

# One Identity Authentication Services 4.2.2

## Release Notes

### December 2019

These release notes provide information about the One Identity Authentication Services 4.2.2 release.

## About this release

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.

Authentication Services 4.2.2 is a minor release that includes:

- Starling enhancements
- Cloud service platform support

## New features

The following new features are now available with Authentication Services 4.2.2:

- **Starling enhancements (797136)**

The administrator can set up a proxy url from Quest Authentication and use Starling two-factor authentication to log in. Any phone number or email attribute can be selected. The default time can be changed. Messaging includes the hardware being authorized.

The feature is available on multiple platforms including running Starling on Oracle Solaris 10 x86\_64 and on AIX 7.1/7.2.

- **Cloud Service platform support**

- Google Cloud Platform Managed Service for Microsoft Active Directory
- AWS Directory Service for Microsoft Active Directory (also called AWS Managed Microsoft AD)

## Resolved issues

The following is a list of issues addressed in Authentication Services 4.2.2.

**Table 1: General resolved issues**

Resolved Issue	Issue ID
vastool: Fix incorrect option to user checkaccess.	308319
vastool: Fix symlink issue on Linux PPC64LE during configure pam.	706559
vastool: When unconfiguring passwd on Solaris 11, remove added use_first_pass.	764742
smartcard: Better handle smartcards with multiple slots.	797298
vgp: Validate sudoers file before attempting to modify it.	801114
vastool: During join, if the computer password failed to set properly, stop there instead of continuing the join.	802574
packaging: During uninstall, suppress unconfigure selinux messages.	803790
vastool: Better handle cross domain / forest starling detection and caching.	804042 and 804045
scripts: Add version check to install.sh on Solaris 10 for 8/11 (Update 10).	804105
krb5: Fix joining to domains with a lot of DCs on AIX and Solaris.	804788
vastool: On Solaris 11.4, configure a 64-bit libsudo_vas library to match the new 64-bit sudo binary.	804856
vastool: When running vastool starling check with debug, add --debug-verbose to the call to starling.	804894
vastool: Fix configure selinux issue on RedHat 6.x.	805417
vasd: vas_ccache_renew was filling up /tmp/ duplicating files on renewing.	805560
status: Add additional check for users.starling before checking Starling	805666

**Resolved Issue****Issue ID**

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configuration / status.

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vastool: During join, set msDS-SupportedEncryptionTypes to 524319 from 31 to disable Resource SID Compression, to help with cross domain/forest group memberships in mixed domain functional level situations.

806078

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krb5: Update Heimdal to the latest version, 7.7.0.

NA

# Known issues

The following is a list of issues known to exist at the time of release.

**Table 2: Known Issues**

<b>Known Issue</b>	<b>Issue ID</b>
auth: Cross forest user with child domains can fail to log in. There is a workaround using capaths, see KB 54961.	802683
vgp: Setting smb-dialect-range to include 3+ triggers downloading of files to fail.	804186

## System requirements

Before installing Authentication Services 4.2.2, 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 Authentication Services Administration Guide*.

Use of RCF 2307 attributes in the user object and for storage of NIS maps requires the installation of the Microsoft Windows Server 2003 R2 schema.

# Supported platforms

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

**NOTE:** With Authentication Services 4.2 and later, Linux platforms require glibc 2.4 (or later).

**Table 3: Unix agent: Supported platforms**

Platform	Version	Architecture
Amazon Linux AMI		x86_64
Apple macOS	10.12, 10.13, 10.14, 10.15	x86_64
CentOS Linux	5, 6, 7, 8	Current Linux architectures: s390, s390x, PPC64, PPC64le, ia64, x86, x86_64, AARCH64
Debian	Current supported releases	x86_64, x86, AARCH64
Fedora Linux	Current supported releases	x86_64, x86, AARCH64
FreeBSD	10.x, 11.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)/Workstation	11, 12, 15	Current Linux architectures: s390, s390x, PPC64, PPC64le, ia64, x86, x86_64, AARCH64

Platform	Version	Architecture
Ubuntu	<a href="#">Current supported releases</a>	x86_64, x86, AARCH64

## Windows and cloud requirements

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

**Table 4: Authentication Services requirements**

System requirements	
Supported Windows Platforms	<p>Prerequisite Windows software</p> <p>If the following prerequisite is missing, the 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"> <li>• Microsoft .NET Framework 4.5</li> </ul> <p>You can install Authentication Services on 64-bit editions of the following configurations:</p> <ul style="list-style-type: none"> <li>• Windows Server 2008 R2</li> <li>• Windows Server 2012</li> <li>• Windows Server 2012 R2</li> <li>• Windows Server 2016</li> <li>• Windows Server 2019</li> </ul> <p><b>i</b> <b>NOTE:</b> Due to tightened security, when running 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 Authentication Services Windows components on Active Directory domain controllers. The recommended configuration is to install the Authentication Services Windows components on an administrative workstation.</p>
Supported cloud services	<ul style="list-style-type: none"> <li>• AWS Directory Service for Microsoft Active Directory (also called AWS Managed Microsoft AD)</li> <li>• Azure Active Directory Domain Services</li> <li>• Google Cloud Platform Managed Service for Microsoft Active Directory</li> </ul>

# Product licensing

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

- 1 **NOTE:** While you can install and configure 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 Authentication Services license installed for full functionality.
- 1 **NOTE:** In order to use Starling Two-Factor Authentication with 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 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, Authentication Services uses the updated Windows components. Refer to the *One Identity Authentication Services Installation Guide* for detailed installation instructions.

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

## More resources

Additional information is available from the following:

- Online Authentication Services product technical documentation:  
<https://support.oneidentity.com/authentication-services/technical-documents>
- One Identity | Unix Access Management Community:  
<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.



# About us

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## Contacting us

For sales or other inquiries, visit <https://www.oneidentity.com/company/contact-us.aspx> or call +1-800-306-9329.

## 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](http://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 Third-Party Contributions**

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jansson 2.0.1	Copyright (c) 2009-2011 Petri Lehtinen <petri@digip.org> This component is governed by MIT jansson
json-lib 2.1	JSON license <a href="http://www.json.org/license.html">http://www.json.org/license.html</a> This component is governed by Artistic License 1.0
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