

Safeguard Authentication Services

5.1.2

Release Notes

22 September 2023, 10:21

These release notes provide information about the Safeguard Authentication Services 5.1.2 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 5.1.2 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](#).

Enhancements

The following is a list of enhancements implemented in Safeguard Authentication Services 5.1.2.

Table 1: General enhancements

Enhancement	Issue ID
Safeguard Authentication Services now supports systems where <code>authselect</code> is present but it is not in use. As of version 1.4.0, <code>authselect</code> users who do not want to use <code>authselect</code> to manage their <code>nsswitch</code> and PAM configuration can opt-out by calling <code>authselect opt-out</code> .	403530

Resolved issues

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

Table 2: General resolved issues in version 5.1.2

Resolved Issue	Issue ID
Previously, the Active Directory Config Wizard license screen title showed an incorrect product version number (4.2). This issue is now fixed.	425093
The tool <code>ktutil</code> does not depend on <code>libncurses/libtinfo</code> any more. On <code>aarch64</code> and <code>ppc64le</code> architectures, <code>ktutil</code> could not find the missing <code>libncurses/libtinfo</code> shared objects on systems newer than version 6.0. On the <code>x86</code> platform, having systems older than version 6.0 has already been addressed by creating a compatibility symlink at package install time. After the fix, every package contains a <code>ktutil</code> , which is statically linked to <code>libncurses</code> and does not depend on the system version any more.	423517
Fixed a <code>vasd</code> process crash which could occur on AIX during some of the login sessions.	422720
Fixed a bug where sometimes <code>vasd</code> would keep trying to connect to unreachable DCs, causing memory leaks.	422070
Fixed a significant slow down which occurred during group cache flush in case the AD contains a lot of users/groups (>10.000). This also caused a <code>vastool flush</code> or an upgrade of the <code>vascInt</code> package to take several minutes.	419704
Previously, due to a regression, <code>kinit</code> (kerberos TGT request) and logins involving at least 3 domains failed, unless there were explicit <code>[capaths]</code> rules	418309

Resolved Issue	Issue ID
set up for multi-hop traversal in <code>vas.conf</code> . These issues are now fixed.	
Fixed an issue where the Safeguard Authentication Services upgrade would fail to run <code>flush</code> . During upgrade, the package script usually restarts <code>vasd</code> , then runs <code>flush</code> . However, the script only waited for the <code>vasd</code> dispatcher to run. If the <code>vasd</code> dispatcher was not connected to an Active Directory deployment, <code>flush</code> failed. The issue was fixed by making sure that the script only runs after <code>vasd</code> is initialized and is connected to an Active Directory deployment.	414528
A new keytab can now be created if the previous one is corrupted.	404592
RPM package signatures now use the stronger SHA256 hash algorithm instead of SHA1.	413943
Fixed an issue where the <code>vascert</code> script would fail if the default shell (<code>/bin/sh</code>) was not bash compatible.	413944
Fixed an issue in the <code>vasgp</code> package upgrade affecting all Linux systems. The upgrade was successful but with error messages: <code>_pp_systemd_cmd: command not found</code> and <code>vasd</code> has not been restarted during the process.	413357
References to Management Console for Unix (MCU) have been removed from Control Center. One Identity ceased the development of Management Console for Unix (MCU). Support for all versions reached end of life on 01 November 2021. However, some references to the MCU could still be found on the Control Center. These outdated references are now removed.	407357

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, support for the following Linux platforms and architectures has been deprecated:

- Linux platforms
 - CentOS Linux 5
 - Oracle Enterprise (OEL) Linux 5
 - Red Hat Enterprise Linux (RHEL) 5
 - Suse Linux Enterprise (SLES) 11
- Linux architectures

- IA-64
- s390

Make sure that you prepare your system for an upgrade to a supported Linux platform and architecture, so that you can upgrade to Safeguard Authentication Services version 5.1 when it is released.

Table 3: UNIX agent: Supported platforms

Platform	Version	Architecture
Alma Linux	8, 9	x86_64, AARCH64, PPC64le
Amazon Linux	AMI, 2, AL2022	x86_64
Apple MacOS	10.15, 11.x, 12.x, 13.x	x86_64, ARM64
CentOS Linux	6, 7, 8, 9	Current Linux architectures: s390x, PPC64, PPC64le, x86, x86_64, AARCH64
CentOS Stream	8, 9	x86_64
Debian	Current supported releases	x86_64, x86, AARCH64
Fedora Linux	Current supported releases	x86_64, x86, AARCH64
FreeBSD	12.x, 13.x	x32, x64
HP-UX	11.31	PA, 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
Oracle Enterprise Linux (OEL)	6, 7, 8, 9	Current Linux architectures: s390x, PPC64, PPC64le, x86, x86_64, AARCH64
Oracle Solaris	10 8/11 (Update 10), 11.x	SPARC, x64
Red Hat Enterprise Linux (RHEL)	6, 7, 8, 9	Current Linux architectures: s390x, PPC64, PPC64le, x86, x86_64, AARCH64
Rocky Linux	8, 9	x86_64, AARCH64
SuSE Linux Enterprise	12, 15	Current Linux architectures: s390x,

Platform	Version	Architecture
Server (SLES)/Workstation		PPC64, PPC64le, x86, x86_64, AARCH64
Ubuntu	Current supported releases	x86_64, x86, AARCH64

System requirements

Before installing Safeguard Authentication Services 5.1.2, 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 4: 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
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System requirements

- Windows Server 2019
- Windows Server 2022
- Windows 10
- Windows 11

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.

Supported cloud services

- 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.

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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/>.

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- View services to assist you with your product

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