

# Release Notes - Maintenance

## OmniSwitch 6900-X20/X40/T20/T40/X72/Q32

### Release 8.9.112.R04

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 94 (GA) and 112 (MR)**

CR	Description
<b>Case:</b> <b>00731230</b> CRAOS8X-43507 CRAOS8X-46578	<b>Summary:</b> OS6900-X72 switch's BGP task crashes and the switch reboots when the switch is in Router Mode and a high number of BGP routes are present.  <b>Explanation:</b> PMD files from the BGP service show a segmentation fault. While processing next hop sync messages, it is possible for the next hop entry to become NULL causing the BGP task to crash and causing the reboot.  <a href="#">🔒 Click for Additional Information</a>
<b>Case:</b> <b>00735340</b> CRAOS8X-43913	<b>Summary:</b> 6900-X72 in router mode unable to route traffic to some destinations using the default gateway route  <b>Explanation:</b> An OS 6900-X72 in Router Mode receives a 0.0.0.0/0 route via OSPF but is unable to send traffic to 128.0.0.0/1 unless a more specific route is present.  At the software level we see the default route from OSPF is learned, but at the hardware level it is not being installed. Note that this issue does not occur when the switch is in Switch Mode. This does not affect the OS 6900-V72.  <a href="#">🔒 Click for Additional Information</a>
<b>Case:</b> <b>00750068</b> CRAOS8X-45604	<b>Summary:</b> The OS6900 core switch stuck in the boot loop during the upgrade from 8.7.354.R01 to 8.9.94.R04.  <b>Explanation:</b> The root cause of the issue is due to the configuration of "debug ip bgp adv-loopback0 enable".  <a href="#">🔒 Click for Additional Information</a>
<b>Case:</b> <b>00753166</b> CRAOS8X-45715	<b>Summary:</b> The OS6900 switch rebooted due to BGP task and generated PMD file.  <b>Explanation:</b> There were continuous neighborship state change due to the link flap. After that, a BGP crash was seen. This is due to the peer's name attribute being NULL which led to the crash.  <a href="#">🔒 Click for Additional Information</a>
<b>Case:</b> <b>00764003</b> CRAOS8X-46729	<b>Summary:</b> CVE-2024-6387: A security regression (CVE-2006-5051) was discovered in OpenSSH's server (sshd). There is a race condition which can lead sshd to handle some signals in an unsafe manner. An unauthenticated, remote attacker may be able to

	<p>trigger it by failing to authenticate within a set time period.</p> <p><b>Explanation:</b> A workaround is provided in AOS 8.9.R04 MR for OS6900 switches.</p> <p> <a href="#">Click for Additional Information</a></p>
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**Open Problem Reports and Known Issues**

There are no known issues introduced in this release.

**New Features/Enhancements Introduced in 8.9.112.R04**

There are no new features introduced in this release.

**ISSU Supported Upgrade Paths**

The following releases support upgrading using ISSU. All other releases support a Standard upgrade only.

Platform	AOS Releases Supporting ISSU to 8.9.112.R04
OS6900- X20/X40/T20/T40/Q32/X72	8.9.94.R04 8.9.92.R04 8.9.221.R03 8.9.107.R02 8.9.78.R01 8.8.56.R02 8.8.152.R01

## 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.