

# **Safeguard Authentication Services 5.0.1**

## **Release Notes**

#### May 2021

These release notes provide information about the Safeguard Authentication Services 5.0.1 release.

## **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 5.0.1 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.

# **Resolved issues**

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

#### **Table 1: General resolved issues**

Resolved Issue	Issue ID
macOS: Initial support for 11.0. x86_64 only.	259417
Scripts: Status, fixed Redhat 6 false positive on SELinux.	258782
vascert: Fixed issue on Catalina with storing the cert.	257240
Packaging: Fixed issue with vasdbeing started from install and not joining.	256834
vgptool: Accept a group policy with the new license style.	256268
Starling: Fixed possible hang on return from Starling join request.	255367
vasypd: Fixed failure to restart with a dangling .pid file.	254681
vastool: Added a new SPN, as / <sname> for service use.</sname>	254292
vgptool: Ignore Warning: lines in visudo -c output.	252911
Group policy: Added support for the new license style to the License Policy.	252330
NSS: Fixed 64-bit NSS call failures on Linux on PPC64 with SLES 11.4.	251944
vasypd: When starting, use vas.conf instead of the cache to determine the joined domain. This fixes a rare start-up timing issue.	251415
vasd: If a child daemon cannot make its socket file due to a full disk, do not segfault, and slow down re-tries to once a second.	249941
PAM: When username-attr-name is not sAMAccountName, allow it to be used as a login name.	249940
Group policy: Fixed issue with Apply button not being enabled on change.	246381
vasd: Fixed possible segfault if the daemon account does not exist.	246117
AIX: In Heimdal, use thread-safe errno. This helps commands like mkdir, lstat, and so on, running in a thread.	244563
PAM: Treat the gdm-vmwcred service as if try_first_pass was set.	240627
NSS: Fixed NSS module affecting umask value of other threads during NSS calls.	239973
MS Windows: Show Unix account tab when DN contains an extra '='.	239718
dnsupdate: On macOS, handle an issue that can trigger removing the SRV after	235715



Resolved Issue	Issue ID
some time after reboot or restart.	
Scripts: Fixed a bad substitution error on some OSes in vas_oneway_setup.sh.	233310
dnsupdate: Fixed issue on Solaris 10 with ipmond -i not working.	199527
Snapshot: Add rsyslog.conf and rsyslog.d/* to snapshot.	23184
Windows: Update signing to sha256.	23164

## **Known issue**

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

#### Table 2: Known issues

Known Issue	Issue ID
You must upgrade all Windows components on all Windows systems to Authentication Services 4.2.1 or higher before modifying the QAC (Quest Authentication Configuration) in Active Directory using Control Center from QAS 4.2.0 or higher. For more information, please see the KB Article 314330.	198991

This was corrected in Authentication Services 4.2.1.

## **Supported platforms**

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

#### Table 3: Unix agent: Supported platforms

Platform	Version	Architecture
Amazon Linux AMI		x86_64
Apple macOS	10.13 or later	x86_64
CentOS Linux	5, 6, 7, 8	Current Linux architectures: s390, s390x, PPC64, PPC64le, ia64, x86, x86_64, AARCH64
Debian	Current	x86_64, x86, AARCH64



Platform	Version	Architecture
	supported releases	
Fedora Linux	Current supported releases	x86_64, x86, AARCH64
FreeBSD	10.x, 11.x, 12.x	x32, x64
HP-UX	11.31	PA, IA-64
IBM AIX	7.1, 7.2	Power 4+
OpenSuSE	Current supported releases	x86_64, x86, AARCH64
Oracle Enterprise Linux (OEL)	5, 6, 7, 8	Current Linux architectures: s390, s390x, PPC64, PPC64le, ia64, x86, x86_64, AARCH64
Oracle Solaris	10 8/11 (Update 10), 11.x	SPARC, x64
Red Hat Enterprise Linux (RHEL)	5, 6, 7, 8	Current Linux architectures: s390, s390x, PPC64, PPC64le, ia64, x86, x86_64, AARCH64
SuSE Linux Enterprise Server (SLES)/Work- station	11, 12, 15	Current Linux architectures: s390, s390x, PPC64, PPC64le, ia64, x86, x86_64, AARCH64
Ubuntu	Current supported releases	x86_64, x86, AARCH64

## **System requirements**

Before installing Safeguard Authentication Services5.0.1, 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 IdentitySafeguard 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.



# Windows and cloud requirements

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

#### **Table 4: Authentication Services requirements**

System rec	quirements		
Supported Windows Platforms	Prerequisite Windows software		
	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:		
	Microsoft .NET Framework 4.5		
	You can install Safeguard Authentication Services on 64-bit editions of the following configurations:		
	Windows Server 2008 R2		
	Windows Server 2012		
	Windows Server 2012 R2		
	Windows Server 2016		
	Windows Server 2019		
	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	<ul> <li>AWS Directory Service for Microsoft Active Directory (also called AWS Managed Microsoft AD)</li> </ul>		
	Azure Active Directory Domain Services		
	<ul> <li>Google Cloud Platform Managed Service for Microsoft Active Directory</li> </ul>		

## **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.

NOTE: In order to use Starling Two-Factor Authentication with Safeguard Authentication Services, you must have a valid license for Authentication Services with One Identity Hybrid Subscription included.

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.

## **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 IdentitySafeguard Authentication Services Installation Guide* for detailed installation instructions.

Safeguard Authentication Services allows you to perform all of your Unix identity management tasks from the Safeguard Authentication ServicesControl Center. Refer to the *One IdentitySafeguard Authentication Services Upgrade Guide* for more detailed information about upgrading your current version of Safeguard Authentication Services using the Safeguard Authentication ServicesControl Center.

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 IdentitySafeguard Authentication Services Administration Guide*.

### **More resources**

Additional information is available from the following:



- Online product documentation: https://support.oneidentity.com/safeguardauthentication-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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## About us

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

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

Table	5:	List	of	<b>Third-Party</b>	Contributions
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Component	License or Acknowledgement		
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bcrypt None	This component is governed by The Apache Software License Version 1.0, August 17th, 2003		
Boost 1.38	This component is governed by Boost Software License 1.0		
Codejock Property Grid 11.22	Copyright N/A		
	This component is governed by license Codejock Property Grid 11.22		
expat 2.0.0	Copyright N/A		
Heimdal	This component is governed by license MIME++ 4.0 Copyright N/A		
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InstallShield	Copyright N/A		
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jansson 2.0.1	This component is governed by MIT jansson JSON license http://www.json.org/license.html		
json-lib 2.1	This component is governed by Artistic License 1.0		
OpenSSL 0.9.8d	This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (http://www.openssl.org/)		
	This component is governed by OpenSSL 1.0 License		
RapidJSON 1.1.0 SQLite 3.6.23	Copyright (C) 2015 THL A29 Limited, a Tencent company, and Milo Yip. All rights reserved.		
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