

# Release Notes - Maintenance

OmniSwitch 6360, 6465, 6560(E), 6570M, 6860(E),  
6860N, 6865, 6900-V72/C32/C32E/X48C6/  
T48C6/X48C4E/V48C8/T24C2/X24C2, 9900

Release 8.10.115.R01

The following is a list of issues that have been identified and corrected in this AOS software release along with any new features that have been introduced. 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 and should be read prior to performing a maintenance release upgrade.

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**Fixed Problem Reports Between Builds 102 (GA) and 115 (MR)**

CR	Description
<p><b>Case:</b> 00736042 CRAOS8X-44063</p>	<p><b>Summary:</b> OS6360 -P10: Switches stuck in Marvel mode during bootup.</p> <p><b>Explanation:</b> OS6360- P10 switches, out of box gets stuck in Marvel mode during bootup. The issue could be seen upon power cycling the switches too.</p> <p> <a href="#">Click for Additional Information</a></p> <p><b>Note:</b> See <a href="#">U-boot Upgrade Information</a>.</p>
<p><b>Case:</b> 00744090 CRAOS8X-44607</p>	<p><b>Summary:</b> OS6560-P48Z16 switch stuck in Marvel mode after the power cycle.</p> <p><b>Explanation:</b> When a switch experiences power loss and powers up, the bootup would stop at boot prompt, also called stuck at MARVEL prompt.</p> <p> <a href="#">Click for Additional Information</a></p> <p><b>Note:</b> See <a href="#">U-boot Upgrade Information</a>.</p>
<p><b>Case:</b> 00753035 CRAOS8X-45702</p>	<p><b>Summary:</b> The GTTS tunnel is not formed after reboot when the default route is present to reach the far-end IP.</p> <p><b>Explanation:</b> The issue is seen only when the default route or the less specific routes are used. To reach the far-end IP during the reboot. A workaround is to configure /32 route to the gateway.</p> <p> <a href="#">Click for Additional Information</a></p>
<p><b>Case:</b> 00751891 CRAOS8X-45840</p>	<p><b>Summary:</b> Link does not come up when copper SFP-1G-T is connected in 6560-P24Z8 ports 1/1/25-26.</p> <p><b>Explanation:</b> When a 1-GIG-T copper SFP (single speed) is plugged in (interface 26) without establishing the link it gives an invalid interrupt due to valid link status change from the other interface (interface 25) is not processed. However, when interface 26 is up with link, interface 25 link connection also works fine.</p> <p> <a href="#">Click for Additional Information</a></p>
<p><b>Case:</b> 00754484 CRAOS8X-46173</p>	<p><b>Summary:</b> UNP user device entry is not removed from UNP table and MAC-learning table though user is disconnected from IP phone.</p> <p><b>Explanation:</b> Fix is provided to clear the MAC-table and UNP table after MAC-aging time (twice the MAC-aging default time) once the user device is disconnected from</p>

	<p>IP phone on UNP port.</p> <p> <a href="#">Click for Additional Information</a></p>
<p><b>Case:</b> <b>00754257</b> CRAOS8X-46275</p>	<p><b>Summary:</b> OS6560-P48Z16 switch stuck in Marvel mode after the power cycle.</p> <p><b>Explanation:</b> When a switch experiences power loss and powers up, the bootup would stop at boot prompt and is stuck at MARVEL prompt.</p> <p> <a href="#">Click for Additional Information</a></p> <p><b>Note:</b> See <a href="#">U-boot Upgrade Information</a>.</p>
<p><b>Case:</b> <b>00764012</b> CRAOS8X-46749</p>	<p><b>Summary:</b> Port range is allowed when creating SAP ports but not allowed when assigning a given service to SAP ports.</p> <p><b>Explanation:</b> A fix has been applied to allow for using a port range when assigning a service to a range of contiguous ports.</p> <p> <a href="#">Click for Additional Information</a></p>
<p><b>Case:</b> <b>00764519</b> CRAOS8X-46768</p>	<p><b>Summary:</b> The precedence values in IPv6 QoS is not adhered to.</p> <p><b>Explanation:</b> IPv6 QoS policy rules were not getting applied according to their precedence. Higher priority rules were getting ignored.</p> <p> <a href="#">Click for Additional Information</a></p>
<p><b>Case:</b> <b>00764512</b> CRAOS8X-47179</p>	<p><b>Summary:</b> Configured the SPB domain with inline routing in the VC of the 6x6900 switches (C32 and V48) and applied QoS policies to drop packets destined for the switch IP; however, they were not dropped.</p> <p><b>Explanation:</b> A fix has been applied to AOS 8.10.109.R01, to drop the traffic in specific scenarios where the packets destined for the switch via SAP, are trapped to the CPU, QoS classification will be done from the software. It will be dropped as per the QoS config.</p> <p> <a href="#">Click for Additional Information</a></p>
<p><b>Case:</b> <b>00767420</b> CRAOS8X-47184</p>	<p><b>Summary:</b> OS6900 reboots with the PMD after configuring the eVPN and enabling BGP in AOS 8.10.102.R01.</p> <p><b>Explanation:</b> After processing RT-3 routes the local database is checked for the received routes. Since the local database is empty initially, null parameters are defined in the swlog file. Swlog crashed due to referencing the null</p>

	parameters. <a href="#">🔒 Click for Additional Information</a>
<b>Case:</b> <b>00770526</b> <b>CRAOS8X-47494</b>	<b>Summary:</b> The AOS switch provisioning via OVE/OVC fails on AOS 8.10 R01 GA. <b>Explanation:</b> During the auto-configuration process, when the switch receives the DHCP-ACK, SSH should be enabled. However, in AOS 8.10.102 R01 GA, the SSH stays disabled which prevents SSH login—not just for SSH clients but also for the OV2500 provisioning feature. <a href="#">🔒 Click for Additional Information</a>

### Open Problem Reports and Known Issues

There are no known issues introduced in this release.

### New Features/Enhancements Introduced in 8.10.115.R01

There are no new features introduced in this release.

**ISSU Supported Upgrade Paths**

Platform	AOS Releases Supporting ISSU to 8.10.115.R01
OS6360	8.10.102.R01 8.9.94.R04 8.9.221.R03 8.9.107.R02 8.9.73.R01
OS6465	8.10.102.R01 8.9.94.R04 8.9.221.R03 8.9.107.R02 8.9.73.R01
OS6560	8.10.102.R01 8.9.94.R04 8.9.221.R03 8.9.107.R02 8.9.73.R01
OS6570M	8.10.102.R01 8.9.94.R04 8.9.221.R03 8.9.107.R02 8.9.63.R02
OS6860(E)	8.10.102.R01 8.9.94.R04 8.9.92.R04 8.9.221.R03 8.9.107.R02 8.9.73.R01
OS6860N	8.10.102.R01 8.9.94.R04 8.9.92.R04 8.9.221.R03 8.9.107.R02 8.9.73.R01
OS6865	8.10.102.R01 8.9.94.R04 8.9.92.R04 8.9.221.R03 8.9.107.R02 8.9.73.R01
OS6900-V72/C32/C32E/X48C6/ T48C6/V48C8/X24C2/T24C2	8.10.102.R01 8.9.94.R04 8.9.92.R04 8.9.221.R03 8.9.107.R02 8.9.78.R01
OS6900-X48C4E	8.10.102.R01 8.9.94.R04 8.9.92.R04
OS9900 (OS9907)	8.10.102.R01 8.9.94.R04 8.9.221.R03
<ul style="list-style-type: none"> <li>ISSU from 8.9.92.R04 is not supported on platforms: OS6560, OS6465, OS6570M, OS9900, OS6360 (due to SSH issue on build 8.9.92.R04)</li> </ul>	

## U-boot Upgrade Information

To both prevent and recover from the issues listed below both AOS and U-boot are required to be upgraded. The table below lists the applicable platforms and issues that are addressed with both an AOS and U-boot upgrade.

- Other fixed problem reports in this maintenance release do not require a U-boot upgrade.
- AOS contains preventive fixes to help avoid the issues listed below.
- U-boot contains fixes to handle the recovery from the issues listed below.
- A U-boot upgrade is supported from OmniVista 2500 Network Management System.
- A U-boot upgrade is not supported from OmniVista Cirrus.

	U-boot Version	File Name	CR
OS6360	8.10.115.R01	u-boot.8.10.R01.115.tar.gz	CRAOS8X-44607 CRAOS8X-46275 CRAOS8X-44063
OS6465	8.10.115.R01	u-boot.8.10.R01.115.tar.gz	CRAOS8X-44607 CRAOS8X-46275 CRAOS8X-44063
OS6560-24Z8/P24Z8(E)/24Z24/P24Z24/P48Z16(E)	8.10.115.R01	u-boot.8.10.R01.115.tar.gz	CRAOS8X-44607 CRAOS8X-46275
OS6560-24X4/P24X4/48X4/P48X4/X10	8.10.115.R01	u-boot.8.10.R01.115.tar.gz	CRAOS8X-44607 CRAOS8X-44063
OS6570M	8.10.115.R01	u-boot.8.10.R01.115.tar.gz	CRAOS8X-44607 CRAOS8X-46275
OS6860(E)	8.10.115.R01	u-boot.8.10.R01.115.tar.gz	CRAOS8X-44607 CRAOS8X-46275
OS6865	8.10.115.R01	u-boot.8.10.R01.115.tar.gz	CRAOS8X-44607 CRAOS8X-46275

### U-boot Version / Fixed Issues

## U-boot Upgrade Overview

Both AOS and U-boot can be upgraded with a single reboot following the steps below.

- Copy the AOS images and U-boot file to the switch.
- Upgrade U-boot.
- Reload the switch so both AOS and U-boot are upgraded with a single reboot.

**Technical Support**

ALE technical support is committed to resolving our customer’s technical issues in a timely manner. Customers with inquiries should contact us at:

Country	Supported Language	Toll Free Number
France, Belgium, Luxembourg	French	+800-00200100
Germany, Austria, Switzerland	German	
United Kingdom, Italy, Australia, Denmark, Ireland, Netherlands, South Africa, Norway, Poland, Sweden, Czech Republic, Estonia, Finland, Greece, Slovakia, Portugal	English	
Spain	Spanish	
India	English	+1 800 102 3277
Singapore	English	+65 6812 1700
Hong-Kong	English	+852 2104 8999
South Korea	English	+822 519 9170
Australia	English	+61 2 83 06 51 51
USA	English	+1 800 995 2696
Your questions answered in English, French, German or Spanish.	English French German Spanish	+1 650 385 2193 +1 650 385 2196 +1 650 385 2197 +1 650 385 2198
<b>Fax:</b> +33(0)3 69 20 85 85 <b>Email:</b> <a href="mailto:ale.welcomecenter@al-enterprise.com">ale.welcomecenter@al-enterprise.com</a> <b>Web :</b> <a href="http://myportal.al-enterprise.com">myportal.al-enterprise.com</a>		

**Internet:** Customers with service agreements may open cases 24 hours a day via the support web page. 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 hardware configuration, module types and version by slot, software version, 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.