability Fix

This release includes fixes for the following security vulnerabilities:

- ♦ **CVE-2017-7437** - Addresses the reflected cross-site scripting (XSS) vulnerability that could result in the storage of uncontrolled information.
- ♦ **CVE-2017-7438** - Addresses the DOM cross-site scripting (XSS) vulnerability.

1.14 Software Fixes

Privileged Account Manager 3.2 provides software fixes for the following issues:

- ♦ [Section 1.14.1, "Reporting Console Remains Blank When Fetching Large Number of Session Log Entries," on page 4](#)
- ♦ [Section 1.14.2, "Find Host Option Does Not Expand the Domain and Highlight the Respective Host in the Navigation Pane," on page 4](#)

- ♦ [Section 1.14.3, “Data Encryption Error Is Displayed When Launching the RDP Relay Session,” on page 4](#)
- ♦ [Section 1.14.4, “SSH Relay Performance Drops When the Session Generates Large Data,” on page 4](#)

1.14.1 Reporting Console Remains Blank When Fetching Large Number of Session Log Entries

Fix: In this release, a loading indicator is displayed in the Reporting Console when fetching the session log entries. (Bug 1037063)

1.14.2 Find Host Option Does Not Expand the Domain and Highlight the Respective Host in the Navigation Pane

Issue: When you use **Find Host** to locate a host in the Host Console, the host details are displayed in the details pane but the host is not highlighted in the navigation pane.

Fix: In this release, when you use **Find Host** the domain expands and highlights the appropriate host in the Navigation Pane. (Bug 968471)

1.14.3 Data Encryption Error Is Displayed When Launching the RDP Relay Session

Issue: RDP data encryption error is displayed when launching the RDP Relay session to the Windows Server 2012 R2 from Windows 8.1 or Windows 10 machine. This error occurs because Privileged Account Manager does not support the latest RDP Client versions. (Bug 990415)

Fix: RDP Relay session launches successfully without any error.

1.14.4 SSH Relay Performance Drops When the Session Generates Large Data

Fix: This issue is fixed in this release. (Bug 1036321)

2 System Requirements

For information about hardware requirements, supported operating systems and browsers, and software requirements, see [“Installation Requirements”](#) in the *NetIQ Privileged Account Manager 3.2 Installation Guide*.

3 Installing Privileged Account Manager 3.2

To install Privileged Account Manager, see the *NetIQ Privileged Account Manager 3.2 Installation Guide*.

To obtain the purchased license, log in to the [NetIQ Customer Center](#) and download the software and the license key. The ISO image contains the following directories and files for Framework Managers, Agents, and the Package Manager:

- ♦ [Section 3.1, “AIX,” on page 5](#)
- ♦ [Section 3.2, “HP-UX,” on page 5](#)
- ♦ [Section 3.3, “Linux,” on page 5](#)
- ♦ [Section 3.4, “Solaris,” on page 5](#)

- ♦ [Section 3.5, “Windows,” on page 6](#)
- ♦ [Section 3.6, “Package Manager,” on page 6](#)

3.1 AIX

Package	Description
netiq-npum-agent-3.2-aix-5.1-powerpc.bff.gz	Agent package for AIX 5.1
netiq-npum-manager-3.2-aix-5.1-powerpc.bff.gz	Framework Manager package for AIX 5.1

3.2 HP-UX

Package	Description
netiq-npum-agent-3.2-hpux-11.00-hppa.depot.gz	Agent package for HP-UX 11 and 11i HPPA
netiq-npum-agent-3.2-hpux-11.23-ia64.depot.gz	Agent package for HP-UX 11i v2 and v3 Itanium
netiq-npum-manager-3.2-hpux-11.00-hppa.depot.gz	Framework Manager package for HP-UX 11 & 11i HPPA
netiq-npum-manager-3.2-hpux-11.23-ia64.depot.gz	Framework Manager package for HP-UX 11i v2 and v3 Itanium

3.3 Linux

Package	Description
netiq-npum-agent-3.2-linux-2.6-x86_64.rpm	Agent package for Linux on Intel 64-bit machines with a 2.6 kernel
netiq-npum-agent-3.2-linux-2.6-intel.rpm	Agent package for Linux on Intel 32-bit machines with a 2.6 kernel
netiq-npum-manager-3.2-linux-2.6-x86_64.rpm	Framework Manager package for Linux on Intel 64-bit machines with a 2.6 kernel
netiq-npum-manager-3.2-linux-2.6-intel.rpm	Framework Manager package for Linux on Intel 32-bit machines with a 2.6 kernel

3.4 Solaris

Package	Description
netiq-npum-agent-3.2-solaris-2.8-intel.pkg.gz	Agent package for Solaris 2.8 Intel

Package	Description
netiq-npum-agent-3.2-solaris-2.8-sparc.pkg.gz	Agent package for Solaris 2.8 SPARC
netiq-npum-manager-3.2-solaris-2.8-intel.pkg.gz	Framework Manager package for Solaris 2.8 Intel
netiq-npum-manager-3.2-solaris-2.8-sparc.pkg.gz	Framework Manager package for Solaris 2.8 SPARC

3.5 Windows

Package	Description
netiq_pum_agent_3.2_x86.msi	Agent package for Windows 32-bit computer
netiq_pum_agent_3.2_x64.msi	Agent package for Windows 64-bit computer
netiq_pum_manager_3.2_x86.msi	Framework Manager package for Windows 32-bit computer
netiq_pum_manager_3.2_x64.msi	Framework Manager package for Windows 64-bit computer

3.6 Package Manager

Package	Description
netiq-npum-packages-3.2.tar.gz	The zip file for setting up a local package manager.

4 Upgrading to Privileged Account Manager 3.2

You can upgrade to Privileged Account Manager from the previous versions of Privileged User Manager. For more information on upgrading, see [“Upgrading NetIQ Privileged Account Manager”](#) in the *NetIQ Privileged Account Manager 3.2 Installation Guide*.

IMPORTANT: After upgrading to Privileged Account Manager 3.2, the console packages Enterprise Credential Vault (`prvcrdvl`) and Access Dashboard (`userreqdashboard`) are removed from your Framework Manager. You must manually install these packages. For more information, see [Post Upgrade Task](#).

5 Known Issues

NetIQ Corporation strives to ensure our products provide quality solutions for your enterprise software needs. The following issues are currently being researched. If you need further assistance with any issue, please contact [Technical Support](#).

- ♦ [Section 5.1, “Moving Multiple Objects Does Not Work,” on page 7](#)
- ♦ [Section 5.2, “The Run as privileged user Option Is Not Displayed on a Windows 2012 Server,” on page 7](#)

- [Section 5.3, “The Command Control Objects Are Not Displayed When Large Number of Objects Are Added Simultaneously,” on page 7](#)
- [Section 5.4, “The Unregistered Hosts List Is Not Displayed,” on page 7](#)
- [Section 5.5, “The Changes to the Syslog Settings Do Not Get Applied,” on page 7](#)
- [Section 5.6, “Cannot Uninstall Privileged Account Manager 3.2 Through Windows Add/Remove Programs,” on page 8](#)
- [Section 5.7, “NPAM Service Commands Does Not Work In SUSE Linux Enterprise Server 12 or Later,” on page 8](#)

5.1 Moving Multiple Objects Does Not Work

Issue: Selecting and moving multiple objects by using the Shift/ Ctrl key does not work.

Workaround: To move multiple objects, you can use shift + select the required objects, or use **Select All**. (Bug 915307)

5.2 The Run as privileged user Option Is Not Displayed on a Windows 2012 Server

Issue: When you right-click **Start** on a Windows 2012 server, the **Run as privileged user** option does not get displayed. (Bug 901032)

Workaround: To workaround this issue, right-click the application in the folder where the application is installed to execute **Run as privileged user**.

5.3 The Command Control Objects Are Not Displayed When Large Number of Objects Are Added Simultaneously

Issue: When Command Control Objects are added simultaneously in large numbers, the objects do not appear in the console. This is an intermittent behavior. (Bug 908307)

Workaround: No Workaround.

5.4 The Unregistered Hosts List Is Not Displayed

Issue: In the administration console, when you search for unregistered hosts by clicking **Hosts > List Unregistered Hosts > IP Range**, the Failed to list unregistered agents error is displayed. (Bug 832747)

Workaround: Ensure that when you install Agents, you register it with the Manager for Privileged Account Manager.

5.5 The Changes to the Syslog Settings Do Not Get Applied

Issue: In the Reporting console of Privileged Account Manager when you save the changes to syslog settings, such as select **SSL**, or **Allow Persistent Connections**, the changes are not applied. (Bug 895993)

Workaround: To workaround this issue, restart Privileged Account Manager.

5.6 Cannot Uninstall Privileged Account Manager 3.2 Through Windows Add/Remove Programs

Issue: Uninstalling Privileged Account Manager 3.2 through Windows Add/Remove Programs displays an error. This issue occurs only when the Privileged Account Manager is upgraded to 3.2 using Privileged Account Manager 3.2 installer. (Bug 1029461)

Workaround: Uninstall Privileged Account Manager through command line or Privileged Account Manager 3.2 installer.

5.7 NPAM Service Commands Does Not Work In SUSE Linux Enterprise Server 12 or Later

Issue: The NPAM service commands such as start, stop, restart and status does not work in SUSE Linux Enterprise Server 12 or later. (Bug 1041284)

Workaround: To workaround this issue, perform one of the following:

- ♦ Reboot the system using the following command:

```
reboot
```

(or)

```
shutdown -r now
```

- ♦ Kill and restart the NPAM process using the following command:

```
pkill unifid
```

```
/etc/init.d/npum start
```

After performing one of the preceding steps, you can verify the NPAM process running status by executing the following command:

```
/etc/init.d/npum status
```

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