

Release Notes - Maintenance

OmniAccess Stellar

AP1101, AP1201, AP1221, AP1222, AP1231, AP1232,
AP1251, AP1201H, AP1201L, AP1201HL, AP1321,
AP1322, AP1361, AP1361D, AP1362

AWOS Release 4.0.0.3076

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.

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Fixed Problem Reports Between Build 2064(MR) and Build 3076 (MR)

PR	Description
ALEISSUE-619/ ALEISSUE-779 Case: 00492258	Summary: Any Policy List associated to any ARP is not working on the 4.0.0.x. Explanation: Fixed a policy process crashed issue. Click for additional information
ALEISSUE-602/ ALEISSUE-612/ ALEISSUE-622/ ALEISSUE-642/ ALEISSUE-646/ ALEISSUE-663/ ALEISSUE-675/ ALEISSUE-697/ ALEISSUE-703/ ALEISSUE-704/ ALEISSUE-705/ ALEISSUE-710/ ALEISSUE-725/ ALEISSUE-753/ ALEISSUE-764 Case: 00449182	Summary: AP reboot issue on AP122x. Explanation: Some optimization for DRM/DCM/BG-S modules to avoid AP reboot. Click for additional information
ALEISSUE-695 Case: 00473029	Summary: Unable to Send Syslog message from Stellar RAP to Enterprise network server. Explanation: New requirement, support syslog message send to the server via tunnel. Click for additional information
ALEISSUE-701 Case: N/A	Summary: 11ax - Max EIRP for country code Colombia is limited to 16dBm Explanation: Update the Tx-Power table to follow the regulatory requirements of Colombia.
ALEISSUE-711 Case: 00476767	Summary: AP 1231 rebooted with kernel panic Explanation: Disable the unnecessary module nss in kernel to avoid AP reboot by this module. Click for additional information
ALEISSUE-714/	Summary: 2 clients in same VLAN on same AP cannot reach each other - SR#00485245

<p>ALEISSUE-763 Case: 00476727</p>	<p>Explanation: Cancel the limited if WLAN bind with guest tunnel to allow client reach each other</p> <p>Click for additional information</p>
<p>ALEISSUE-715 Case: 00477828</p>	<p>Summary: Enhance sta_list output to clearly indicate if user is authenticated over WPA2 or WPA3.</p> <p>Explanation: Optimization the sta_list output information to clearly indicate the user's authentication type.</p> <p>Click for additional information</p>
<p>ALEISSUE-719 Case: 00478357</p>	<p>Summary: Supported rates in beacon is not working as per the configuration.</p> <p>Explanation: Fixed the bug that minimum MGMT rate can't work on 11ax AP.</p> <p>Click for additional information</p>
<p>ALEISSUE-730 Case: 00485055</p>	<p>Summary: Certificate is not sent during call home with certificate.</p> <p>Explanation: Fixed a bug the AP using error "workMode" to start call home.</p> <p>Click for additional information</p>
<p>ALEISSUE-737 Case: 00480927</p>	<p>Summary: Unable to set 40/80/160 MHz channel width in 5 GHz band when the country code set to ID.</p> <p>Explanation: Update the channel table to follow the regulatory requirements of Indonesia.</p> <p>Click for additional information</p>
<p>ALEISSUE-746 Case: 00491853</p>	<p>Summary: Client health is displayed incorrect in the monitoring window.</p> <p>Explanation: Fixed the bug that the hanlet calculate the client RSSI to an error value cause some error display on hanlet.</p> <p>Click for additional information</p>
<p>ALEISSUE-747 Case: 00483303</p>	<p>Summary: RSSI for the client is not displayed in the monitoring tab.</p> <p>Explanation: Fixed the bug that the hanlet calculate the client RSSI to an error value cause some error display on hanlet.</p> <p>Click for additional information</p>
<p>ALEISSUE-751/ ALEISSUE-766 Case: 00483674</p>	<p>Summary: Lower data volumes noticed in the Stellar AP when compare to other vendor</p> <p>Explanation: Optimization the report rate after enable the "report unassociate client" feature.</p> <p>Click for additional information</p>
<p>ALEISSUE-758</p>	<p>Summary: PSK password getting changed after some 20 Hours.</p>

Case: 00484190	<p>Explanation: Update the Third party library libjson-c to support handle string with slash ('/').</p> <p>Click for additional information</p>
ALEISSUE-765 Case: 00466644	<p>Summary: U-NII-2C channels (100-144) not working in 30 dBm for Singapore country code.</p> <p>Explanation: Update the Tx-Power table to follow the regulatory requirements of Singapore.</p> <p>Click for additional information</p>
ALEISSUE-771 Case: 00488021	<p>Summary: AP name and model number are not seen during the PVM takeover.</p> <p>Explanation: If customer switch PVM pop a dialog to ask customer to login out.</p> <p>Click for additional information</p>
ALEISSUE-774 Case: 00489662	<p>Summary: Channel 144 missing in OV for Singapore Country code.</p> <p>Explanation: Update the channel table to follow the regulatory requirements of singapore.</p> <p>Click for additional information</p>
ALEISSUE-776 Case: 00489840	<p>Summary: DRM not working properly.</p> <p>Explanation: The channel list in DRM can't match with wireless driver when country code of AP is working on Singapore, update the DRM channel list</p> <p>Click for additional information</p>
ALEISSUE-780 Case: N/A	<p>Summary: AP is taking more than 30 min to come up in OVC</p> <p>Explanation:</p> <p>Change the timeout period for call home:</p> <p>After AP boots up, timeout for the first call home is 60s regardless of the mode</p> <p>The second and subsequent call home timeouts are 300s.</p> <p>Click for additional information</p>
ALEISSUE-782 Case: 00490800	<p>Summary: Many AP1321 are listed with same default IP 192.168.1.254 in OVCIRRUS.</p> <p>Explanation: ap_manage get AP IP address stuck and timeout, change ap_manage, when it get ipaddr stuck and timeout, don't use the cached ip, just get it from br-wan.</p> <p>Click for additional information</p>
ALEISSUE-783 Case: 00482500	<p>Summary: Clients getting randomly disconnected *Critical*.</p> <p>Explanation: Fixed a WAM module stuck issue, it will cause client can't connect to the AP.</p> <p>Click for additional information</p>

<p>ALEISSUE-784</p> <p>Case: 00490802</p>	<p>Summary: sta_list commands fail on AP1231.</p> <p>Explanation: Fixed a WAM module stuck issue, it will cause sta_list command can't work.</p> <p>Click for additional information</p>
<p>ALEISSUE-787</p> <p>Case: 00491212</p>	<p>Summary: Need to remove unwanted warning message about user VLAN invalid.</p> <p>Explanation: Remove some unnecessary logs for VLAN.</p> <p>Click for additional information</p>
<p>ALEISSUE-790</p> <p>Case: 00491211</p>	<p>Summary: MQTT disconnect between AP and OV.</p> <p>Explanation:</p> <p>Root cause: The wmaagent stuck when getting the lldp information</p> <p>Fix solution: Get the lldp information in a new thread and cache it, wmaagent get lldp information from the cache.</p> <p>Click for additional information</p>
<p>ALEISSUE-791</p> <p>Case: N/A</p>	<p>Summary: Injection attack.</p> <p>Explanation: Fixed a vulnerability in ap_manage module.</p>
<p>ALEISSUE-793</p> <p>Case: 00492258</p>	<p>Summary: Randomly ACL are no longer working connected users lost connection to services.</p> <p>Explanation: Fixed a policy process crashed issue.</p> <p>Click for additional information</p>
<p>ALEISSUE-802</p> <p>Case: 00494478</p>	<p>Summary: Users unable to get the captive portal page for the specific AP, no issue noticed with other AP's.</p> <p>Explanation: The dnssd process crashed, add a monitor in core-mon if issue happened the core-mon will restart it.</p> <p>Click for additional information</p>
<p>ALEISSUE-811</p>	<p>Summary: AP1321 ACL not blocking traffic.</p> <p>Explanation: Fixed a bug the policy can't work on 11ax device.</p> <p>Click for additional information</p>

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
iPhone11 connection issue	Summer: If the iPhone11 connect to the WLAN(WPA3-Enterprise with CNSA) than can't connect to the WLAN working on WPA2 Personal/Enterprise(PMF is "Required")	Reboot the iPhone
Reboot by Target Assert	Summer: The AP reboot by WIFI chipset bug.	None
Performance	Summer: The TCP and UDP performance low than the standard	Optimization on 4.0.1
Multicast to Unicast	Summer: The Multicast to Unicast feature not support in current build(11ax)	Support on 4.0.1
802.11p mapping	Summer: The 802.11p mapping feature not support in current build(11ax)	Support on 4.0.1
ALEISSUE-606	Summer: APs 1221 3.0.7.26 backtrace and crash caused by out of memory	None
DPI	if PMD is enable when DPI process crashed will generate a big PMD log file in /tmp it will cause AP reboot by memory out	Disable the PMD feature
AP Upgrade	If DPI is enabled, in some situation, it may take much memory and AP have no enough memory to upgrade and causing upgrade failed	Disable DPI function before upgrading and enable it after upgrading
ALEISSUE-810	AP reboot randomly with policy exception which caused by Null pointer with voice & video awareness enabled	Disable voice & video awareness function
ARC-1269	25% CPU utilization taken by DPI in some situation causing alaSwitchDown traps	Disable DPI function

New Features Introduced - 4.0.0.3076

N/A.

Limitations and/or dependencies

N/A.

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.

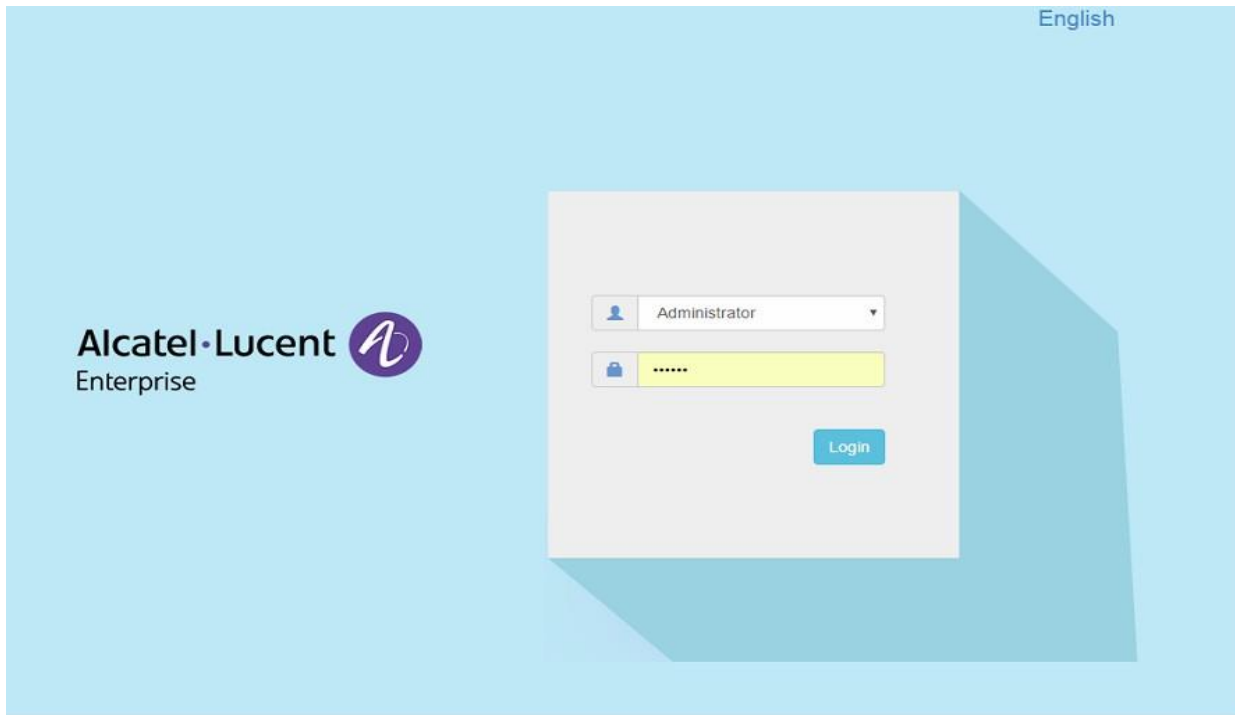
Severity 3 - Network performance is slow or impaired—no loss of connectivity or data.

Severity 4 Information or assistance on product feature, functionality, configuration, or installation.

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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.

WLAN Name	Status	Clients
weekday	on	0
weekend	on	0

Primary Name	Status	Clients
AP-1A:10	Working	0
AP-DD:50	Working	0
AP-42:20	Working	0

User Name	IP	MAC	WLAN	Auth
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3. On AP Configuration Page, click **Upgrade All Firmware**.

AP Configuration

Primary Name	IP	Firmware	Operate
PVC			
AP-1A:10	192.168.20.119(AP) (M)	3.0.5.23	
SVC			
AP-42:20	192.168.20.111	3.0.5.27	
MEMBER			
AP-DD:50	192.168.20.128	3.0.5.6	
Joining			
Pending			
Neighboring Group			
AP-32:30	192.168.20.237	3.0.4.2052	
AP-33:30	192.168.20.152	3.0.4.15	

Detailed Information

AP Name: AP-1A:10 [Edit](#)
MAC: 34:E7:0B:00:1A:10
Location: [Edit](#)
Status: Working
Role in Group: PVC
Serial Number: WKS163300071
Model: OAW-AP1251
Firmware: 3.0.5.23
Upgrade Time: Sat Nov 24 08:25:27 2018
Upgrade Flag: successfully

IP Mode: DHCP [Edit](#)
IP: 192.168.20.119
Netmask: 255.255.254.0
Default gateway: 192.168.21.254
DNS: 219.141.136.10

AP Mode: Express [Edit](#)

Click here to upgrade

Reboot All APClear All ConfigurationBackup All ConfigurationRestore All ConfigurationUpgrade All FirmwareConnect To CloudConvert To Enterprise

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	
AP1250	3.0.5.23	1	Expand
AP1101	3.0.5.6	1	Expand
AP1220	3.0.5.27	1	Expand

Upgrade Firmware

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

Image File Image File URL

AP1101 1. Select corresponding AP model and upload right image
 No file chosen

AP1220
 No file chosen

AP1250
 No file chosen


2. Then upload all here

Remove AllUpload All

Example of using an Image File URL

Multi-model Upgrade

Model	Firmware	AP Quantity	
AP1250	3.0.3.24	1	Expand
	3.0.3.24	1	Expand
AP1230	3.0.3.24	1	Expand

The URL for AP upgrade firmware file, support TFTP/SFTP 

Upgrade Firmware

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

Image File Image File URL

AP1230:

AP1250:

(TFTP://ip/file.bin)

(SFTP://UserName:Password@ip/file.bin)

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