

One Identity Safeguard for Privileged Sessions 6.9.4

Release Notes

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These release notes provide information about the One Identity Safeguard for Privileged Sessions 6.9.4 release.

About this release

One Identity Safeguard for Privileged Sessions Version 6.9.4 is a release with new features and resolved issues. For details, see:

- New features
- Known issues

NOTE: For a full list of key features in One Identity Safeguard for Privileged Sessions, see Administration Guide.

About the Safeguard product line

The One Identity Safeguard Appliance is built specifically for use only with the Safeguard privileged management software, which is pre-installed and ready for immediate use. The appliance is hardened to ensure the system is secured at the hardware, operating system and software levels. The hardened appliance approach protects the privileged management software from attacks while simplifying deployment and ongoing management -- and shortening the timeframe to value.

Safeguard privileged management software suite

Safeguard privileged management software is used to control, monitor, and govern privileged user accounts and activities to identify possible malicious activities, detect entitlement risks, and provide tamper proof evidence. The Safeguard products also aid incident investigation, forensics work, and compliance efforts.

The Safeguard products' unique strengths are:

- One-stop solution for all privileged access management needs
- Easy to deploy and integrate
- · Unparalleled depth of recording
- Comprehensive risk analysis of entitlements and activities
- Thorough Governance for privileged account

The suite includes the following modules:

- One Identity Safeguard for Privileged Passwords automates, controls and secures the process of granting privileged credentials with role-based access management and automated workflows. Deployed on a hardened appliance, Safeguard for Privileged Passwords eliminates concerns about secured access to the solution itself, which helps to speed integration with your systems and IT strategies. Plus, its user-centered design means a small learning curve and the ability to manage passwords from anywhere and using nearly any device. The result is a solution that secures your enterprise and enables your privileged users with a new level of freedom and functionality.
- One Identity Safeguard for Privileged Sessions is part of One Identity's
 Privileged Access Management portfolio. Addressing large enterprise needs,
 Safeguard for Privileged Sessions is a privileged session management solution, which
 provides industry-leading access control, as well as session monitoring and recording
 to prevent privileged account misuse, facilitate compliance, and accelerate forensics
 investigations.
 - Safeguard for Privileged Sessions is a quickly deployable enterprise appliance, completely independent from clients and servers integrating seamlessly into existing networks. It captures the activity data necessary for user profiling and enables full user session drill-down for forensics investigations.
- One Identity Safeguard for Privileged Analytics integrates data from Safeguard for Privileged Sessions to use as the basis of privileged user behavior analysis. Safeguard for Privileged Analytics uses machine learning algorithms to scrutinize behavioral characteristics and generates user behavior profiles for each individual privileged user. Safeguard for Privileged Analytics compares actual user activity to user profiles in real time and profiles are continually adjusted using machine learning. Safeguard for Privileged Analytics detects anomalies and ranks them based on risk so you can prioritize and take appropriate action and ultimately prevent data breaches.



New features

New features in One Identity Safeguard for Privileged Sessions (SPS) version 6.9.4:

- Custom trust stores are allowed for LDAP
- The Syslog-ng client now supports full certificate revocation checking (CC requirement)

Changes and improvements in SPS REST API Reference Guide version 6.9.4

Safeguard for Privileged Sessions supports generating Elliptic Curve (secp256r1) private keys on its REST API.

Deprecated features

The Splunk forwarder is deprecated

The Splunk forwarder is deprecated as of Safeguard for Privileged Sessions(SPS) 6.7 and will be removed in an upcoming release. One Identity recommends using the universal SIEM forwarder instead.

Content policy biometrics are deprecated

- **Pointing device biometrics DEPRECATED**: This feature is deprecated. Use the same option in Indexer Policies instead.
- **Typing biometrics DEPRECATED**: This feature is deprecated. Use the same option in Indexer Policies instead.

Arguments of Authentication and Authorization and Credential Store plugins that begin with target_ have been deprecated

These arguments were deprecated because the target_host or target_server arguments either contained a hostname or an IP address.

Now, new arguments have been added to the Authentication and Authorization and Credential Store plugins to replace deprecated arguments. The new argument names explicitly define the values they contain. That is, a server_ip argument will always contain an IP address, and a server hostname argument will always contain a hostname.

The deprecated arguments are the following:



Authentication and Authorization plugin: get_password_list and get_private_key_list input arguments:

- target_username
- target_host
- target port
- target domain

Credential Store plugin: authorize method:

- target_server
- target_port
- target_username

Known issues

The following is a list of issues, including those attributed to third-party products, known to exist at the time of release.

Table 1: Safeguard Desktop Player known issues

Known Issue

The Safeguard Desktop Player has rendering issues with bad openg1 drivers on Windows, for example, when running a Windows 10 guest on a Linux host (VirtualBox).

This only affects the Windows version and mostly the virtual environments, however, the root cause is the bad opengl driver.

A quick workaround is to set a QT_OPENGL=angle system wide environment variable.

Related to Safeguard for Privileged Passwords (SPP): You cannot use the Safeguard Desktop Player version 1.10.11 to replay audit trails initiated from SPP. Alternatively, use the Safeguard Desktop Player 1.9.27.

System requirements

Before installing SPS 6.9.4, ensure that your system meets the following minimum hardware and software requirements.

The One Identity Safeguard for Privileged Sessions Appliance is built specifically for use only with the One Identity Safeguard for Privileged Sessions software that is already installed and ready for immediate use. It comes hardened to ensure the system is secure at the hardware, operating system, and software levels.



For the requirements about installing One Identity Safeguard for Privileged Sessions as a virtual appliance, see one of the following documents:

NOTE: When setting up a virtual environment, carefully consider the configuration aspects such as CPU, memory availability, I/O subsystem, and network infrastructure to ensure the virtual layer has the necessary resources available. Please consult One Identity's Product Support Policies for more information on environment virtualization.

- Installation Guide
- Deployment from Azure Marketplace
- Deployment on Amazon Web Services
- Evaluation Guide

Supported web browsers and operating systems

A CAUTION:

Since the official support of Internet Explorer 9 and 10 ended in January, 2016, they are not supported in One Identity Safeguard for Privileged Sessions (SPS) version 4 F3 and later.

A CAUTION:

Even though the One Identity Safeguard for Privileged Sessions (SPS) web interface supports Internet Explorer and Microsoft Edge in general, to replay audit trails you need to use Internet Explorer 11, and install the Google WebM Video for Microsoft Internet Explorer plugin. If you cannot install Internet Explorer 11 or another supported browser on your computer, use the the Safeguard Desktop Player application. For details, see "Replaying audit trails in your browser" in the Administration Guide and Safeguard Desktop Player User Guide.

NOTE: SPS displays a warning message if your browser is not supported or JavaScript is disabled.

NOTE: The minimum recommended screen resolution for viewing One Identity Safeguard for Privileged Sessions's (SPS's) web interface is 1366×768 pixels on a 14-inch widescreen (standard 16:9 ratio) laptop screen. Screen sizes and screen resolutions that are equal to or are above these values will guarantee an optimal display of the web interface.

Supported browsers

The current version of Mozilla Firefox, Google Chrome, Microsoft Edge (Microsoft Edge Legacy is not supported), and Microsoft Internet Explorer 11 or newer. The browser must support TLS-encrypted HTTPS connections, JavaScript, and cookies. Make sure that both JavaScript and cookies are enabled.



Supported operating systems

Windows 2008 Server, Windows 7, Windows 2012 Server, Windows 2012 R2 Server, Windows 8, Windows 8.1, Windows 10, Windows 2016, and Linux.

The SPS web interface can be accessed only using TLS-encryption and strong cipher algorithms.

Opening the web interface in multiple browser windows or tabs is not supported.

Safeguard Desktop Player system requirements

The Safeguard Desktop Player application supports the following platforms:

Microsoft Windows:

64-bit version of Windows 7 or newer. Install the appropriate driver for your graphic card.

Linux:

RHEL 7, CentOS 7, or newer. The Safeguard Desktop Player application will probably run on other distributions as well that have at least libc6 version 2.17 installed.

Depending on the distribution, you will need the following packages installed:

- On Debian-based GNU/Linux:
 - libxcb-render-util0
 - libxcb-keysyms1
 - · libxcb-image0
 - libxcb-randr0
 - libxcb-xkb1
 - libxcb-xinerama0
 - libxcb-icccm4
- On CentOS/Red Hat:
 - xcb-util-renderutil
 - xcb-util-keysyms
 - xcb-util-image

Mac:

macOS High Sierra 10.13, or newer.

Installing the Safeguard Desktop Player application requires about 200MB disk space, and a temporarily used disk space to store the audit trails that are replayed. The size of the temporary files depends on the size of the replayed audit trails.

You can install the Safeguard Desktop Player application with user privileges.



Hardware specifications

One Identity Safeguard for Privileged Sessions appliances are built on high performance, energy efficient, and reliable hardware that are easily mounted into standard rack mounts.

Table 2: Hardware specifications

Product	Redundant PSU	Processor	Memory	Capacity	RAID	IPMI
SPS T-1	No	1x Intel Xeon X3430 2.40GHz	2 x 4 GB	2 x 1 TB	Software RAID	Yes
SPS T-4	Yes	1x Intel Xeon E3- 1275 v2 3.50GHz	2 x 4 GB	4 x 2 TB	LSI MegaRAID SAS 9271-4i SGL	Yes
SPS T-10	Yes	2 x Intel Xeon E5- 2630 v2 2.6GHz	8 x 4 GB	13 x 1 TB	LSI 2208 (1GB cache)	Yes
Safeguard Sessions Appliance 3000	Yes	1x Intel Xeon E3- 1275 v6 3.80GHz	2 x 16 GB	4x2 TB NLSAS	LSI MegaRAID SAS 9361-4i Single	Yes
Safeguard Sessions Appliance 3500	Yes	2x Intel Xeon Silver 4110 2.1GHz	8 x 8 GB	9x2 TB NLSAS	1 x Broadcom MegaRAID SAS 9361- 16i + LSI Avago CacheVault Power Module 02 (CVPM02) Kit	Yes

The Safeguard Sessions Appliance 3500 is equipped with a dual-port 10Gbit interface. This interface has SFP+ connectors (not RJ-45) labeled A and B, and can be found right of the Label 1 and 2 Ethernet interfaces. If you want faster communication, for example, in case of high data load, you can connect up to two 10Gbit network cards. These cards are not shipped with the original package and have to be purchased separately.



Product licensing

To enable a trial license

- 1. Visit the Download Trials page, and navigate to One Identity Safeguard for Privileged Sessions > Download Free trial.
- 2. Complete the registration form, and click **Download Trial**.
- 3. You will receive the details on how to access your license key and the download the ISO files in email.

To enable a purchased commercial license

- 1. Navigate to My Account > My License Assets on the support portal.
- 2. To access your license key, click **Retrieve Key** next to your product.
- Once you have the license keys, navigate to My Account > My Products and click Download next to your product. The Download Software page is displayed.
- 4. Download the ISO image (install cdrom) of your product.

If you need help with accessing your license, navigate to the Licensing Assistance page, and follow the instructions on screen.

Upgrade and installation instructions

The One Identity Safeguard for Privileged Sessions appliance is built specifically for use only with the One Identity Safeguard for Privileged Sessions software that is already installed and ready for immediate use.

To upgrade to One Identity Safeguard for Privileged Sessions 6.9.4

For step-by-step instructions on upgrading to SPS6.9.4, see Upgrade Guide.

NOTE: Due to legal reasons, installation packages of the external indexer application will be available only from the SPS web interface. After SPS versions 6.4 and 6.0.3 are released, the installation packages will be removed from our website.

About feature releases

This is a feature release, which means that it will be supported for 6 months after the release date or 2 months after the release of a succeeding feature release (whichever date is later). It also means that if you are running a previous feature release (such as versions 6.1), you have 2 months to upgrade to version 6.9.4 if you want to keep running on a supported release.

For a full description of long-term-supported and feature releases, open the SPS product page on the Support Portal and navigate to **Self Service Tools > Product Support >**



Product Life Cycle & Policies > Product Support Policies > Software Product Support Lifecycle Policy.

If you have a physical appliance based on MBX hardware

One Identity recommends you to upgrade to SPS6.9.4, if you are not running SPS on Pyramid hardware and any of the following is true:

NOTE: If you do not know the type of your hardware, see If you have a physical appliance based on Pyramid hardware.

- You wish to take advantage of any of the new features.
- You are running a previous feature release.
- You are OK with having to continuously upgrade to the latest feature release to remain supported.

We are releasing new feature releases approximately once every 2 months.

If you have a physical appliance based on Pyramid hardware

Do NOT upgrade to SPS6.9.4 if you are running SPS on Pyramid hardware:

Downgrading from a feature release

Do NOT downgrade from a feature release.

A CAUTION:

Downgrading from a feature release is not supported. If you upgrade from an LTS release (for example, 4.0) to a feature release (4.1), you have to keep upgrading with each new feature release until the next LTS version (in this case, 5.0) is published.

Verify successful installation

Navigate to **Basic Settings** > **System** > **Version details** and verify that SPS is running version 6.9.4 of the firmware. If not, it means that the upgrade process did not complete properly and SPS performed a rollback to revert to the earlier firmware version. In this case, complete the following steps:

- 1. Navigate to Basic Settings > Troubleshooting > Create support bundle and click Create support bundle.
- 2. Save the resulting ZIP file.
- 3. contact our Support Team and send them the file. They will analyze its contents to determine why the upgrade was not completed and assist you in solving the problem.



More resources

To obtain more information, read the technical documentation or consult the community:

- One Identity Safeguard for Privileged Sessions Technical Documentation
- One Identity Community

Globalization

This section contains information about installing and operating this product in non-English configurations, such as those needed by customers outside of North America. This section does not replace the materials about supported platforms and configurations found elsewhere in the product documentation.

This release is Unicode-enabled and supports any character set. In this release, all product components should be configured to use the same or compatible character encodings and should be installed to use the same locale and regional options. This release is targeted to support operations in the following regions: North America, Western Europe and Latin America, Central and Eastern Europe, Far-East Asia, Japan. It supports bidirectional writing (Arabic and Hebrew). The release supports Complex Script (Central Asia – India, Thailand).

This release has the following known capabilities or limitations: OCR is limited to Nuance supported languages. No support for RTL languages.



About us

One Identity solutions eliminate the complexities and time-consuming processes often required to govern identities, manage privileged accounts and control access. Our solutions enhance business agility while addressing your IAM challenges with on-premises, cloud and hybrid environments.

Contacting us

For sales and other inquiries, such as licensing, support, and renewals, visit https://www.oneidentity.com/company/contact-us.aspx.

Technical support resources

Technical support is available to One Identity customers with a valid maintenance contract and customers who have trial versions. You can access the Support Portal at https://support.oneidentity.com/.

The Support Portal provides self-help tools you can use to solve problems quickly and independently, 24 hours a day, 365 days a year. The Support Portal enables you to:

- Submit and manage a Service Request
- View Knowledge Base articles
- Sign up for product notifications
- Download software and technical documentation
- View how-to videos at www.YouTube.com/OneIdentity
- Engage in community discussions
- · Chat with support engineers online
- View services to assist you with your product

Third-party contributions

This appendix includes the open source licenses and attributions applicable to One Identity Safeguard for Privileged Sessions.



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