Release Notes – Maintenance

OmniAccess Stellar

AP1101, AP1221, AP1222, AP1231, AP1232, AP1251

AWOS Release 3.0.2.1065

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.

<u>Contents</u>

Fixed Problem Reports Between Builds 3.0.2.38 and 3.0.2.1065

PR	Description
ALEISSUE-109	**Summary:** When PVC role changes from one AP to another, there is no notification **Explanation:** Add logs when PVC role changed include performing the "update to PVC" action.
ALEISSUE-127	**Summary:** APs in 5Ghz band using same channel though Automatic channel configuration is enabled. **Explanation:** Optimization on DRM module, especially when Country Code changed.
ALEISSUE-134	**Summary:** 5 Ghz band not broadcasting **Explanation:** Fixed one possible trap in DRM, which may cause this.
ALEISSUE-138	**Summary:** Allow space in SSID name **Explanation:** Create/Edit strings beginning with space and end with space will be deleted when finish saving this configuration; If there is multiple spaces in the middle of the strings,the length of SSID will include the length of those multiple spaces.

Fixed Problem Reports Between Builds 3.0.0.63 and 3.0.2.38

PR	Description
ALEISSUE-133	**Summary:** Client is taking few minutes to connect to the network. it is a PSK SSID. **Explanation:** This issue was caused by the load balance algorithm. The algorithm is now been optimized to avoid getting into this situation.
ALEISSUE-130	**Summary:** Duplicate APs in the cluster **Explanation:** This issue was caused by the AP obtaining an incorrect mac address at the bootup. It is fixed in this release.
ALEISSUE-100	**Summary:** AP-1101 running in express mode does not accept the class-B IP address as Group Management IP **Explanation:** This was an AP GUI's problem and fixed in this release.
ALEISSUE-99	**Summary:** Band Steering doesn't work on Express Mode Release 3.0.0.57 **Explanation:** This issue was caused by the load balance algorithm. The algorithm is now been updated to felicitate correct band-steering.
ALEISSUE-95	**Summary:** Guest operator account security issues **Explanation:** The fix blocks from users from altering guest operator's privileges from browser inspector.
ALEISSUE-65	**Summary:** ÖÄÅ characters are not supported **Explanation:** These characters are now supported.

ALEISSUE-82	**Summary:** Config changes made are not updated when the OLD PVC comes up. **Explanation:** This is fixed by preventing an old PVC from overriding the config done with new PVC after it comes back up

Fixed Problem Reports Between Builds 61 and 63

PR	Description
ALEISSUE-105	**Summary:** Static channel assignment gets changed automatically **Explanation:** Channel assignment changes automatically even if the channel is set manually.
ALEISSUE-106	**Summary:** Roaming not working when both 2.4 GHz & 5 GHz radio configured with or without 802.11r **Explanation:** There were no synchronization messages sent to the new neighbor AP resulting in roaming failure

Fixed Problem Reports Between Builds 57 and 61

PR	Description
None	**Summary:** KRACK / WPA2 Key Reinstallation Vulnerabilities. **Explanation:** Flaws in WPA2 key management may allow an attacker to decrypt, replay, and forge some frames on a WPA2 encrypted network.
ALEISSUE-101	**Summary:** Apple AirPlay stopped working, after upgrades AP1101 to release 3.0.0.57 **Explanation:** Two clients on the same SSID and band were not able to communicate.
ALEISSUE-102	**Summary:** 5 GHz band not broadcasting **Explanation:** Initial setup with 2.4GHz and 5GHz is OK. Overnight 5 GHz band disappears and only see 2.4GHz band can be seen.
ALEISSUE-108	**Summary:** Performance issue in 2.4G band. **Explanation:** Wireless performance degrades over time, devices experience slow connection.

Open Problem Reports and Known Issues

PR	Description	Workaround
ALEISSUE-111	**Summary:** EIRP for AP1251 in 3.0.0.60 code is always 10 dBm.	This is a display issue only. It is planned for complete resolution in next release.
ALEISSUE-139	**Summary:** AP Throughput takes a dive	The network throughput not improved when background scanning disabled, It is planned for resolution in next release.
ALEISSUE-122	**Summary:** Handheld scanners on 2.4Ghz don't roam properly on AP1101 cluster.	This was planned to be solved in R3.0.3, and this has been solved in R3.0.3 build.
ALEISSUE-110	**Summary:** Client inactivity should be a configurable option	This was planned to be solved in R3.0.3, and this has been solved in R3.0.3 build.
ALEISSUE-128	**Summary:** L3 ACL does not work in the AP-1101 cluster.	This was planned to be solved in R3.0.3, and this has been solved in R3.0.3 build.
ALEISSUE-145	**Summary:** AP name is not consistent throughout the web gui.	This was planned to be solved in R3.0.3, and this has been solved in R3.0.3 build.
ALEISSUE-88	**Summary:** ACL for separate SSID	This was planned to be solved in R3.0.3, and this has been solved in R3.0.3 build.
ALEISSUE-158	**Summary:** RSSI Threshold deassociation should not cause a deletion of client-context	It is planned to be solved in R3.0.3.
ALEISSUE-160	**Summary:** Manually set channels need to be respected by ACS	There is no known workaround at this time.
ALEISSUE-164	**Summary:** The output of "iwlist ath01 txpower" is incorrect on AP1101	There is no known workaround at this time.

New Features Introduced – 3.0.2.40

There are no new features introduced in this release.

Release Guidelines – 3.0.2

1. The user needs to login onto the AP again when cluster ID has been changed.
2. Upgrading from 3.0.0.x to 3.0.2.x is supported. However, a 3.0.0.x backup configuration cannot be restored to an AP running 3.0.2.x.

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: support.esd.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.
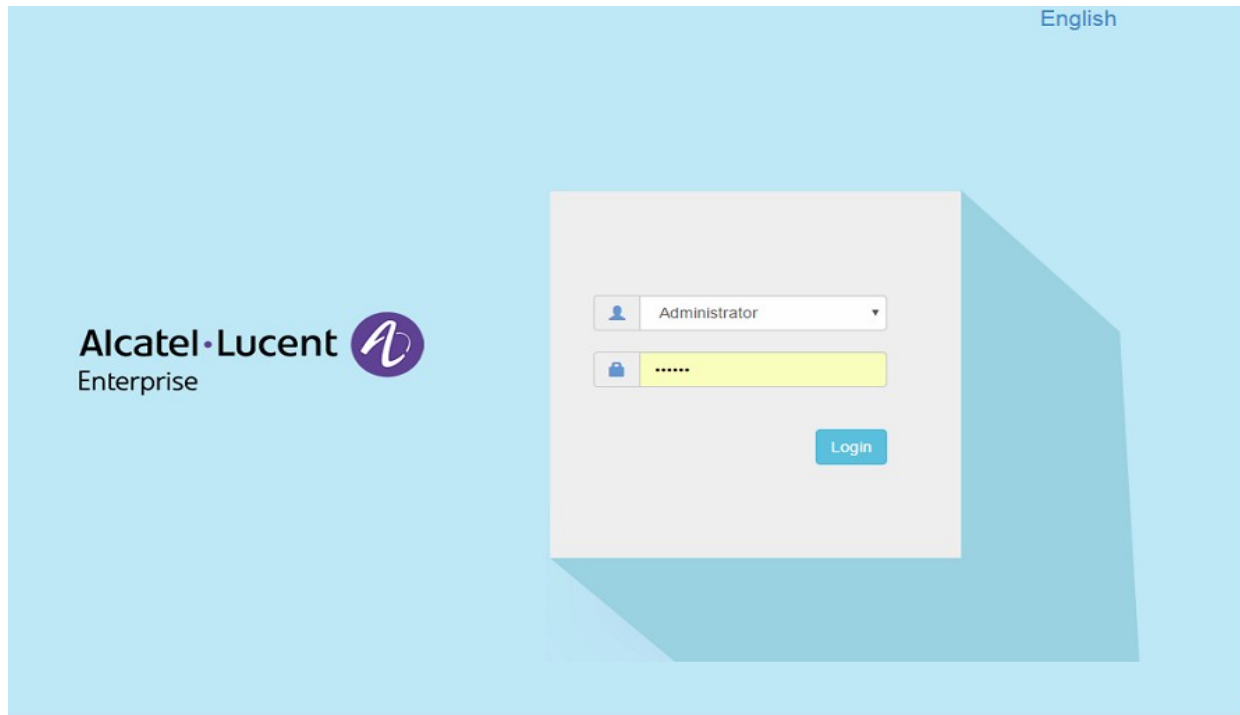
Severity 3 - Network performance is slow or impaired—no loss of connectivity or data.

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 up the AP Configuration page.

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

AP Configuration

Primary Name	IP	Firmware	Operate	
		PVC		
192.168.50.210	192.168.50.210(AP) 192.168.50.253(M)	3.0.2.34	cfg	reboot
		SVC		
192.168.50.219	192.168.50.219	3.0.2.34	cfg	reboot
		MEMBER		
192.168.50.205	192.168.50.205	3.0.2.34	cfg	reboot
192.168.50.217	192.168.50.217	3.0.2.34	cfg	reboot
192.168.50.202	192.168.50.202	3.0.2.34	cfg	reboot
192.168.50.218	192.168.50.218	3.0.2.34	cfg	reboot
192.168.50.214	192.168.50.214	3.0.2.34	cfg	reboot

Detailed Information

AP Name:	192.168.50.210 Edit
MAC:	34:E7:0B:03:C2:70
Location:	Edit
Status:	Working
Role in Group:	PVC
Serial Number:	SSZ170200040
Model:	OAW-AP1221
Firmware:	3.0.2.34
Upgrade Time:	Tue Jan 16 21:44:49 2018
Upgrade Flag:	Success
IP Mode:	dhcp Edit
IP:	192.168.50.210
Netmask:	255.255.255.0
Default Gateway:	192.168.50.254
DNS:	219.141.136.10

Click here to get firmware upgrade

[Clear All Configuration] [Backup All Configuration] [Restore All Configuration] [Upgrade All Firmware]

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

Multi-model Upgrade

Model	Firmware	AP Quantity	
AP1220	3.0.2.34	4	Expand
AP1230	3.0.2.34	1	Expand
AP1250	3.0.2.34	2	Expand
AP1101	3.0.2.34	13	Expand

Update Firmware

Don't turn off the power during the upgrade process!

◉ Image File   ○ Image File URL

☑ AP1101
[Choose File] No file chosen

☑ AP1220
[Choose File] No file chosen

☑ AP1230
[Choose File] No file chosen

☑ AP1250
[Choose File] No file chosen

Select right firmware file for different model of AP

Click here to upload all

[Remove All] [Upload All]