Release Notes – Maintenance

OmniAccess Stellar

AP1101, AP1201, AP1221, AP1222, AP1231, AP1232, AP1251, AP1201H

AWOS Release 3.0.5.1046

The following is a list of issues that have been identified and corrected in this AWOS software release. This document is intended to be used as a pre-upgrade guide and does not replace the GA Release Notes which are created for every GA release of software.

Contents

OmniAccess Stellar Supported modes
Wi-Fi Express
Wi-Fi Enterprise with OV2500 (OVE 43R3)
Wi-Fi Cloud with OVCirrus (OVC 2.1.0)

Fixed Problem Reports Between Build 30 (GA) and Build 1046 (MR)

PR	Description
ALEISSUE-283	**Summary**: Background scanning duration is not respected correctly. **Explanation**: Updated software to take the set value. Note: total duration time will be "scanning duration time" + 30ms.
ALEISSUE-290	**Summary**: Abnormal count of Interfering AP count on OV Dashboard. **Explanation**: There is malformation data of interfering APs with empty SSIDs, which is invalid. It's fixed by filtering invalid SSIDs data.
ALEISSUE-318	**Summary**: Channel width on 3.0.5.30. **Explanation**: Failure to set bandwidth 20Mhz/40Mhz when ACS is enabled, it is caused by wrong data format of channel width info sent to ACS. Wrong data format is fixed.
ALEISSUE-323	**Summary**: 8118/8128 handset Voice lost during Roaming. **Explanation**: Two optimizations done to improve client roaming time. 1. For clients assigned with default Access Role, default MAC-VLAN of the WLAN is set while WLAN service is initialized. So, after 4-way handshake, AP is ready to forward the client's traffic. 2. Disable WAM module syslog by default to improve processing efficiency.
ALEISSUE-326	**Summary**: APs were showing down on OV-Cirrus and users were unable to authenticate. **Explanation**: It happened when VPN status changed in OV Cloud environment. The AP WAM process has been enhanced to check the VPN down status and attempt full rebind with new information.
ALEISSUE-329	**Summary**: The AP is not coming up in OV 2500, if the ICMP is blocked between the AP and the OV 2500. **Explanation**: Connection to OV was detected based on multiple inputs from ICMP, MQTT status etc. in AP software. Now the dependency on ICMP has been removed as in some cases ICMP is blocked by the firewall.

| ALEISSUE-330 | **Summary**: Unable to set a space in the AP name in Express mode. |
| | **Explanation**: Space character is not supported in AP name but there is no input limitation. Now space character is restricted in AP name filed in WEB GUI. |

Open Problem Reports and Known Issues

The problems listed here include problems known at the time of the product's release. Any problems not discussed in this section should be brought to the attention of the Service and Support organization as soon as possible. Please contact customer support for updates on problem reports (PRs) where no known workaround was available at the time of release.

PR	Description	Workaround
ALEISSUE-335	**Summary:** Fail to Get Success redirection page if post auth role does not have access to UPAM.	Provide emergency response build for this issue. Both OV and AP side are updated.
ALEISSUE-344	**Summary:** No clients able to connect to AP, client count appears as zero.	Internal link status of 2.5G ethernet interface is sometimes going down on specific customer site. A dedicated troubleshooting build is provided to customer to check whether solution is valid. There is no workaround until reboot of the AP.
ALEISSUE-340	**Summary:** Clients IPs are not displayed when connecting to Mesh point.	It happens when a client finish roaming to a new AP without changing IP address. The issue will disappear after client has some traffic on the AP roamed to.
CRNOV-815	**Summary:** High CPU in Stellar AP with no clients connected.	The problem occurs with low probability. A dedicated build is provided to customer with logs and debug codes added for further analysis. There is no workaround until reboot of the AP.

New Features Introduced – 3.0.5.1046
There are no new features in this release.

Limitations and/or dependencies

1. Troubleshooting enhancements.

Limitation:

TX retry statistics for 2.4Ghz devices on AP1201/AP1251/AP1220 not available; TX retry statistics for 5Ghz devices on AP1201/AP1201H/AP1251 not available.

RX error statistics for 2.4/5Ghz devices on AP1201H/AP1201/AP1220/AP1230/AP1251 not available.

2. Mesh

OV Cirrus Mode: According to the design, from AP's perspective removing AP licenses on OV Cirrus will cause clear all configuration and then switch to Express mode. But when this happens in a mesh network, if root AP's license is removed first the AP will reboot and other child node APs will lose connection with OV Cirrus. Thus, in an OV Cirrus managed mesh network, the operation of AP license removal must start from non-root APs.

3. Roaming

The roaming time is optimized to around 50ms on None DFS channel which met requirement on voice communication, but when roaming to DFS channel it still takes around 100ms.

Technical Support

Alcatel-Lucent technical support is committed to resolving our customer's technical issues in a timely manner. Customers with inquiries should contact us at:

Region	Phone Number
North America	1-800-995-2696
Latin America	+1-877-919-9526
European Union	+800 00200100 (Toll Free) or +1(650)385-2193
Asia Pacific	+65 6240 8484

Email : ebg_global_supportcenter@alcatel-lucent.com

Internet: Customers with service agreements may open cases 24 hours a day via the support web page at: businessportal2.alcatel-lucent.com.

Upon opening a case, customers will receive a case number and may review, update, or escalate support cases on-line. Please specify the severity level of the issue per the definitions below. For fastest resolution, please have telnet or dial-in access, hardware configuration—module type and revision by slot, software revision, and configuration file available for each switch.

Severity 1 - Production network is down resulting in critical impact on business—no workaround available.

Severity 2 - Segment or Ring is down or intermittent loss of connectivity across network.
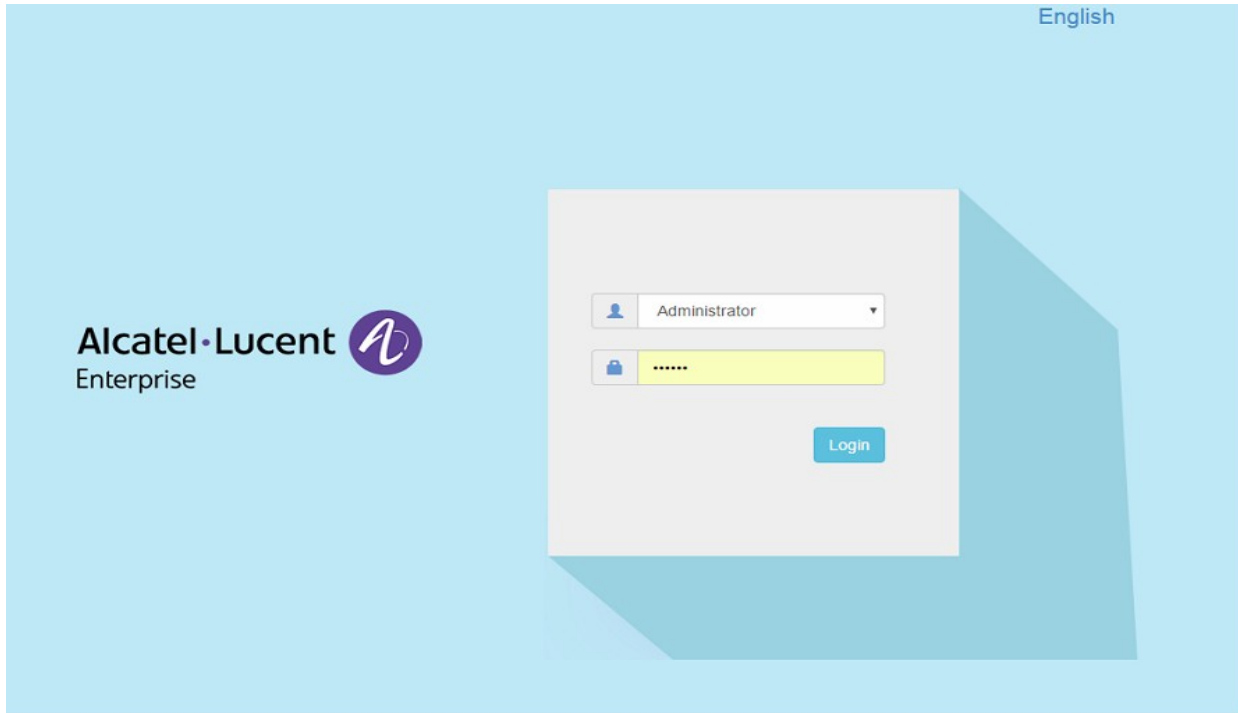
Severity 3 - Network performance is slow or impaired—no loss of connectivity or data.

Severity 4 Information or assistance on product feature, functionality, configuration, or installation.
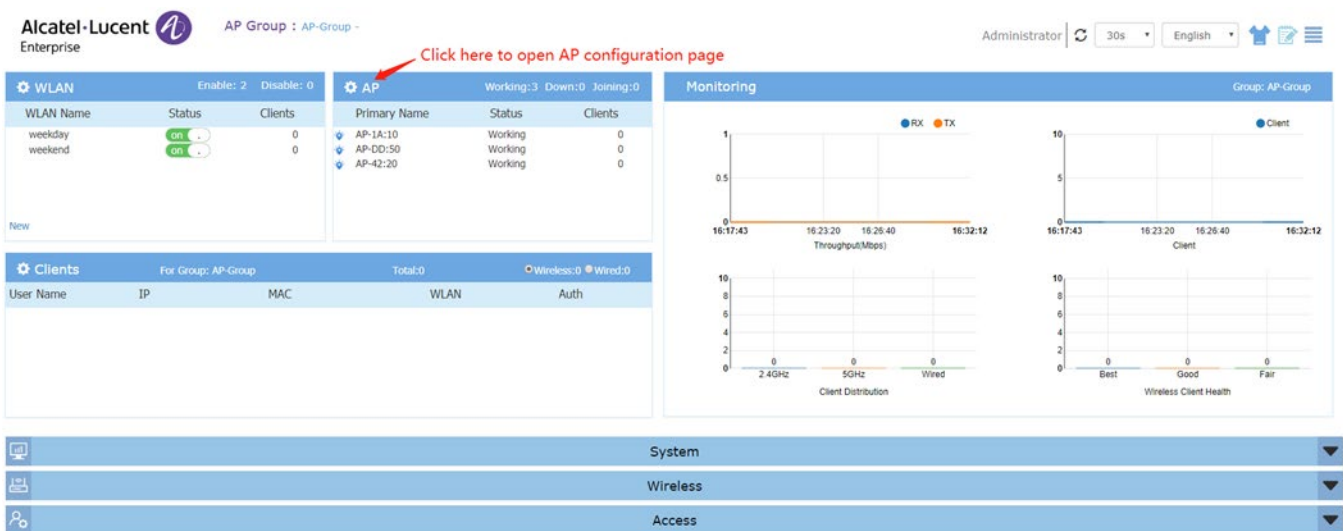
Appendix A: Software Upgrade Instructions in WiFi Express Mode

1. Login to AP using Administrator account with default password 'admin'.

2. Click on the AP tab to open the AP Configuration page.

3. On AP Configuration Page, click **Upgrade All Firmware.**

4. Select AP model and firmware file then click **Upload All**, this will upgrade the firmware and reboot the AP.

Example of using an **Image File**

Multi-model Upgrade				
Model	**Firmware**	**AP Quantity**		**Upgrade Firmware**
AP1250	3.0.5.23	1	Expand	Don't turn off the power during the upgrade process.
AP1101	3.0.5.6	1	Expand	○Image File ○Image File URL
AP1220	3.0.5.27	1	Expand	☑AP1101 1.Select corresponding AP model and upload right image
				Choose File No file chosen
				☑AP1220
				Choose File No file chosen
				☑AP1250 2.Then upload all here
				Choose File No file chosen
				Remove All Upload All

Example of using an **Image File URL**

Multi-model Upgrade				
Model	**Firmware**	**AP Quantity**		**Upgrade Firmware**
AP1250	3.0.3.24	1	Expand	Don't turn off the power during the upgrade process!
	3.0.3.24	1	Expand	○Image File ●Image File URL
AP1230	3.0.3.24	1	Expand	AP1230: [ ]
	The URL for AP upgrade firmware file, support TFTP/SFTP ⇨			AP1250: [ ]
				(TFTP://ip/file.bin)
				(SFTP://UserName:Password@ip/file.bin)
				Upload To All

Fill in the URL of the firmware file and then click **Upload To All**, this will upgrade the firmware and reboot the AP.