

Safeguard Authentication Services

5.1.3

Release Notes

16 November 2023, 16:45

These release notes provide information about the Safeguard Authentication Services 5.1.3 release. For the most recent documents and product information, see [Safeguard Authentication Services - Technical Documentation](#).

About this release

Safeguard Authentication Services extends the capabilities of UNIX, Linux, and Mac systems to seamlessly and transparently join Active Directory and integrate UNIX identities with Active Directory Windows accounts.

Safeguard Authentication Services 5.1.3 is a minor release that includes various bug and stability fixes. For a list of fixes included in this release, see [Resolved issues](#).

End of support notice

After careful consideration, One Identity ceased the development of Management Console for Unix (MCU). Therefore, MCU entered limited support for all versions on 01 April 2021, with support for all versions reached end of life on 01 November 2021. For the definitions of support, see the [Software Product Support Lifecycle Policy](#).

As One Identity retired the MCU, its feature set has been built into modern platforms, starting with Software Distribution and Profiling. Customers that use MCU to deploy Safeguard Authentication Services and Safeguard for Sudo can now use the One Identity Ansible collections for those products. For the Ansible collections, see [Ansible Galaxy](#).

Resolved issues

The following is a list of issues addressed in this release.

Table 1: General resolved issues in version 5.1.3

Resolved Issue	Issue ID
Previously, <code>vas_snapshot.sh</code> failed if either <code>username-attr-name</code> or <code>groupname-attr-name</code> was set in <code>vas.conf</code> . After the fix, <code>vas_snapshot.sh</code> will not fail even if either of the mentioned configuration variable is set.	435511
<p><code>install.sh</code> can now import One Identity endpoint public key on distributions using the RPM Package Manager.</p> <p>Some Linux distributions, for example, SLES, enforce package signature verification if the package is signed, so <code>install.sh</code> failed to install the packages until the One Identity endpoint public key was not imported. From now on, in interactive or simple mode during a package install or update, <code>install.sh</code> will ask if package signature verification is needed. In unattended mode, it will import the public key automatically unless the <code>--disable-public-key-import</code> argument is specified.</p>	435702
<p>Added support for <code>djoin</code> files generated on Windows Server 2022.</p> <p>Previously, <code>djoin</code> files contained the Offline Domain Join credentials during an unattended join (see the <code>vastool join -j</code> option). If this file was generated on Windows Server 2022, Safeguard Authentication Services failed to parse it.</p>	416786
Fixed an issue where the database process sometimes crashed during groups caching on HP-UX systems. The issue was fixed by using a different method to create the SQL statement string.	438364
<p>Fixed an issue where if Safeguard Authentication Services failed to reach a cross forest domain controller during schema cache update, it stored the schema cache without the information about that forest, and defaulted to Windows 2003 R2. Since this schema information change also triggered a flush, it lost the user and group cache of that forest if it was operating schemaless.</p> <p>The issue is now fixed.</p>	428006
Previously, <code>vastool flush srvinfo</code> failed to remove invalid entries from the <code>srvinfo</code> cache. After the fix, <code>vastool flush srvinfo</code> removes all entries.	428081
Fixed an issue where the state of <code>authselect</code> could not be restored during package removal or a full deconfiguration. This caused PAM modules to be modified outside of <code>authselect</code> .	432119
<p>Fixed an issue where old filesets remained installed after an update if the new package was built for a different AIX version.</p> <p>The fileset names in AIX packages will not contain the AIX version anymore. During update, old filesets get marked as obsolete, and if the update is successful, they are removed.</p>	198246
The Safeguard Authentication Services 5.1.2 version shipped bad builds for Linux <code>ppc64le</code> and <code>aarch64</code> . This caused exception handling to not work,	437559

Resolved Issue	Issue ID
resulting in several potential crashes, for example, when applying a group policy. The issue is now fixed.	
Previously, asdcom crashed on AIX when vasd daemon was not running. The vasd daemon also crashed occasionally. These issues are now fixed.	438253
Fixed an issue where vasd child processes logged all unexpected signals at debug level 2. This issue was fixed by making sure unexpected signals are logged at error level.	438282

Supported platforms

The following table provides a list of supported UNIX and Linux platforms for Safeguard Authentication Services.

CAUTION: In Safeguard Authentication Services version 5.1.3, the following platforms and architectures are no longer supported:

- Apple MacOS versions 10.15, 11.0, 11.1, 11.2
- HP-UX PA architectures

Table 2: UNIX agent: Supported platforms

Platform	Version	Architecture
Alma Linux	8, 9	x86_64, AARCH64, PPC64le, s390x
Amazon Linux	AMI, 2, AL2022	x86_64
Apple MacOS	11.3 and above	x86_64, ARM64
CentOS Linux	6, 7, 8	s390x, PPC64, PPC64LE, x86, x86_64, AARCH64
CentOS Stream	8, 9	x86_64, AARCH64, PPC64LE, s390x
Debian	Current supported releases	x86_64, x86, AARCH64
Fedora Linux	Current supported releases	x86_64, x86, AARCH64, PPC64LE

Platform	Version	Architecture
FreeBSD	12.x, 13.x	x86_64
HP-UX	11.31	IA-64
IBM AIX	6.1 TL9, 7.1 TL3, TL4, TL5, 7.2, 7.3	Power 4+
OpenSuSE	Current supported releases	x86_64, x86, AARCH64, PPC64LE, s390x
Oracle Enterprise Linux (OEL)	6, 7, 8, 9	x86_64, AARCH64
Oracle Solaris	10 8/11 (Update 10), 11.x	SPARC, x64
Red Hat Enterprise Linux (RHEL)	6, 7, 8, 9	s390x, PPC64, PPC64LE, x86, x86_64, AARCH64
Rocky Linux	8, 9	x86_64, AARCH64, PPC64LE, s390x
SuSE Linux Enterprise Server (SLES)/Workstation	12, 15	s390x, PPC64, PPC64LE, x86, x86_64, AARCH64
Ubuntu	Current supported releases	x86_64, x86, AARCH64

System requirements

Before installing Safeguard Authentication Services 5.1.3, ensure that your system meets the minimum hardware and software requirements for your platform. The operating system patch level, hardware, and disk requirements vary by UNIX, Linux, and Active Directory platform, and are detailed in the *One Identity Safeguard Authentication Services Administration Guide*.

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.

Product licensing

Safeguard Authentication Services must be licensed in order for Active Directory users to authenticate on UNIX and macOS hosts.

NOTE: While you can install and configure Safeguard Authentication Services on Windows and use the included management tools to UNIX-enable users and groups in Active Directory without installing a license, you must have a valid Safeguard Authentication Services license installed for full functionality.

Upon receiving your license file from One Identity, copy this license file to your desktop or other convenient location.

To add licenses using the Control Center

1. Open the Control Center and click **Preferences** on the left navigation pane.
2. Expand the **Licensing** section.
The list box displays all licenses currently installed in Active Directory.
3. Click **Actions > Add a license**.
4. Browse for the license file and click **Open**.
The license appears in the list box.

To add licenses directly to the UNIX systems

1. Add a valid license file to `/etc/opt/quest/vas/.licenses/` directory.
2. Validate with `/opt/quest/bin/vastool license -i`.

Upgrade and installation instructions

The process for upgrading the Safeguard Authentication Services Windows components from older versions is similar to the installation process. The Windows installer detects older versions and automatically upgrades them. The next time you launch Active Directory Users and Computers, Safeguard Authentication Services uses the updated Windows components. For detailed installation instructions, see the *One Identity Safeguard Authentication Services Installation Guide*.

For more detailed information about upgrading your current version of Safeguard Authentication Services, see the *One Identity Safeguard Authentication Services Upgrade Guide*.

Of course, you may perform your UNIX client management tasks from the UNIX command line, if you prefer. You can find those instructions in the *One Identity Safeguard Authentication Services Administration Guide*.

Windows and cloud requirements

The following are the minimum requirements for using Safeguard Authentication Services in your environment.

Table 3: Safeguard Authentication Services requirements

System requirements	
Supported Windows Platforms	<p>Prerequisite Windows software</p> <p>If the following prerequisite is missing, the Safeguard Authentication Services installer suspends the installation process to allow you to download the required component. It then continues the install:</p> <ul style="list-style-type: none">• Microsoft .NET Framework 4.5 <p>You can install Safeguard Authentication Services on 64-bit editions of the following configurations:</p> <ul style="list-style-type: none">• Windows Server 2012• Windows Server 2012 R2• Windows Server 2016• Windows Server 2019• Windows Server 2022• Windows 10• Windows 11 <p>NOTE: Due to tightened security, when running Safeguard Authentication Services Control Center on Windows 2008 R2 (or later) operating system, functioning as a domain controller, the process must be elevated or you must add authenticated users to the Distributed COM Users group on the computer. As a best practice, One Identity does not recommend that you install or run the Safeguard Authentication Services Windows components on Active Directory domain controllers. The recommended configuration is to install the Safeguard Authentication Services Windows components on an administrative workstation.</p>
Supported cloud services	<ul style="list-style-type: none">• AWS Directory Service for Microsoft Active Directory (also called AWS Managed Microsoft AD)• Azure Active Directory Domain Services• Google Cloud Platform Managed Service for Microsoft Active Directory

More resources

Additional information is available from the following:

- Online product documentation: <https://support.oneidentity.com/safeguard-authentication-services/technical-documents>

- UNIX Access Management Community forum:
<https://www.quest.com/community/one-identity/unix-access-management/>

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.

This release has the following known capabilities or limitations: There is no localization.

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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
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- Chat with support engineers online
- View services to assist you with your product

Third-party contributions

This product contains some third-party components (listed below). Copies of their licenses may be found at referencing <https://www.oneidentity.com/legal/license-agreements.aspx>. Source code for components marked with an asterisk (*) is available at <http://opensource.quest.com>.

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Xtreme Toolkit Pro 10.1.1

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