Intermediate Release Notes for the OmniSwitch 6624/6648/7700/7800/8800: Release 5.1.4.R01

The following is a list of issues that have been identified and corrected in the AOS software since the latest GA (Generally Available) release of software was released. 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. For questions or concerns, please contact Alcatel's Technical Support Department.

The below list includes the software problems found and resolved up to release 5.1.4.218R01 of the AOS software:

- Loss of IP static route after a reboot.
- Moving to IP switching and back may corrupts L2 database
- Removing vlans may causes BGP to stop functioning
- OmniStack 6600 sending TCN BPDUs
- CSM task being starved by some task between priorities of 50 and 94
- UDPrelay stops functioning
- Unable to ping a tagged vlan's router port interface over a link aggregated port after switch reboots
- ipc_pools exhausted on OS6600 when Port mirroring turned on at OS7700 upstream
- Unable to reconfigure IP on MacOS X.1.5 with IE 5.2
- Secondary CMM occasionally fails to takeover after primary reboots
- OS-6600: Loss of communication after reboot
- 802.1x Does not work with Aegis Radius Server, Microsoft IAS, Free Radius for Linux
- Wrong DHCP behavior with Authentication and 802.1Q.
- IP GM rule fails to move the port correctly into the VLAN at reboots even if the CLI shows it did
- Stacks resets and generate "CSM_TOPOLOGY_MSG message received from SM" messages
- Port set only as default vlan: apply mobility on the port and change the default vlan block traffic
- UDP checksum error with port mobility
- RIPv1 routing updates are being lost possible error: tRip-: ripSendto:sendto: S_errno_EACCES
- Memory alignment issue after task CS_PRB overflow
- OS6600- Non GMC time zone may causes flash-synchro corruption

- Health Monitor issue on falcon during overnight L3 automation tests for rip/ospf/bgp/arp
- NetBios Traffic causing Learned MAC to be broadcast out uplink port where learned.
- Source MAC on mobile ports is learned on both def-VLAN and authenticated VLAN.
- ARP entry shown on the wrong VLAN once dup IPs on different VLANs w/o running group mobility
- RIP2 MD5 with string of 16 characters cannot be saved
- topB and bottomB not displayed during HTTPS authentication
- Unable to Disable IP forwarding on a VLAN
- OS8800 NI CPU reaches 100% under DoS ARP test.
- BGP fails to establish a peer when host route with 255 last octet is advertised as host address

The below list includes the software problems found and resolved up to release 5.1.4.229R01:

- DHCP for AVLAN not working when IP helper AVLAN only used. Standard mode works.
- "show amap" command does not display anything
- Using CLI we are unable to add a second route to same destination via a different gateway/metric
- UDP checksum error with port mobility
- After Reloading Primary CMM, Secondary CMM fails to work due to bug in tCsCSMtask
- Allow ACL to handle IP type other than 6 and 17
- Fix the 100 Half Ethernet connection issue
- Poor transfer performance in one direction with 3Com NIC configured as 100 Half Duplex.
- Using SNMP Version 1: no network address in SNMP part of packet.
- OmniStack 6600 reporting CRC and Alignment errors under certain configurations
- Default switch Source IP reporting traps to SNMP Station gets changed on takeover.
- OS6600 act as layer2 switch drop authentication packets
- Recovery issue when unplugging a line card on OS7000
- LED stays on after cable is removed from ENI-C24 10M half duplex port.
- "debug chassis secondary emp enable" command can not be disabled without rebooting the secondary CMM
- swlog appid aaa shows invalid entry
- The packets captured on group mobility port are not replicas of packets generated at mirrored port.
- Fix the functionality of "bridge 1 111 disable" command
- Nortel send invalid ospf lsa causing ospf task to go down
- Duplicate IP of VRRP instance causes connection problems - message needed to indicate condition
- tDrcIpmrm stops functioning occasionally on loading dvmrp

- OC/BOP: RIP v1 and Rip v2 on the same switch route advertisement sometimes create bogus routes

The below list includes the software problems found and resolved up to release 5.1.4.244R01:

- EMP port stays up without any cable connected
- Mirroring port receives two broadcast frames for each broadcast frame tx from mirrored port
- WebView task consuming the ipc pools resulting in failure to do commands starting with write
- SSH, Web, and SNMP access to Switch fails, bridge traffic ok. Console is only way to access.
- Not able to save "debug interfaces set backpressure enable" cmd in boot.cfg to be enabled after reload
- Fix unicast / broadcast IN traffic issue on ENI C 24(10H or 100H)
- When PC moved from one auth port to another, dup MAC on up link cause traffic problem.
- Source Learning issue resulting in Vmn: sock error -5
- Switch stuck at 100% when terminated telnet session
- Old MS-DOS client cannot get DHCP address on the AOS products.
- When the port goes down the esm driver reports status "1"
- Mobile port showed incorrect forwarding state
- Data Flooding issue on ENI-C24 at 10/Half
- Change the priority Level of control packets such as BPDUs to 3
- OS6600 IP stack occasionally freezes when multicast switching is enabled
- Show health slot/port wrong display on gigabit module
- 7800 throughput test with Smart Bits display loss of frames

The below list includes the software problems found and resolved up to release 5.1.4.256R01:

- Health Task crashed after GNI removed from Switch and causes CMM fail over
- DHCP on Avlan port doesn't work when the default vlan is not 1.
- Cannot telnet to authentication IP addresses in the range of 224 to 239 in 3rd octet.
- All L2 Control Packets should change to Priority 3 to prevent drop of control packets such as BPDUs
- 6624 will extract itself now and then
- Egress port lockup on 100 Half ethernet connection
- "ERROR: Display_interfaces Failed <26>" after Hot-remove of NI
- Falcon is answering a ping packet with both the virtual MAC and hardware MAC
- Show health slot/port wrong display on gigabit module
- Netbios traffic causing learned MAC to be broadcast out uplink port where learned.

- VeriSign Certificate expired... new certificate from 09/13/2003 to 09/14/2004
- NtpDaemon was suspended after running NTP over the weekend
- Loss of connectivity on linkagg between PCs after a copy flash_synchro on 2 stacked OS6624s
- OpenSSH buffer overflow vulnerability, CERT VU#030917
- Mobile VLAN port association retained even after port down
- Flooded traffic causes High IPNI task on Omnistack 6600

Features / Functions Tested:

Hawk

Partition Management
CLI
QoS
Layer – II
Performance
Partition Management – SNMP
ANVL Conformance Test
End User Partition Management

Falcon

Partition Management
End User Partition Management
CLI
Layer -II
Performance
Layer-III BGP
Partition Management – SNMP
Layer-III ARP
Layer-III RIP
Layer-III OSPF

Eagle

Build Startup
Layer-II