

# One Identity Authentication Services 4.2.1

## Release Notes

### July 2019

These release notes provide information about the One Identity Authentication Services 4.2.1 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 4.2.1 is a minor release that includes enhancements to the Starling integration and addresses customer-reported issues. For more information see [Enhancements](#) and [Resolved issues](#).

# Supported platforms

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

**Table 1: Unix agent: Supported platforms**

Platform	Version	Architecture
Amazon Linux AMI		x86_64
Apple macOS	10.12, 10.13, 10.14	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
Red Hat Enterprise Linux (RHEL)	5, 6, 7, 8	Current Linux architectures: s390, s390x, PPC64, PPC64le, ia64, x86, x86_64, AARCH64
Solaris	10.x, 11.x	SPARC, x64
SuSE Linux Enterprise Server (SLES)/Workstation	11, 12, 15	Current Linux architectures: s390, s390x, PPC64, PPC64le, ia64, x86, x86_64, AARCH64
Ubuntu	Current supported releases	x86_64, x86, AARCH64

# Enhancements

The following is a list of enhancements implemented in Authentication Services 4.2.1.

**Table 2: Starling enhancements**

Enhancement	Issue ID
Multiple enhancements to Starling integration, including: <ul style="list-style-type: none"><li>• Proxy support: Authentication Services can now be configured to use a proxy server for outbound web requests to Starling.</li><li>• Customizable attributes: You can now specify the user mobile number and user email address attributes to be used by Starling push notifications.</li><li>• Support for additional platforms</li></ul>	797136

# Resolved issues

The following is a list of issues addressed in Authentication Services 4.2.1.

**Table 3: API: Resolved issues**

Resolved Issue	Issue ID
Update jansson version, potential fix for low memory segfault.	798406

**Table 4: docs: Resolved issues**

Resolved Issue	Issue ID
Add include-local-group-memberships to man page list.	799734
Update man page for smb-dialect-range default to correct value, '1-2.1'.	802745

**Table 5: FreeBSD: Resolved issues**

Resolved Issue	Issue ID
Add Netgroup support to the NSS module.	793024

**Table 6: krb5: Resolved issues**

Resolved Issue	Issue ID
Symbol name-safe more libraries in heimdal.	797137

<b>Resolved Issue</b>	<b>Issue ID</b>
Fix GSSAPI for third-party application integrations.	798006
Fix double password (badPwdCount) increment on single bad password.	801349

**Table 7: lam: Resolved issues**

<b>Resolved Issue</b>	<b>Issue ID</b>
Add NSS debug (QAS_ID_(DBG CALL)_STDERR) to the lam module.	799038

**Table 8: nss: Resolved issues**

<b>Resolved Issue</b>	<b>Issue ID</b>
In UPM, do not respond to samaccount name requests.	800853

**Table 9: osx: Resolved issues**

<b>Resolved Issue</b>	<b>Issue ID</b>
Fix for using autogen with mapped users on OSX.	799462
Change vasd to use the OS provided logging instead of syslog.	799674
Fix self-enrollment issue on 10.11+.	799986

**Table 10: package: Resolved issues**

<b>Resolved Issue</b>	<b>Issue ID</b>
Remove openssl.	774875
Fix preflight zip package.	797344
Add correct packages to the AIX zip package.	797347
Remove ncurses 5 dependency from rpms.	798015
Fix symlink for ncurses on Ubuntu 19.	800452
Add symlink for libgcc_s.a to root path.	801736

**Table 11: pam: Resolved issues**

<b>Resolved Issue</b>	<b>Issue ID</b>
Fix small memory leak in the pam module around the prompt.	802684

**Table 12: Powershell: Resolved issues**

<b>Resolved Issue</b>	<b>Issue ID</b>
Fix query that was returning a user's UID instead of GID.	781706

**Table 13: Scripts: Resolved issues**

Resolved Issue	Issue ID
Modify <code>vas_oneway_setup.sh</code> to accept spaces in containers / keytab paths.	796189
Fix <code>install.sh</code> to handle upgrade of <code>dnupdate</code> after name change.	798241

**Table 14: Smartcard: Resolved issues**

Resolved Issue	Issue ID
Configure <code>pam</code> even if <code>pam_vas</code> is not configured.	706419

**Table 15: Starling: Resolved issues**

Resolved Issue	Issue ID
Add support for proxy authentications.	797684

**Table 16: Status: Resolved issues**

Resolved Issue	Issue ID
Fix false failure on new <code>su-l</code> include on Ubuntu 19.	800453
Better handling and reporting for bad Starling configurations.	801436

**Table 17: vas.conf: Resolved issues**

Resolved Issue	Issue ID
Accept both <code>%</code> and <code>\$</code> for <code>default_cc_name</code> . <code>%</code> is preferred.	801908

**Table 18: vasd: Resolved issues**

Resolved Issue	Issue ID
On AIX, with <code>include-local-group-memberships</code> set, return local group memberships when returning fresh group memberships from change 655560.	791058
Change <code>enable-nonroot-disconnected-cache</code> default to false. This setting is deprecated and will be removed at a future date.	793590
Clear out old <code>srvinfos</code> records during <code>realmscache-sync-interval</code> .	794218
Throttle socket file creation attempts.	794631
Fix error message about VGP versions when VGP is not installed.	795705
Make correct <code>host.keytab</code> alias entries, even if <code>arcfour</code> entries are removed.	799987

<b>Resolved Issue</b>	<b>Issue ID</b>
Fix access control forced processing every 30 seconds if there was a file in /etc/opt/quest/vas/access.d that did not end in .allow / .deny.	801076
Add urandom to allowed write of vasd_t in the SELinux policy.	801430

**Table 19: vastool: Resolved issues**

<b>Resolved Issue</b>	<b>Issue ID</b>
Fix issue where vastool configure [extra-]realm removed default_etypes under some situations.	762605
Fix issue with configuring pam.d/* files when only one entry has an include style line.	787558
Allow 'vastool configure pam' to configure the authorization service.	790635
vastool configure [extra-]realm will now fill out multiple kdcs in the multi-line format.	797425
Handle SIGWINCH signal (window resize) during password prompt.	798226
During join with -U/-G, check for attributes in GC. Also test for in vastool status.	799032
When running status, unset wrapper library paths.	801737

**Table 20: vasygd: Resolved issues**

<b>Resolved Issue</b>	<b>Issue ID</b>
Allow x.x.x.0 as a valid IP address in client-addr.	796696

**Table 21: vgp: Resolved issues**

<b>Resolved Issue</b>	<b>Issue ID</b>
Do not restart syslog each time a policy is applied if nothing changed.	795030

**Table 22: Windows: Resolved issues**

<b>Resolved Issue</b>	<b>Issue ID</b>
Add new GUID class for Active Roles Server 7.3.	790013
Fix Control Central failure on startup when the Internet is unreachable.	798589
Do not fail to open the Control Center when there are unknown attributes in the QAC schema container.	800254

# Known issues

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

**Table 23: SELinux known issues**

Known Issue	Issue ID
<p>After installing the vasd-selinux policy user home directories that were created prior to the policy being installed might have the incorrect SELinux security context label.</p> <p><b>Workaround:</b></p> <p>Run the following command to restore the home directories to their default file contexts:</p> <pre>\$ /opt/quest/libexec/vas/selinux/configure_selinux.sh restore &amp;lt;*/home*&amp;gt;</pre> <p>where /home is the path to the users' home directories that need the correct SELinux context label. If no path is provided, /home is used by default.</p>	

**Table 24: Change Auditor integration known issues**

Known Issue	Issue ID
<p>After installing Authentication Services, the machine must be rebooted for Change Auditor to log "QAS GPO Setting Changed" events.</p>	28008

**Table 25: FreeBSD known issues**

Known Issue	Issue ID
<p>Due to limitations of FreeBSD's password application, Authentication Services cannot support the changing of an Authentication Services user's password using the system passwd command.</p> <p><b>Workaround:</b> Use <code>vastool passwd</code> to change an Authentication Services user's password.</p>	777670

**Table 26: Cross forest sub domain known issues**

<b>Known Issue</b>	<b>Issue ID</b>
Cross forest sub domain kinit / authentication fails with KRB5KDC_ERR_PATH_NOT_ACCEPTED.  There is a known issue traversing transitive trusts into sub domains with Authentication Services 4.2.  <b>Workaround:</b> Contact One Identity Technical Support for assistance with setting up capaths.	802683

## System requirements

Before installing Authentication Services 4.2.1, 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 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.

## Product licensing

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 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.
- 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 product documentation: <https://support.oneidentity.com/authentication-services/technical-documents>
- One Identity | Unix Access Management: <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 27: List of Third-Party Contributions**

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