Omni Switch 6450 / 6350

Release 6.7.2.160.R08

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

Important Notice: For a copy of software release not posted on the Web or if you have any question or concern, please contact Alcatel's Technical Support Department.

Alcatel·Lucent
Enterprise

Problems Fixed Between 672.123.R08 to 672.160.R08

PR Reference	Build	Summary	Explanation
CRAOS6X-3606	672.125.R08	Problem with Radius connection when using MD5 authentication	Issue observed is that "aaa test-radius-server" command with md5 method fails and server does not send any response. Request is getting timed out. From server logs, it is seen that server is not responding since it has received a malformed packet i.e. Access-Request not in proper format where the 'state' attribute length is modified to 6 but actual length sent by server is 38
CRAOS6X-3614	672.125.R08	Unable to delete "lacp agg <port num> actor system id" if set once via CLI	When resetting actor system id for a lacp port to default using no command, it is being assigned to all zeroes (00:00:00:00:00:00) and is being displayed in configuration snapshot. Customer wants to reset to chassis mac address since it is being assigned with chassis mac by default when not configured explicitly.
CRAOS6X-3583	672.127.R08	802.1x users are failing to authenticate and crash.PMD file on many switches.	This issue was noted during an instability in network. Crash analysis points to malloc failure in Onex leading to null pointer access This null pointer handling issue was fixed with code changes.
CRAOS6X-3759	672.129.R08	OS6450 802.1x EAP-TLS fragments issue for a specific end-point (Alcatel-S series phone).	Issue was noted when the EAP fragment length was a specific value. At this time a field value used in AAA was getting corrupted. This issue was addressed via code-fix.
CRAOS6X-3686	672.156.R08	OS6450 - Write memory flash-synchro command throws an error "FLASH SYNCHRO Aborted. Due to previous errors in flash-synchro/file"	The issue arises when NMS is trying to apply some changes and executes write memory and at the same time write memory flash-synchro is tried via CLI. Parallel execution of write mem and write mem flash-sync from NMS and switch CLI is causes the issue. This is fixed to allow only one instance of write-memory flash syncro execution.
CRAOS6X-3690	672.156.R08	OS6450 lost 802.1x config after AP provisioning via NFM-P and after restore discrepancy of config between running config and boot.cfg	Root cause and fix is same as above i.e. CRAOS6X-3686.
CRAOS6X-3782	672.139.R08	OS6350-10 aborts autoconfiguration	Changes done to avoid auto-configuration termination after pre-configured number of retries.

CRAOS6X-3807	672.130.R08	Issue when using ALCATEL SFP DUAL RATE 100 / 1000 not allowing to change the speed to 100M	Oplink ALCATEL DUAL RATE SFP was not allowing to change the speed to 100M from 1000M, as the part number was SFP was present/supported in switch database. Same is added now.
CRAOS6X-3552	672.134.R08	OS6350 "does not assign IP address to IP Phone Avaya 1608 by DHCP"	Mentioned Avaya phone was sending a DHCP packet with a packet size larger than what was allowed in the switch. Changes done to accept such bigger DHCP-Discover packets upto 1500 bytes.
CRAOS6X-3853	672.130.R08	OS6450: LLDP packets sent by switch has MAC address value in Port ID field	Debug variable is introduced in AlcatelDebug.cfg file which when set and upon reload would modify the PORT ID TLV to carry the ifindex of the port (instead of mac-address), even if end device is a MED. Also the SNMP response of lldpLocChassisId MIB will not have ":" delimiter in chassis mac.
CRAOS6X-3811	672.139.R08	OS6450: NTP vulnerability & version	Code changes done to handle applicable NTP Vulnerability CVE-2015-7853.
CRAOS6X-3835	672.139.R08	Trap generated for DuplicateSlotNiNumber has wrong index value	Code changes done to pass correct slot number for the duplicate slot trap condition in stack.
CRAOS6X-3831	672.135.R08	00538734:OS6450 Stack Issue:OS6450:SOFTWARE AG - Darmstadt	Issue is seen specifically when access point is classified as AP and then sends tagged packet with its own MAC. When this mac ages out, switch was not releasing the buffer as needed causing buffer depletion over a period of time. This is fixed by code changes.
CRAOS6X-3857	672.139.R08	OS6350 switch config unsaved in OV2500 due to file "copy of boot.cfg"	To support a OV backup function which involves creation of copy_of_boot config, the mentioned file is restricted from the scope of calculating running checksum for certify process.
CRAOS6X-3890	672.139.R08	Atrium#00544272 // CMI: OS6450: issues with MVRP	Added the changes to send message to Spanning Tree manager on the CMM during the removal of dynamic VPA.
CRAOS6X-3496	672.139.R08	EURIAL POITOURAINE Nante :: Packet loss - OS6350 UNCOMPETE ARP entries filling the HW table.	Changes done to handle incomplete arp entries in switch IPNI ARP table.
CRAOS6X-3748	672.139.R08	Atrium#00509637 // Tcoag Deutschland GmbH :: DHCP packets are not forwarded to the uplinks- OS6450-48L	Changes done to process DHCP first frame for mac-learning and forwarding on mobile port
CRAOS6X-3727	672.139.R08	OS6350 : Loss of some 802.1x config and noticing wrong auth failures	Same as above i.e. fix for CRAOS6X-3748 applies to this PR.

CRAOS6X-3933	672.139.R08	Port 9 is not coming up in latest build but working fine with same SFP in 6.7.2.R05.113.	Code changes done for 6350-P10 hybrid-fiber port auto-negotiation failure after a cold boot process and link does not come up automatically
CRAOS6X-3871	672.142.R08	Xframe Options Needed in Http Webview Headers	Introduced new response header in switch's web server to support X-Frame-Options to address & prevent clickjacking attacks.
CRAOS6X-3875	672.141.R08	[Omnivista] [Customer Issue] The Req Id Trap number is not generated continuously.	Code changes to fix the issue noted in organizing trap replay sequence numbers.
CRAOS6X-3912	672.154.R08	Atrium#00546652 // Cloud-agent error messages	Code changes done to fix unnecessary error message by verifying that OpenVPN task exists before terminating it.
CRAOS6X-4012	672.146.R08	OpenSSL CVE-2021-3711 and CVE-2021-3712 for 6450	Changes done to handle the vulnerability CVE-2021-3712
CRAOS6X-4000	672.154.R08	Atrium#00567901 // CSU Chancellors Office: OS6450: Primary Switch of 8 individual stacks crashed and reloaded with the task "sshd_ct0".	Defensive fix to avoid crash in SSH task
CRAOS6X-3900	672.150.R08	[Omnivista] Device 6x need response vlanType in vlanTable as device 8x.	Changes done to introduce new OID for this vlanType in vlanTable.
CRAOS6X-4017	672.160.R08	AOS should support "Secure" AP-Mode	Supported via AP Secure mode change. New secure AP mode introduced which mandates supplicant authentication for AP for AP-mode to kick in.
CRAOS6X-4048 (CRAOS6X-4039)	672.154.R08	OS6860 ERP connection issue with OS6450	ARP entries were getting flushed in the issue scenario which led to ping loss and the same was address via code fix.
CRAOS6X-4037 (CRAOS6X-4042)	672.151.R08	TELEFONICA DE ESPANA: OS6350 DSCP rewriting issue	Required checks on QoS source port group & port group mapping index are added to address the issue seen during a specific QoS config.
CRAOS6X-4015	672.154.R08	OS6450: wrong speed 1000Mb/s displayed for SFP-GIG-T instead of 100Mb/s	The detected speed details were not updated properly and the same was fixed.
CRAOS6X-4056	672.153.R08	CRAOS6X-4056: OS6350 and OS6450 Unable to use special character in key of AAA Radius-server	Changes done to support "!" in AAA server key while still restricting it for "salt" and "hash-salt" parameters.
CRAOS6X-4027	672.154.R08	OIDs For New Aruba Products	Added the new OIDs for Aruba products
CRAOS6X-4065	672.155.R08	[Related] : [OmniVista] ovCloudAgentDeviceState OID missing two values - pkiUpdate, Troubleshooting	Code changes are done to update the required MIB with two more OIDs to further support OVC troubleshooting feature.

Alcatel·Lucent
Enterprise

CRAOS6X-3943 (CRAOS6X-3947) (CRAOS6X-3987)	672.147.R08	OS6450: Need to disable SSH server CBC Mode ciphers & SSH weak MAC Algorithms	Disabled the "diffie-hellman-group1-sha1" using the new macro KEX_DEFAULT_STRONG_HASH
CRAOS6X-4031	672.135.R08	SR:00573236:e.solutions GmbH:OS 6450:Switch Reboot Issue	Changes done to address the buffer deletion occurrence during a specific scenario.
CRAOS6X-4104	672.157.R08	[Report] : Instituto Hermes Pardini: OS6350 openSSH 5.0 Vulnerability check [CVE:2018-15473]	Changes done to fix openSSH vulnerability CVE-2018-15473

Known Issues

- None post 672.122.R08 GA build.
- Pls review release notes for 672R08 GA as well.

New Features

1. OS6450-U24 Fan Status Enhancement

Platforms Supported: Omni Switch 6450-U24

Hosted AOS SW Release: 672.129.R08

Objective of this feature is to enhance below options for seeing the fans status for 6450-U24 variants.
- Provide a clear fan failure status in MIB & CLI when failure is detected.
- Enable active polling with MIB for fan status in OS6450-U24, add/update MIB.

Presently the "show fan" output displays only below options to know the fan condition.
running => fan is present and running
not running => when fan is not present or not running.
no status => fan is not present

When in high temperature (where fan is expected to run with high speed), if the fan status changes from running to not-running, then syslog will log a "Fan #x failure" message and trap message is triggered. The log and trap is sent only once to inform the network administrator about the fan failure & will not get triggered again for the same failure. This is to avoid flooding as per earlier requirements.

The current implementation enhances this output so that it reflects correctly whether a fan is not present or is not running (applicable for other OS6450 models) as per algorithm or is faulty/failed running. The same status is made available in the MIB and Webview as well.

Below are the fan new status options for 6450-U24 variants.

Not Present	Fan is not present.
Not Running	Temp is low it should not run (expected).
Running	Fan is running
Fan Failure	Newly added. This will be set if fan unexpectedly stops. Fan Failure trap is also sent.

The MIB object alaChasEntPhysFanStatus is now available to check the physical fan status.