

Safeguard Authentication Services

5.1.1

Release Notes

05 April 2023, 14:50

These release notes provide information about the Safeguard Authentication Services 5.1.1 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 5.1.1 is a minor release that includes various bug and stability fixes. See [Resolved issues](#) for a list of fixes included in this release.

End of support notice

After careful consideration, One Identity has decided to cease the development of the Management Console for Unix (MCU). Therefore, the MCU will enter limited support for all versions on April 1, 2021. Support for all versions will reach end of life on Nov 1, 2021. For definitions of support, see the [Software Product Support Lifecycle Policy](#).

As One Identity retires the MCU, we are building its feature set into modern platforms starting with Software Distribution and Profiling. Customers that use the MCU to deploy Authentication Services and Safeguard for Sudo can now use our Ansible collections for those products, which can be found at [Ansible Galaxy](#).

Enhancements

The following is a list of enhancements implemented in Safeguard Authentication Services 5.1.1.

Table 1: General enhancements

Enhancement	Issue ID
The Samba Configuration policy has been updated to support all options of Samba version 4.13.17. So far the Samba Configuration policy has made possible the setting of about 335 configuration variables in <code>smb.conf</code> . The policy has been updated to support all 496 configuration variables of Samba version 4.13.17.	241497
SQLite has been upgraded to version 3.40.0.	387777

Resolved issues

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

Table 2: General resolved issues in version 5.1.1

Resolved Issue	Issue ID
From now on, the <code>msds-supportedencryptiontypes</code> attribute of new computer and service objects in AD are configurable. <code>vastool join</code> , <code>vastool create computer</code> and <code>vastool service create</code> have a new <code>-m</code> option which makes it possible to configure the <code>msds-supportedencryptiontypes</code> attribute of computer and service objects in AD.	228501
From now on, the existence of daemon user is checked less frequently. If no daemon user exists, do not force to change the current user.	288106
Now on Linux systems tools link with <code>libtinfo</code> version 6 which have caused linker issues on older systems having version 5 only. This scenario is now detected during package install and a symlink will be created.	326808
The <code>vastool list user</code> command does not return an error on HP UX.	367436
Fixed an issue where <code>systemd</code> services like <code>vasd</code> have been disabled on package update or install. This issue affected <code>systemd</code> -based Linux systems where <code>chkconfig</code> has also been installed. When upgrading, or newly installing and joining to domain, the <code>vasd</code> process is left running but the <code>vasd.service</code> is marked disabled. If the	368125

Resolved Issue	Issue ID
system is then rebooted, without explicitly enabling the <code>vasd.service</code> , the service is not automatically restarted on system startup.	
Heimdal has been updated to version 7.8.0, fixing several vulnerabilities including CVE-2022-3437 (Overflows and non-constant time leaks in DES and arcfour).	386039
<code>vastool</code> was not prepared for the interruption of communication with KDC. After the fix, such cases will be handled appropriately.	389577
The <code>vgptool apply</code> command will not crash when used with debug level 5 or higher.	394666
The <code>/var/opt/quest/vas/vasd/.vasd_ipv4</code> file's permissions (666) were different from the permissions (644) of other files created by <code>vasd</code> in the same directory. After the fix, <code>.vasd_ipv4</code> will have the same permissions as other files.	400369
<code>vastool user getgroups</code> should not have required a kerberos principal when it returned the group information from the local cache. By default, <code>vastool user getgroups</code> returns the group information from the local cache. The <code>-l</code> option changes this behaviour so that <code>vastool</code> directly uses LDAP searches. In the first case, <code>vastool</code> should not have required a kerberos principal, but it did. After the fix, <code>vastool user getgroups</code> will require kerberos principal only when the <code>-l</code> option is used.	403529
Getting group information will be served from the cache if the DC is not available. If the Domain Controller can not be reached, user and group information will be served from the cache after the communication timeout.	403534
Control Center crashed during startup when the Management Console for Unix Configuration fields were filled in.	404205
Control Center started up several seconds slower if the Active Directory had a lot of Group Policy Objects. This issue has been fixed. The regression only affected version 5.1.0.	405132
Packages no longer ship the <code>sysv init</code> script on distributions where <code>systemd</code> is used. Previously, One Identity shipped both <code>sysv</code> and <code>systemd</code> service files. This change has been introduced to avoid issues observed on SUSE and SLES where <code>systemd-sysv</code> compatibility is enforced and broken on default installations, preventing the service from being enabled.	406793

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 3: Known issues

Known Issue	Issue ID
Upgrading vasgp to 5.1.1 on a Linux system may result in a warning. For more information, see KB 4370885 .	413357

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 4: 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

Platform	Version	Architecture
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 Server (SLES)/Workstation	12, 15	Current Linux architectures: s390x, PPC64, PPC64le, x86, x86_64, AARCH64
Ubuntu	Current supported releases	x86_64, x86, AARCH64

System requirements

Before installing Safeguard Authentication Services 5.1.1, 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. Refer to the *One Identity Safeguard Authentication Services Installation Guide* for detailed installation instructions.

Refer to the *One Identity Safeguard Authentication Services Upgrade Guide* for more detailed information about upgrading your current version of Safeguard Authentication Services.

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 5: 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>

System requirements

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

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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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