

Release Notes 8.1.4.1

Avaya Aura® Device Services 8.1.4.1.40 Release Notes

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Introduction

This document provides the release notes for Avaya Aura® Device Services 8.1.4.1 GA load.

Installation

Product compatibility

For the latest and most accurate compatibility information go to <https://support.avaya.com/CompatibilityMatrix/Index.aspx>.

The following table lists the minimum and recommended release lineups of the Avaya products that the Equinox Clients require:

Important Note

Aura 7.X is not supported from Avaya Aura® Device Services 8.1.4.0 Release.

Product	Minimum Release*	Recommended Release*
Avaya Aura® System Manager (SMGR)	8.0.1.2	8.1.3

Avaya Aura® Session Manager (SM)	8.0.1.2	8.1.3
Avaya Aura® Communication Manager (CM)	8.0.1.2	8.1.3
Avaya Aura® Presence Services (PS)	7.1.2	8.1.4
Avaya Meetings Server	9.0.2.0	9.1.11
Avaya Aura Device Services	8.1.4	8.1.4.1
Avaya Aura Web Gateway	3.8	3.9

* Or later service pack.

Product Release Line-Up

The following table lists the release build numbers of the Avaya Workplace clients and required infrastructure servers.

Client/Server	Release Number	Date Available
Avaya Workplace for Windows	3.19.0.72.19	08 Jun 2021
Avaya Workplace for MacOS	3.19.0.72.15	08 Jun 2021
Avaya Workplace for Android	3.19.0.72	31 May 2021
Avaya Workplace for iOS	3.19.0.72	31 May 2021
Avaya Multimedia Messaging	3.5.1	19 Dec 2018
Avaya Aura® Presence Services	8.1.4.0.31	13 Apr 2021
Avaya Aura® Device Services	8.1.4.1.40	21 Jun 2021
Avaya Aura® Web Gateway	3.9.0.0.636	26 Mar 2021

Support Documents

	URL
Avaya Aura Device Services 8.1.4 Deployment Guide	https://downloads.avaya.com/css/P8/documents/101074785
Avaya Aura Device Services 8.1.4 Administering Guide	https://downloads.avaya.com/css/P8/documents/101074784

Deployment Considerations

Upgrade from (8.1.4.0.165 to 8.1.4.1.40)

- Upgrade SMGR to the latest 8.0/8.1 GA load if needed
- Upgrade SM(s) to the latest 8.0/8.1 GA load if needed
- Check version of the system layer using command: "sys versions" . No need to upgrade the system layer if it is already 3.5.0.0.9
- Update to a new system layer 3.5.0.0.9
- **Note:** if cluster setup, please update system layer on all nodes before next step
- Copy AADS 8.1.4.1.40 binary to server
- Install AADS 8.1.4.1.40 binary

```
app install <absolute path of aads-8.1.4.1.40.bin>
```

- **Note:** If cluster setup, please install "aads-8.1.4.1.40.bin" first on seed node, later repeat this step for backup node
- Once installation/upgrade is done with all nodes, start AADS services

Software only deployment: Upgrade from (8.1.4.0.165 to 8.1.4.1.40)

- Upgrade SMGR to the latest 8.0/8.1 GA load if needed
- Upgrade SM(s) to the latest 8.0/8.1 GA load if needed
- Copy AADS 8.1.4.1.40 binary to server
- Install AADS 8.1.4.1.40 binary

```
app install <absolute path of aads-8.1.4.1.40.bin>
```

- **Note:** If cluster setup, please install "aads-8.1.4.1.40.bin" first on seed node, later repeat this step for all other nodes.
- Once installation/upgrade is done with all nodes, start AADS services

IPv6

- Google Chrome is recommended to login to Admin GUI using Ipv6 address. Mozilla Firefox asks for authentication credentials again for some pages.
- IPv6 is not supported for AWS deployments.
- NTP ,DNS and onboard openLDAP in IPv6 mode only is not supported from AADS 8.0.1

Utility Server Application Instructions

Note: In cluster setup, cluster configuration must be done before utility server configuration

- **New Virtual IP for Utility Server Services**

From 7.1.3.2 release we support port 443 for Utility services.
A new Virtual IP is needed, and would be adding during installation and upgrade process.

- **Firmware Upload Custom File upload Feature**

In clustered environment, Utility Server admin operations like uploading firmware and custom upload files (images, ringtones, Certificates etc) should be done in all nodes using the admin interface of the node in context

- **Phone Backup Feature**

In clustered environment, Phone Backup Feature works only when seed node (first node) is up and running.

- **Utility Server Admin Access**

In clustered or stand alone setups, US Admin ui is accessible with this URL https://<AADS_node_IP_Address>:8543/admin.html Note that admin operations , should be performed on each node in a clustered environment.

- **Enable HTTP interface for AADS- Utility Services**

After upgrading to 8.1.4.1.40 to enable HTTP interface for AADS Utility Server, please run the script /opt/Avaya/DeviceServices/8.1.4.1.40/CAS/8.1.4.1.40/misc

```
sudo ./us-http-port.sh --enable
```

What's new

The following table lists the enhancements in Avaya Aura® Device Services 8.1.4.1

AADS 8.1.4.1 Release Content	
New Feature Content	<ul style="list-style-type: none">• LDAP Partition Based Search for the Quick Search option• Support for Azure AD• OAuth2/SAML integration with Azure IDP / O365 IDP• System Layer Update: RHEL rpms security updates

Fixed Issues

Key	Summary
ACS-21071	External researcher discovered remote code execution vulnerability
ACS-22272	DRS fails after installation using 3rd party certificates
ACS-22450	If searchEmail=true and username=UID , unusual response from Auto Config API
ACS-22451	Irrelevant logs gets printed at warn level
ACS-21602	Avaya IT AADS: AADS blocked on config caching (should resolve Customer reported issue)
ACS-22448	SpacesAuraSettingsSyncServiceImpl.getSpacesUserSettings does the same LDAP query twice
ACS-21718	Keycloak export blocking AADS backup
ACS-21716	During upgrade from 8.1.3.0.293 to 8.1.3.0.302 solution realm setting not imported
ACS-21673	Force ldap sync failure
ACS-21643	Unable to config secure openLDAP if enabled during the upgrade
ACS-21611	New Utility Server is not working on AADS 8.1.4 after being upgraded from AADS 8.1.3
ACS-21594	[8.1.4.1] Should update "Spaces configuration" in the error message if AADS failed to retrieve existing Spaces configurations.
ACS-21552	When syncing users with Avaya cloud Accounts, AADS deleted the user's phone number that added by user in accounts
ACS-21533	LDAP connections are not released when IWA is enabled
ACS-21519	Address PSST Reported RCE vulnerability on Utility Services
ACS-21511	Sometimes Keycloak service on backup node is not getting deployed completely
ACS-21441	[Porting ACS-20131]: Upgrade from 8.0.2 to 8.1.3 fails to import the keycloak configuration
ACS-21440	AADS Keycloak service issue when using same last octet of IP Address on multi node AADS cluster
ACS-21413	[8.1.4] httpd is not running when reboot server
ACS-21374	Disable Directory Listing

ACS-20238	[OpenLDAP][Intermittent] Can not configure onboard OpenLDAP in "app configure"
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Known issues and workarounds

Key	Summary	Affects Version/s	Solution
ACS-21419	In AWS swonly deployment, with AADS 8.1.3 OR even after upgrade to 8.1.4, the custom URL from Utility server VIP is not accessible	8.1.4	Following are the workaround steps: 1. Add "NM_CONTROLLED=no" to /etc/sysconfig/network-scripts/ifcfg-eth0 2. Add "NM_CONTROLLED=no" to /etc/sysconfig/network-scripts/ifcfg-eth1 3. Add "GATEWAYDEV=eth0" to /etc/sysconfig/network 4. systemctl restart network
ACS-21418	Users which contain space at the end of given name in onboard openldap cannot be added to the assign license page.	8.1.4	Please remove the space at the end of givenname and reimport the users from the Bulk import Users page of AADS Admin UI
ACS-21412	Roles cannot be fetched from onboard openldap for imprivata login.	8.1.4	Please add Active Users Search Filter as (objectClass=inetOrgPerson) for onboard openldap in the ldap configuration page of AADS admin UI and Save the configuration.
ACS-21395	DRS issues Replication after AADS FIPS system is rollbacked to 8.1.3 GA load	8.1.3	This issue would be addressed by a Service pack and a PSN . Please take a VM snap shot before upgrading AADS 8.1.3 FIPS system to 8.1.3
ACS-16075	In AWS, Virtual IP master and Virtual IP backup will not be seen on AADS admin GUI.		N/A
ACS-15995	AADS is case sensitive when looking at trusted host list FQDNs	8.0, 8.0.1	N/A
ACS-15770	missing the data encryption instruction when deploying on SDM integrated with SMGR 8.0.1	8.0.1	Please check with SDM version 8.1 and onwards to get the complete display of data encryption parameters during OVA deployment using SDM.
ACS-11122	Import IDP.xml: Some special chars incorrect mapping between bluetool and admin GUI	8.0.1	Admin to continue using the keycloak admin UI on browser to enter any complicated Admin/User roles.
ACS-7269	Dynamic config group search fails if any LDAP is down in multi-LDAP setup	7.1.5	Need to ensure all the LDAP managed on AADS are up and do not return any exceptions while being searched by the Dynamic Configuration service.

ACS-7167	<p>Auto Config does not support case-insensitivity in LDAP Group DNs.</p> <p>This means that two groups having the same name but with different case (capital or small) in the name, are treated as different groups in Auto Config functionalities like Publishing, searching on group, etc. For example: If a user publishes some settings for a LDAP group via Auto Config, and then changes the name/DN of the group in LDAP by changing the case of the letters only, then the settings published via Auto Config won't be searchable with the new group name. The user would have to search settings with the old name that was used for publishing.</p>	7.1.5	<p>If case of letters is changed in a LDAP group name/DN, then the user should ideally publish the settings again on the new group name/DN, so that those settings are searchable for the new group.</p>
ACS-6380	<p>Upgrading from a load where the US was not enabled, or enabled but without the US VIP/FQDN to a load where the US has a dedicated VIP /FQDN. Eg: 7.1.3.1.38 to 7.1.3.2.39 Also, during this upgrade, it prompts for SMGR enrollment password, along with capturing other data like utility server virtual IP and virtual FQDN.</p> <p>Problem may arise if the admin accidentally (or otherwise) enters an incorrect SMGR enrollment password. As a result The Utility Server certificates may not be fully/correctly configured, because of which the phones will not be able to boot up.</p>	7.1.3.2	<p>Run "app configure" screens and navigate to the Utility Server sub-menu. Enter all the relevant info including the correct enrollment password. Hit "Apply".</p>
ACS-5735	<p>Inclusion the T attribute in the Subject CN of the CA in SMGR CA , causes AADS installation to fail</p>	7.1.3	<p>Modify the CA to remove the T attribute. All previously generated certificates using this CA will need to be regenerated.</p>

Licenses

Avaya Aura® Device Services 8.1.4.0 license files would be present in Avaya Support site.<https://support.avaya.com>

Contact Support Checklist

If you are having trouble with an Equinox Client, you should:

1. Set log level to debug.
2. Retry the action. Carefully follow the instructions in written or online documentation.
3. Check the documentation that came with your hardware for maintenance or hardware-related problems.
4. Note the sequence of events that led to the problem and the exact messages displayed. Have the Avaya documentation available.

If you continue to have a problem, contact Avaya Technical Support:

1. Log in to the Avaya Technical Support Web site <https://support.avaya.com>.
2. Contact Avaya Technical Support at one of the telephone numbers in the Support Directory listings on the Avaya support Web site.

Avaya Global Services Escalation Management provides the means to escalate urgent service issues. For more information, see the Escalation Contacts listings on the Avaya Web site.

Contact Support Tasks

You may be asked to email one or more files to Technical Support for analysis of your application and its environment.

Acronyms

Acronym	Definition
3PCC	Third Party Call Control
AAC	Avaya Aura® Conferencing
AADS	Avaya Aura® Device Services
AAWG	Avaya Aura® Web Gateway
AEMO	Avaya Equinox® Meetings Online
AMM	Avaya Multimedia Messaging
ASBCE	Avaya Session Border Controller for Enterprise
BLA	Bridged Line Appearance
CM	Avaya Aura® Communication Manager
FP	Feature Pack
MDA	Multiple Device Access
MSS	Multi-Stream Switching
OTT	Over The Top
POM	Presentation Only Mode
PS	Avaya Aura® Presence Services
SM	Avaya Aura® Session Manager
SMGR	Avaya Aura® System Manager
SP	Service Pack
SRTP	Secure Real-Time Transport Protocol
TOM	Top of Mind
TLS	Transport Layer Security
UC	Unified Communication