

This document describes new features and issues pertinent to the AOS-W 3.4.4.3 release.

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What's New in This Release

AOS-W 3.4.4.3 is a maintenance release that introduces new enhancements. It addresses and provides solutions to a number of known issues. This section describes new enhancements and their capabilities.

For details on all of the features described in the following sections, see the *AOS-W 3.4.2 User Guide*, *AOS-W 3.4.2 CLI Reference Guide*, and *AOS-W 3.4.2 MIB Reference Guide*.



See the *AOS-W 3.4.2 Software Upgrade Guide* for instructions on how to upgrade your switch to this release.

Issues and Limitations Fixed in AOS-W 3.4.4.3

This release contains all fixes up to and including those in AOS-W 3.4.3.2. The following issues and limitations have been fixed in the AOS-W 3.4.4.3 release:

Table 1 *Fixed in AOS-W 3.4.4.3*

Bug ID	Description
35596	VLAN derivation with <code>value-of</code> against a string attribute works correctly.
36941, 48318	ICMP requests are no longer being blocked on the local switch during config synchronization with the master switch.
45009	A connectivity issue caused by abnormally large <code>Available TX Buffers</code> counts has been fixed.
45325, 44379, 46315, 47913	This release contains voice performance enhancements for SIP calls over 11n APs. To take advantage of this improvement, you must set the <code>interference-immunity</code> in the 11a and 11g radio profiles to Level-3. This can be done through the WebUI or the CLI.
45643	An OAW-AP85 mesh point crash caused when the AP attempts to process large frames has been fixed.
45866, 44712, 50392, 44934	A datapath timeout issue causing the S3 switch to continuously reboot after upgrading has been fixed.
47553, 47919	A switch STM crash caused by a Control Processor Exception that occurred when the user count was high and most of users were not redirected to the Captive Portal page has been fixed.

Table 1 Fixed in AOS-W 3.4.4.3 (Continued)

Bug ID	Description
48107, 48802, 38376	An issue in which the error log displays the message <code>SNMP agent timed out</code> when sending a request to application WMS for object (<code>object id</code>) and reports the switch as down when it is not has been fixed.
48190	The Upload Local File option on the Maintenance tab in the WebUI now works correctly.
49271	You can now successfully delete a Captive Portal profile and user role without needing to restart the auth and httpd processes.

Table 2 Fixed in AOS-W 3.4.4.2

Bug ID	Description
48421	AOS-W 3.4.4.2 adds support for 802.11n APs in the following countries: <ul style="list-style-type: none"> • Japan (JP3) • Taiwan (TW) • Malaysia (MY) • Lebanon (LB) • UAE (AE) • Argentina (AR) • Australia (AU) • Kuwait (KW) • New Zealand (NZ) • Puerto Rico (PR) • Bahrain (BH) • Oman (OM) • Philippines (PH) • Algeria (DZ)
51446, 51733	AOS-W now provides full trust chain of its server certificate in TLS sessions.
51614	Per AP type channel restrictions are now being correctly enforced in AOS-W.
N/A	This release contains fixes for issues found internally.

Table 3 Fixed in AOS-W 3.4.4.1

Bug ID	Description
40032	The OAW-AP105 no longer constantly detects spurious radar when operating DFS channels (52, 56, 60, and 64).
40444	The default gateway can successfully be deleted using the WebUI.
44126	Client devices equipped with an Intel 4965AGN NIC can now maintain a connection and pass traffic when connected to an OAW-AP125 via an HT SSID.
44492	In a master-local set up the client can now successfully send the traffic after roaming from local to master.
44846	An issue in which APs bootstrap during a write mem on the master switch has been fixed.

Table 3 Fixed in AOS-W 3.4.4.1 (Continued)

Bug ID	Description
45053, 46234, 39935, 45710, 45203	Improvements have been made to the stm module to prevent the switch and APs terminating on it from experiencing unintended reboots.
46839	An OAW-AP125 crash in skb_over_panic has been fixed.
47032	The DNSmasq process on 600 Series switches has been improved to allow a DNS query of a domain name longer than 51 characters.
47048	Aruba-ESSID and Aruba-Location-ID are no longer missing from RADIUS requests sent to an external server when the client is authenticated by an XML-API command.
47313	A switch reboot caused by udbserver module crash has been fixed.
48625	When a user is added to the user-table, the switch updates that entry in the route-cache table and deletes any old entries.

Table 4 Fixed in AOS-W 3.4.4.0

Bug ID	Description
34931	With this fix, only new 64-bit tx/rx counters are read when constructing a statistics message for STM. Now, stations that are not associated to the AP are not included, so the error message will not be generated.
36123	XML query with usernames now works correctly.
37115	The time it takes for the switch to locate APs for the first time, or after the cache has expired, has been improved and no longer causes the WebUI to freeze for long periods of time.
38938	The errorlog no longer shows a missing VPN auth profile for every reboot of the switch when there is a RAP terminating on that switch.
41727	The issue with TCP connections not being closed after role change has been fixed.
42160, 42877, 43349	A unexpected switch reboot, accompanied by a fpapps crash, caused by a heap corruption in switchShowAllAccessGrpPrivate due to memory overrun by sprintf has been fixed.
42452	The issue in which mesh points drop large multicast frames due to rx_ccmreply has been fixed.
43977	The issue with the local switch not accessible through the WebUI after upgrading to 3.4.2.5 has been resolved.
45270, 46442, 45744	Unexpected switch behavior due to a datapath exception has been fixed.
45694	The switch is now able to respond to ARP requests from a client when the ARP request is coming from a port-channel.
45829, 46344, 45668	Clients are now able to correctly authenticate while doing AAA Radius authentication.

Table 4 *Fixed in AOS-W 3.4.4.0*

Bug ID	Description
45858	The option Include Technical Support Information is not selected by default when logs are downloaded.
46001	An issue in which datapath utilization reaches 100% during peak traffic has been fixed.
46204	The switch's buffer size has been increased for EAPOL packets to help prevent authmgr crashes.
46251	Wireless clients no longer incorrectly get a role from the wired aaa profile after an auth restart.
46483	An IPIP loop caused by a race in the TCP session has been fixed.

Known Issues and Limitations in AOS-W 3.4.4.3

The following are known issues and limitations for this release of AOS-W. Applicable bug IDs or workarounds are included:

Table 5 *Known Issues and Limitations*

Bug ID	Description
44208, 40777	<p>AP is refusing call admission although the configured Call Admission Capacity (CAC) limit has not been reached. For example, if the call count based CAC is set to n, only n-1 calls will be allowed on that AP.</p> <p>Workaround: For call count based CAC: Set the call-capacity to (n + 1) to ensure that n calls are allowed. For bandwidth based CAC: Set the bandwidth capacity to that required by (n+1) calls to ensure that n calls are allowed.</p>
40858	<p>Client devices are not evenly distributed across the bands when a group of clients attempts to associate simultaneously. The clients will associate on the band that is better in terms of load. However, if a client has an affinity for a particular band, they will be allowed to associate on that band.</p> <p>Workaround: None.</p>
40822	<p>When using Internet Explorer 6, the browser freezes when trying to delete a user through a guest-provisioning account.</p> <p>Workaround: You must use Internet Explorer 7 to avoid this issue.</p>
38398	<p>Only one VAP can have band steering enabled per AP group. Enabling it on multiple VAPs will not give expected results for clients connecting to all VAPs while band steering is enabled.</p> <p>Workaround: Do not enable band steering on multiple VAP in a single AP group.</p>
40032	<p>An OAW-AP105, with its country code set to JP3, frequently detects spurious radar on channels 52, 56, 60, and 64. This issue will affect connectivity on DFS channels.</p> <p>Workaround: To avoid this, use only non-DFS channels (36, 40, 44, 48) when your AP's country code is set to JP3.</p>
39768	<p>Kerberos configuration is only available in the CLI, not the WebUI.</p> <p>Workaround: You must use the CLI to configure Kerberos.</p>
39620	<p>Beginning in 3.4.2.1, users can delete the default-role while it is referenced by a stateful Kerberos authentication profile. This can lead to misconfiguration.</p> <p>Workaround: Ensure that the role being deleted is not being referenced by an authentication profile before deleting it.</p>
39072	<p>When token-caching is enabled and a RADIUS server is used for authentication, the command <code>show user-table verbose</code> will incorrectly label the server as "Internal" instead of "RADIUS." This is a display issue and will not disrupt your configuration.</p> <p>Workaround: None.</p>

Table 5 *Known Issues and Limitations (Continued)*

Bug ID	Description
36507	<p>When an OAW-AP105 is deployed as a Remote AP in bridge or split-tunnel mode, it is possible to observe an occasional AP kernel crash when the AP is subjected to a very large amount of UDP traffic. This is mostly a concern for throughput testing and is extremely unlikely to happen in any real usage scenario.</p> <p>Workaround: None.</p>
35305	<p>For VOIP ALGs to work, the disable scanning option must not be enabled in the VOIP ACLs. If it is enabled, RTP ports are not dynamically opened in the firewall for VOIP clients.</p> <p>Workaround: To avoid this issue, do not select disable scanning in VOIP ACLs. Additionally, if you choose to disable ARM scanning during an active call, enable voip aware-scan under the RF ARM profile.</p>
34830	<p>Frequent re-associations are seen for Spectralink handsets connected to Mesh points. This behavior is caused by the Spectralink handsets, not AOS-W.</p> <p>Workaround: None.</p>
34829	<p>When using the AP Wizard, an error message (Configuration failed) is displayed in the status column when an OAW-AP60 (with an external antenna) is provisioned as a mesh node, however provisioning will go through successfully.</p> <p>Workaround: None.</p>
34408	<p>The OmniAccess 4306GW switch might experience a kernel panic if the RF band is changed when the internal AP is in AM mode.</p> <p>Workaround: There is no need to change the RF band when the internal AP is in AM mode since the software scans both bands.</p>
34103	<p>Push-To-Talk (PTT) does not work on Spectralink phones when battery boost is enabled because battery boost converts multicast and broadcast frames to unicast.</p> <p>Workaround: Do not use Battery Boost while Spectralink PTT is enabled.</p>
33898	<p>Sometimes some Windows and MAC clients may prompt for a password to access a disk attached to a 4306 Series switch even though we do not support configuring a password for NAS access.</p> <p>Workaround: Ignore the prompt. You can access the NAS disk after closing the password prompt or by entering a random password.</p>
32066	<p>When the country code of a running AP is changed in its regulatory domain profile, the AP needs to be rebooted.</p> <p>Workaround: If you change the country code in regulatory domain profile, reboot the AP. Other parameters in the regulatory domain profile can be changed without the need for a reboot.</p>



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Table 5 *Known Issues and Limitations (Continued)*

Bug ID	Description
28983, 31509	Legacy APs, with their country code set to JP3, operating on channels 52, 56, 60, and 64 often detect spurious radar while other APs, placed in same vicinity, do not. Workaround: To avoid this issue when using the country code JP3, use non-DFS channels or replace legacy APs with newer APs (OAW-AP125, OAW-AP105, OAW-AP90 Series).
20194	In a Static WEP configuration, key slot 1 can only be used in tunnel mode. Workaround: Avoid using Static WEP. If Static WEP is used with split or bridge mode Virtual APs (VAP), key slots 2-4 on the switch should be used.

Documents in This Release

New revisions of the following documents are available with this release:

- *AOS-W 3.4.2 User Guide*
- *AOS-W 3.4.2 Command Line Interface Reference Guide*
- *AOS-W 3.4.2 Quick Start Guide*
- *AOS-W 3.4.2 MIB Reference Guide*
- *AOS-W 3.4.2 Software Upgrade Guide*

The documentation library is updated continuously. You can download the latest version of any of these documents from:

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