



Intermediate Release Notes

OmniSwitch 6624/6648/7700/7800/8800

Release 5.1.5.363.R04

The following is a list of issues that have been identified and corrected 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 questions or concerns, please contact Alcatel's Technical Support Department.

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Problems Fixed Between Builds 54 and 83

PR	87778	Build:	5.1.5.54.R04
Summary:	New secondary failed to update module information after failover		
Explanation:	When takeover happened, a bogus message was sent to the new secondary with an invalid message type. Most of the time the message was discarded due to the unrecognized message type.		
PR	87873	Build:	5.1.5.55.R04
Summary:	Trap Replay index gets miscalculated after the switch generates 300 traps.		
PR	87609	Build:	5.1.5.57.R04
Summary:	Users are sometimes lost when converting from userTable to userTable3 during code upgrade		
PR	83811	Build:	5.1.5.58.R04
Summary:	Unauthentication (logoff) from AVLAN doesn't work		
PR	88047	Build:	5.1.5.58.R04
Summary:	OS6600-48: NBNS (NetBiosNameServer) frames not flooded out when PCs are connected on ports 25 to 48		
PR	86967	Build:	5.1.5.59.R04
Summary:	Quiet Period not respected with specific Radius Access Reject packet		
PR	87020	Build:	5.1.5.59.R04
Summary:	High Availability VLAN: unicast mode: request to have the rate limit configurable through CLI		
PR	87411	Build:	5.1.5.60.R04
Summary:	Unable to specify VLAN through WebView when using UDP relay per VLAN		
PR	87657	Build:	5.1.5.61.R04
Summary:	"Show avlan users" command does not display some AVLAN authenticated users		
PR	88202	Build:	5.1.5.61.R04
Summary:	Resource allocation failure-5 after switch generates about 2000 traps.		
PR	88257	Build:	5.1.5.62.R04
Summary:	Applying One touch QoS rules from OmniVista flushes all AVLAN users on OS6600 switch, OS7 is OK		
PR	84370	Build:	5.1.5.63.R04
Summary:	Cli Shell fails to correctly free memory when telnet is closed while active ftp/telnet sessions exist		
PR	88175	Build:	5.1.5.63.R04
Summary:	High availability VLAN (HAVLAN) does not work in 5.1.5.R04		
Explanation:	Cannot add ports to high-availability VLANs: "vlan x port-mac ingress-port x/y" will generate an "INTERNAL ERROR" message.		

PR	88292	Build:	5.1.5.64.R04
Summary:	Trap Replay only sends the first 128 traps in the buffer when requested through SNMP		
PR	88342	Build:	5.1.5.65.R04
Summary:	AVLAN needs to support Safari		
PR	88250	Build:	5.1.5.66.R04
Summary:	"Show ipx route" command can delete the IPX local routes		
PR	87621	Build:	5.1.5.67.R04
Summary:	show-mac-address-table on OS6 does not display decnet protocols but a "0"		
PR	88278	Build:	5.1.5.67.R04
Summary:	Routes learnt from BGP-4 are not populating in the Routing Table		
PR	88493	Build:	5.1.5.68.R04
Summary:	Packet corruption when flooding/multicast from tagged port to untagged port		
PR	87426	Build:	5.1.5.69.R04
Summary:	Gratuitous ARP's not accepted		
PR	88466	Build:	5.1.5.69.R04
Summary:	Intermittent multicast forwarding with PIM-SM		
PR	86777	Build:	5.1.5.71.R04
Summary:	tCS_PRB and AAA tasks suspended		
PR	86714	Build:	5.1.5.73.R04
Summary:	Http Re-direct is not working with a proxy server		
PR	87160	Build:	5.1.5.73.R04
Summary:	Change duplicate IP address log record to behave like VRRP toggling		
PR	88190	Build:	5.1.5.73.R04
Summary:	AOS allows changing from MDI to MDIX for crossover setting of Fiber gig modules		
PR	88360	Build:	5.1.5.73.R04
Summary:	CMM A does not respond to takeover - MemMon000 dump		
PR	86632	Build:	5.1.5.74.R04
Summary:	When TCN rcvd on port 1 of GNI-U2 only port 2 is flushed & visa-versa		
PR	87194	Build:	5.1.5.74.R04
Summary:	TC (Topology Change) Count increase when edge port goes up and down		
PR	87360	Build:	5.1.5.77.R04
Summary:	Adjacencies Home in WebView displays an OS7700 with a question mark instead of a 6602		

PR	87022	Build:	5.1.5.78.R04
Summary:	Can't disable "debug command-info"		
Explanation:	Entering "debug command-info enable", enter the command info mode. Trying to exit that mode is impossible because the command "debug command-info disable" is not taking effect in command info mode.		
PR	87518	Build:	5.1.5.81.R04
Summary:	Clients attached to Querier switch of a vlan do not receive multicast traffic		
PR	88494	Build:	5.1.5.70.R04
Summary:	Cannot create generic UDP relay service		
PR	88513	Build:	5.1.5.73.R04
Summary:	Issues with HTTPS access to the switch		
PR	88557	Build:	5.1.5.68.R04
Summary:	Need the ability to disable auto-negotiation on GNI-U2		
PR	88791	Build:	5.1.5.76.R04
Summary:	Errors generated from boot configuration file (boot.cfg) during bootup for Dynamic Routing Config.		
PR	88856	Build:	5.1.5.76.R04
Summary:	Auto Neg status from "show interface capability" for GNI module showing enabled even after disabling		
PR	88874	Build:	5.1.5.75.R04
Summary:	VRRP IP is not responding to ARP request if the VLAN id is 49 or 434		
PR	88950	Build:	5.1.5.76.R04
Summary:	Auto-negotiation default behavior has changed with 5.1.5.210.R02		
PR	88999	Build:	5.1.5.77.R04
Summary:	Issues with triggered updates in RIP		
PR	89020	Build:	5.1.5.79.R04
Summary:	QoS: ICMP rules and UDP traffic cause the NI cpu utilization to reach 100%		
PR	89032	Build:	5.1.5.78.R04
Summary:	Traceroute output of one telnet session is received on the ping output of another telnet session		
PR	89091	Build:	5.1.5.77.R04
Summary:	PIMSM is erroneously updates (S,G) route as local route		
PR	89116	Build:	5.1.5.83.R04
Summary:	Designated ports in 1w makes slow transition to Forwarding state when interoperating with 5.1.5		
PR	89192	Build:	5.1.5.80.R04
Summary:	Need a command to overwrite route summarization metrics calculated by spf algorithm		

PR **89266** Build: 5.1.5.82.R04
 Summary: U2/8 ports not coming up with autoneg on and exist link after booting up a remote switch

Problems Fixed Between Builds 84 and 127

PR **88634** Build: 5.1.5.84.R04
 Summary: L3 forwarding (kernel) table not in sync with BGP protocol table when access to next hop toggles
 Explanation: Layer 3 forwarding (kernel) table is not in sync with BGP protocol table when access to next hop toggles

PR **83387** Build: 5.1.5.85.R04
 Summary: IP multicast packets are not flooded over linkagg, except 224.0.0.x

PR **87925** Build: 5.1.5.85.R04
 Summary: Need a flag to revert the static ARP behavior from 5.1.5 to 5.1.4
 Explanation: Static ARP entries without the source slot/port information can be overwritten with the slot/port information once the traffic is learnt on the switch. This is an issue when using static ARP entries for Multicast MAC addresses.

PR **88030** Build: 5.1.5.85.R04
 Summary: memPartFree: invalid block, error vm error creating falsock buffer, and reboot - dump analysis
 Explanation: PIMSM memory Allocation failure when freeing an invalid buffer

PR **89317** Build: 5.1.5.85.R04
 Summary: info vm tx error (-6) to: 255 0 8 36 -- continuously scrolling in swlog

PR **86129** Build: 5.1.5.86.R04
 Summary: Authenticated users are lost after a QoS apply

PR **89000** Build: 5.1.5.87.R04
 Summary: Loosing redistributed static route in OSPF, if RIP is enabled.
 Explanation: Loosing redistributed static route in OSPF, if RIP is enabled

PR **89306** Build: 5.1.5.87.R04
 Summary: FTP session with read only privileges outputs garbage character's on the console.

PR **89358** Build: 5.1.5.87.R04
 Summary: AVLAN user w/ mac entry is deleted from database so user no longer authenticated cause by SL

PR **88649** Build: 5.1.5.88.R04
 Summary: All L4 ports not learned in hardware

PR **89215** Build: 5.1.5.88.R04
 Summary: With WebView the power supply "PS4" of 7800 switch has the label "IPS-1"

PR **89224** Build: 5.1.5.88.R04
 Summary: 28510 ASSERT FAIL mod e_Module_ARML3, file armL3.c, fcn ARML3ReleaseIPPrctITbl, tid 468b828:
 Explanation: 6600: QoS is causing a CAM corruption with specific ACL configuration.

PR	89392	Build:	5.1.5.88.R04
Summary:	taQoS task got suspended due to an unaligned mem access.		
PR	89524	Build:	5.1.5.89.R04
Summary:	Slotslice dumps seen in 8800		
Explanation:	The mobile vpa list can be corrupted or stale when it is being accessed by multiple tasks without protection of the list. As a result the NI is rebooted and a pmd file is created.		
PR	88440	Build:	5.1.5.96.R04
Summary:	OS6600 in stack: secondary CMM reset due to SNMP		
Explanation:	The secondary CMM is not supposed to pool the SNMP stations.		
PR	80143	Build:	5.1.5.98.R04
Summary:	IGMPv1 client does not reply to the querier.		
Explanation:	Windows IGMPv1 clients do not respond to IPMS queries.		
PR	87149	Build:	5.1.5.98.R04
Summary:	MAC address gets learned on the default VLAN even if AVLAN default traffic is disable		
Explanation:	MAC addresses of the unauthenticated users get learned on the default VLAN even if the "avlans default-traffic" feature is disabled.		
PR	88267	Build:	5.1.5.98.R04
Summary:	IPMS stuck in loop and running at 100%		
PR	89572	Build:	5.1.5.99.R04
Summary:	Using "modify boot parameters" allows to configure duplicate IP between EMP-IP and VLAN router IP		
PR	85621	Build:	5.1.5.101.R04
Summary:	Switch does not stamp ToS/DSCP values on the packets generated by the switch itself		
PR	89436	Build:	5.1.5.105.R04
Summary:	BGP exception: Floating-Point Exception IEEE-754 -error Task: 0x4853460 "tBgp" -- crashed on bootup		
PR	89545	Build:	5.1.5.106.R04
Summary:	NTP Client not able to sync with Windows Time service in WinXP machine		
PR	89454	Build:	5.1.5.107.R04
Summary:	gmBindRuleViolation Trap does not give ifIndex value as xx0yy, it reserves 64 Index values per slot.		
PR	89263	Build:	5.1.5.110.R04
Summary:	Multicast forwarding problem when PIMSM and IPMRM are not synchronized		
PR	87362	Build:	5.1.5.111.R04
Summary:	Port connected to hub remains in authenticated state even though the MAC address is aged out		
Explanation:	When a PC is connected to an AVLAN port and when the PC's link is unplugged and moved to a different port on the network. AVLAN is not able to detect that the PC is moved and thus always show as connected.		

PR	88609	Build:	5.1.5.111.R04
Summary:	"qosMapperAddSLBFlow: SLB flow wanted port specificity" errors seen, GNI blade locks up		
PR	89255	Build:	5.1.5.111.R04
Summary:	OS6600 crashed under SSH stress test with MemMon.dmp : qd: no free EFPs count=1 qdMapBdToEfpToc 430		
PR	88643	Build:	5.1.5.117.R04
Summary:	Kill session 0 from a telnet session causes the console connection to be blocked until reboot.		
PR	89076	Build:	5.1.5.119.R04
Summary:	OS8800 does not boot correctly - NI reset due to monitoring timeout		
PR	88961	Build:	5.1.5.125.R04
Summary:	Unable to create a static-rp for 239.1.1.1		
PR	89491	Build:	5.1.5.125.R04
Summary:	Allow L3 flooding to occur in hardware to handle IP clustering application		
PR	89584	Build:	5.1.5.91.R04
Summary:	Java applet displays only half while using Japanese version of MacOS		
PR	89632	Build:	5.1.5.99.R04
Summary:	Need the ability to power down predictably the NIs upon the loss of a power supply		
PR	89646	Build:	5.1.5.103.R04
Summary:	QOS policy to allow ICMP traffic is blocking access to VIP of the SLB cluster		
PR	89668	Build:	5.1.5.95.R04
Summary:	Not able to send the broadcast message over Ling Agg on 8800		
PR	89825	Build:	5.1.5.101.R04
Summary:	User with read privilege only still able to put files into the system directory		
PR	90012	Build:	5.1.5.101.R04
Summary:	AVLAN: Safari browser users can not browse using proxy server settings on MacOS		
PR	90090	Build:	5.1.5.102.R04
Summary:	Enhancement for Ingress flood limit		
PR	90093	Build:	5.1.5.116.R04
Summary:	Default route getting redistributed in area 0.0.0.2 instead of 0.0.0.0		
Explanation:	When aggregating routes redistributed into OSPF, the gateway address of the redistributed route is not set to 0, resulting in OSPF trying to use different forwarding address for the corresponding AS-External LSA.		
PR	90140	Build:	5.1.5.107.R04
Summary:	Show Chassis command does not display the correct reload or reboot timer		

PR	90152	Build:	5.1.5.102.R04
Summary:	Increase L3 High Availability VLAN Bandwidth to line rate		
PR	90255	Build:	5.1.5.107.R04
Summary:	HSM-CHASSIS INVALID == HSM == NI HW problem. HW fail type: 4		
PR	90287	Build:	5.1.5.113.R04
Summary:	HTTP redirect for authentication fails on windows using proxy		
PR	90307	Build:	5.1.5.110.R04
Summary:	Using "modify boot parameters", unable to change the EMP IP address		
PR	90309	Build:	5.1.5.105.R04
Summary:	"debug ip packet tcp <num>" command is not showing correct traffic		
PR	90510	Build:	5.1.5.107.R04
Summary:	HAVLAN error message when modifying VLAN via WebView		
PR	90554	Build:	5.1.5.111.R04
Summary:	DHCP Port Rules not classifying packets		
PR	90671	Build:	5.1.5.113.R04
Summary:	OS6600 strange behavior when using ACL with service port 23 (telnet)		
PR	90675	Build:	5.1.5.109.R04
Summary:	OSPF LSA type 5 has incorrect forwarding address		
PR	90686	Build:	5.1.5.112.R04
Summary:	When VLAN 1 is admin disable - it caused an STP loop		
PR	90687	Build:	5.1.5.112.R04
Summary:	Inconsistent VLAN 1 operational state when it is disable with link aggregation		
PR	90879	Build:	5.1.5.123.R04
Summary:	Fabric lock up- not flooding broadcast or multicast out		
PR	91009	Build:	5.1.5.119.R04
Summary:	VLAN remains operational even if the NI, with the only active ports in the VLAN, is powered down.		
Explanation:	VLAN remains operational even if the NI, with the only active ports in the VLAN is powered down.		
PR	91010	Build:	5.1.5.117.R04
Summary:	Disable IPMS query completely		
PR	91074	Build:	5.1.5.121.R04
Summary:	QoS using LA 0's software Q offset for QoS flows to non LA dest ports, when LA 0 is also configured		
Explanation:	The wrong queue is used by QoS when linkagg ID 0 is configured and the first port in the aggregate is not up.		



PR **91169** Build: 5.1.5.125.R04
 Summary: RSTP convergence takes more than a second in the ring topology

PR **91181** Build: 5.1.5.125.R04
 Summary: PIMSM unable to learn more than 50 RPs

Problems Fixed Between Builds 128 and 156

PR **88438** Build: 5.1.5.130.R04
 Summary: IPNI task crash@'qDriverUpdateDebugBuffer' func.Buff double free issue. Reproduced once in 3 days

PR **90863** Build: 5.1.5.132.R04
 Summary: Switch dies after an active Telnet/SSH session is lost or times out
 Explanation: If a Telnet/SSH session is killed while displaying a long show command, any management to switch is lost including the console and the system dies after about 60 seconds.

PR **91140** Build: 5.1.5.134.R04
 Summary: VRRP flapping when clearing the switch log files

PR **90092** Build: 5.1.5.135.R04
 Summary: DHCP IP cannot be obtained on AVLAN (mobile + auth) port before authentication
 Explanation: If DHCP server is on the same VLAN as the PC, PC is not able to get IP address from the DHCP server.

PR **91274** Build: 5.1.5.135.R04
 Summary: Http redirect doesn't work with certain types of URLs

PR **91353** Build: 5.1.5.135.R04
 Summary: NTP task crashed on floating point exception

PR **91402** Build: 5.1.5.137.R04
 Summary: UDP packet keeps bouncing between backbone switches, causing CPU to go 100%

PR **89696** Build: 5.1.5.138.R04
 Summary: AOS enhancement to reboot the stacking element upon detecting task exception

PR **89718** Build: 5.1.5.139.R04
 Summary: QoS: when UDP port number specified is lower than TCP port numbers. Policies do not work.

PR **91070** Build: 5.1.5.139.R04
 Summary: QoS: Combination condition of L4 service group with IP address or physical port fails

PR **89888** Build: 5.1.5.140.R04
 Summary: Policy based routing (Alternate Gateway) not working for customer after upgrade to 5.1.5 54 R04.
 Explanation: If Layer 3 Classify Bridged traffic QoS rules are configured on a 7000/8000 series switch then Policy Based Routing rules can only be configured for routed traffic.

PR	91312	Build:	5.1.5.140.R04
Summary:	"Unexpected message, cmmTelnetLib.c" when Telnet and exit the Telnet application without logging in		
PR	91392	Build:	5.1.5.140.R04
Summary:	When reloading a member of a stack, VLAN comes up 20 seconds before port is forwarding		
PR	90498	Build:	5.1.5.142.R04
Summary:	QoS: Destination port rule causes L3 broadcast traffic from the switch to be dropped, on all ports		
PR	91259	Build:	5.1.5.144.R04
Summary:	SSH session doesn't understand any CLI command and eventually console will hang.		
Explanation:	When interrupting console output of repetitive SSH sessions, a new session doesn't understand any CLI command and eventually console will hang.		
PR	89112	Build:	5.1.5.146.R04
Summary:	Wildcard mask for L2 ACL's does not work after reboot, creates boot.cfg.err file		
PR	89109	Build:	5.1.5.149.R04
Summary:	Coronado response time to ping from the CMM is extremely slow (ping 127.1.slot.slice)		
PR	91324	Build:	5.1.5.153.R04
Summary:	Multicast forwarding problem when ingress port status changes		
Explanation:	Flows were getting unsynchronized between the NI and the Management Module.		
PR	91436	Build:	5.1.5.156.R04
Summary:	Running and saved configurations are identical but the switch complains that the config is not saved		
PR	91491	Build:	5.1.5.150.R04
Summary:	OSPF does not re-calculate external routes after change in path to forwarding address		
Explanation:	When external routes have a forwarding address, and there is a change in the OSPF internal path to the forwarding address, the external route SPF calculations are not re-run, resulting in the loss of one of ECMP next hops to the external destination.		
PR	91525	Build:	5.1.5.140.R04
Summary:	An Error message " **ERR("4")** " shown up on the WebView of OS7800 for all the gig ports.		
PR	91652	Build:	5.1.5.145.R04
Summary:	Dump Analysis / taQos task suspended / Ni Trouble report received for NI 3 & 5		
PR	91678	Build:	5.1.5.143.R04
Summary:	Hardware type 4 resets when admin down/up Link Agg port		
PR	91715	Build:	5.1.5.142.R04
Summary:	NI unable to create L2 Destination Address entries when admin up/down Link Agg port		
PR	91803	Build:	5.1.5.147.R04
Summary:	Loss of ping during 15-30 seconds after a takeover. Does not happen all the time.		



PR	91810	Build:	5.1.5.146.R04
Summary:	Error message: "QDRIVER alert qd efp: enet buffer alloc failure"		
Explanation:	Security: This error message is due to a buffer memory corruption which can be generated by a network attack.		
PR	91835	Build:	5.1.5.144.R04
Summary:	Unable to ping after admin down primary link agg port		
PR	91854	Build:	5.1.5.151.R04
Summary:	6600 not flooding broadcast packet when detecting MAC movement		
PR	91956	Build:	5.1.5.152.R04
Summary:	NI Insertion caused VRRP to flap		
PR	91972	Build:	5.1.5.151.R04
Summary:	Switch generates radProcPkt fail, node=0x429d8b8 errors on the console		
PR	91987	Build:	5.1.5.151.R04
Summary:	User can access through EMP port even when status indicates down		
PR	91988	Build:	5.1.5.150.R04
Summary:	Hardware type 4 resets when extracting NI with link agg		
PR	92045	Build:	5.1.5.156.R04
Summary:	Memory corruption occurred after NI power down followed by NI power up.		
PR	92059	Build:	5.1.5.153.R04
Summary:	slcMsgProcessing task crashed when admin up/down link agg port		
PR	92061	Build:	5.1.5.153.R04
Summary:	ARP cache not being flushed on link agg upon MAC movement		
PR	92121	Build:	5.1.5.156.R04
Summary:	ENI-FM12 modules fail to get initialized, enable ipc s/p fail. NI Power off.		

Problems Fixed Between Builds 157 and 166

PR	92004	Build:	5.1.5.157.R04
Summary:	QoS Rules: The subnet mask is not strictly respected		
PR	91261	Build:	5.1.5.158.R04
Summary:	Bootp packet with a Multicast Destination IP address are not forwarded		
PR	90613	Build:	5.1.5.159.R04
Summary:	When the fbus links come up partially, roma drv goes into a loop and causing buffer depletion.		
Explanation:	This issue is seen only after the boot and result in the NI being reset		
PR	91129	Build:	5.1.5.159.R04
Summary:	RSTP convergence goes into listening ,learning and then forwarding on 7700		



PR	72390	Build:	5.1.5.160.R04
Summary:	Power Supply failed trap is occasionally not sent out		
Explanation:	After take over, the new primary will not send out a trap when a power supply is extracted. This is an informational message, no effect to the system.		
PR	92233	Build:	5.1.5.161.R04
Summary:	zcBufDelete: Task 0x4478810 freeing bad buffer (S)		
Explanation:	CLI Buffer exception when killing a telnet session while it is in dshell.		
PR	92267	Build:	5.1.5.163.R04
Summary:	Take over on 7800 causes the multicast forwarding table to flush and not repopulate for 30 sec		
PR	92386	Build:	5.1.5.164.R04
Summary:	Sporadic packets loss due to ARP entries improperly flushed		
Explanation:	The ARP flush timer algorithm has been modified to fix this issue.		
PR	91828	Build:	5.1.5.165.R04
Summary:	memmon.dmp and cs_system.pmd files created when using sFTP		
Explanation:	sFTP protocol modification to support consecutive connection/disconnection. sFTP is used by default on OV2.4 to backup to the switches configuration.		
PR	92436	Build:	5.1.5.165.R04
Summary:	IP Forwarding table (FIB) and IPRM RIB are out-of-sync when IP interface flaps after takeover		
PR	92517	Build:	5.1.5.165.R04
Summary:	DHCP request to the DHCP server is originating from wrong switch on AVLAN ports		
PR	92150	Build:	5.1.5.166.R04
Summary:	Link Agg port showed up even though it is admin down		

Problems Fixed Between Builds 167 and 175

PR	92537	Build:	5.1.5.167.R04
Summary:	Duplex full settings on GNI-C12 and GNI-C24 are not applied after switch reboot		
PR	92460	Build:	5.1.5.169.R04
Summary:	[RAD] radSendMsgToAaa : sending FALCONSOCK_ERROR -5		
PR	92693	Build:	5.1.5.169.R04
Summary:	DHCP request is getting flooded in VLAN-1 even if ip helper configured on the switch.		
Explanation:	Flood DHCP on def vlan controlled by a flag		
PR	90997	Build:	5.1.5.170.R04
Summary:	Switch able to communicate even though there is mismatch in 802.1q configuration		
PR	92322	Build:	5.1.5.170.R04
Summary:	Even when VLAN is down, switch does not forward for the same IP address at other switch (active)		
Explanation:	A switch with an IP address configured in a VLAN which state is admin down does not forward any packet to this IP address and assumes that the packet was intended to itself.		



PR	92566	Build:	5.1.5.170.R04
Summary:	On OS6600 only:a multicast generating host is not learned on the new port and the traffic is dropped		
Explanation:	Multicast MAC move were not detected on OS6600		
PR	92148	Build:	5.1.5.171.R04
Summary:	Power down/up primary NI on link agg decreases the STP total TC count		
Explanation:	The total TC (Topology Change) count is not restored on the NI after the NI is reset.		
PR	91213	Build:	5.1.5.172.R04
Summary:	Unable to get an IP address for client after getting authenticated by 802.1X		
PR	91993	Build:	5.1.5.172.R04
Summary:	Cannot disable 802.1x port on the fly		
PR	92806	Build:	5.1.5.173.R04
Summary:	PIM-SM assertion process caused invalid RPF neighbor		
PR	92410	Build:	5.1.5.174.R04
Summary:	Cannot configure HA-VLAN on ENI-P24 coronado2 modules.		
PR	92406	Build:	5.1.5.175.R04
Summary:	Telnet hop by hop can cause the console and telnet to hang when the idle timeout is reached		
Problems Fixed Between Builds 176 and 183			
PR	92972	Build:	5.1.5.177.R04
Summary:	"Show port-security" does not show slot/port information for certain ports		
PR	93053	Build:	5.1.5.178.R04
Summary:	Tagged packets on mobile ports malformed when going through a stack of OS6600's		
Explanation:	Restore original frame length for 802.1q tagging across stacks		
PR	93168	Build:	5.1.5.178.R04
Summary:	AMAP does not display link on OmniVista Server when the remote end has no IP address		
PR	93063	Build:	5.1.5.179.R04
Summary:	If enable and disable a 802.1X port , the port is unable to send out arp broadcast		
Explanation:	If we enable an 802.1x port and then disable it, the port is unable to receive any ping traffic.		
PR	89576	Build:	5.1.5.182.R04
Summary:	WebView OSPF interfaces page shows a wrong value for the Router Priority		
Explanation:	In WebView, Networking > IP > OSPF > Interfaces > Area page shows wrong value for "Priority" on the table.		
PR	93166	Build:	5.1.5.182.R04
Summary:	IPC Depletion on Primary CMM when the secondary CMM is rebooted		

PR **91505** Build: 5.1.5.183.R04
 Summary: Unsolicited Takeover: 2ndary NOT revd PRIMARY ANSWER last good Request:
 Explanation: Under very specific circumstances, the secondary CMM might not be able to communicate with the primary and issue a takeover.

Problems Fixed Between Builds 184 and 191

PR **89335** Build: 5.1.5.186.R04
 Summary: Switch sends IGMP Membership query V3 instead of V2

PR **93035** Build: 5.1.5.187.R04
 Summary: IP Multicast 'leave group' messages are sent with a wrong Source Address
 Explanation: Leave messages were sent with an invalid Source MAC address, two bytes were added before the MAC address. For example: the following address was sent 00 00 01 00 5e xx instead of 01 00 5e xx xx xx.

PR **90105** Build: 5.1.5.188.R04
 Summary: The command "show policy classify l3 dscp 46" doesn't display the correct output

PR **92744** Build: 5.1.5.188.R04
 Summary: Set SLB to admin status disabled can generate connectivity issues

PR **93213** Build: 5.1.5.189.R04
 Summary: After viewing system pmd file you might not be able to telnet to the switch
 Explanation: It was possible that "show log pmd cs_system.pmd" took a few seconds to return default prompt without displaying anything. Then if you tried to telnet back, you were not able to connect to the system anymore.
 This fix addresses this problem.

PR **91493** Build: 5.1.5.191.R04
 Summary: "Write memory" & "write terminal" may not work after insertion, reload or takeover of secondary CMM
 Explanation: Insertion, reload or takeover of the secondary CMM might cause a QoS task failure and prevent the configuration manager from writing or printing the switch's configuration using "write memory", "write terminal" or "show configuration snapshot".

PR **92358** Build: 5.1.5.191.R04
 Summary: OS6600 drops routed DHCP Offer packets when the relay agent is not directly connected to it

PR **93480** Build: 5.1.5.191.R04
 Summary: Adding an inactive Link Agg causes active Link Aggs to go into blocking state if STP is disabled

Problems Fixed Between Builds 192 and 200

PR **93155** Build: 5.1.5.192.R04
 Summary: OS6 AVLAN: PCs connected via a hub cannot authenticate properly, they are learned in a wrong VLAN

PR **92245** Build: 5.1.5.193.R04
 Summary: PING failed with msg "Put_bd, attempt to put JumboFree BD with NULL task ID"

PR	93360	Build:	5.1.5.193.R04
Summary:	Mobility: PC in default VLAN cannot receive an IP address with DHCP		
Explanation:	This issue is observed in the following configuration: Client - L2 switch - L3 switch - DHCP server. The L2 switch does not forward the DHCP offer packet to the client once its mac-address has been flushed.		
PR	93732	Build:	5.1.5.193.R04
Summary:	Partial index getNext requests to sIMacAddressTable fail to index properly		
PR	92853	Build:	5.1.5.195.R04
Summary:	QoS is configured to NAT; "show active policy rule" shows matches but QoS is not rewriting the SA		
PR	93867	Build:	5.1.5.196.R04
Summary:	QoS rules are not applied after configuring DHCP rule		
PR	93977	Build:	5.1.5.197.R04
Summary:	IPC initialization may fail after a takeover		
PR	94091	Build:	5.1.5.198.R04
Summary:	WebView: install will remove all of the .img files from the working directory		
Explanation:	Simplified WebView's installation		
PR	93740	Build:	5.1.5.199.R04
Summary:	OS7-GNI2-U12 link failed after switch power off and on		
PR	93741	Build:	5.1.5.199.R04
Summary:	Connectivity drop across Link Aggregation when CMM failed over with policy server statement		
Explanation:	When you have a link aggregation together with the policy server statement, when CMM fail over, the connection across a link aggregation will drop for few seconds.		
PR	90145	Build:	5.1.5.200.R04
Summary:	Telnet/ssh hangs when executing a dshell "lkup" command		
PR	91390	Build:	5.1.5.200.R04
Summary:	Error Message : DrcTm-: tmtimerHandler: mq_send: S_errno_EAGAIN;		
Explanation:	When continuous telnet/ssh/ftp sessions were established because of timing issues and other socket corruption related issues switch crashes/reboots with pmd. Resolved timing and memory corruption issues when sockets are opened and closed very quickly within short intervals. This PR is related to 92053 where some more fixes have been done.		
PR	94208	Build:	5.1.5.200.R04
Summary:	Very long Telnet stress test can cause the CMM to reboot		
Explanation:	If you run very stressful telnet test with several connection and disconnection on a switch, after several hours it can cause the CMM to reboot.		

Problems Fixed Between Builds 201 and 212

PR	91654	Build:	5.1.5.202.R04
Summary:	DHCP Relay agent IP address does not correspond to vlan router ip		
Explanation:	DHCP Relay agent set giaddr for broadcast DHCP Request on the basis of VLAN information.		
PR	92667	Build:	5.1.5.203.R04
Summary:	After NI power cycled through the CLI, other NIs are failing to build DA CAM table.		
PR	92377	Build:	5.1.5.204.R04
Summary:	"Show policy classify L3 source ip destination ip" displays incorrect slot number		
Explanation:	Fix done to display the proper dynamic flow when we give slot/port information in the "show policy classify l3" command.		
PR	94488	Build:	5.1.5.205.R04
Summary:	"Show health <slot/port>" displays transmit/receive at twice the rate of rx/tx		
Explanation:	This is to fix the incorrect calculation of RxTx (RxTx output of 'show health' command) for Full-duplex ports. It was calculated by considering only Tx, so fixed to consider both Tx and Rx.		
PR	85341	Build:	5.1.5.209.R04
Summary:	***Unable to complete I2c data transfer.Status Reg.xx*** Error appears in 6600-P24 logs		
Explanation:	A process is unable to access a status register, but it retries so this message is considered as harmless and is now recorded in the switch log.		
PR	91943	Build:	5.1.5.209.R04
Summary:	"rls" "rcp" "rrm" changes the running configuration		
Explanation:	The commands "rls", "rcp" & "rrm" were implemented like a SNMP SET operation, while doing so we need to give exemption from "configuration changed time", so these commands does not do anything with the system configuration. So implemented the same by adding the corresponding MIP table for "rls" "rcp" & "rrm" in the exemption list for not to change the configuration change time.		
PR	93153	Build:	5.1.5.209.R04
Summary:	Traffic matching QoS policy and destined for link aggregation will reset the NI		
Explanation:	Traffic matching QoS priority stamping rules (802.1p, TOS or DSCP) that is destined for a link aggregate will no longer cause a divide by zero exception on the NI.		
PR	94612	Build:	5.1.5.209.R04
Summary:	No communication between the 802.1Q port and a mobile-tag enabled port		
Explanation:	Fix is done to set the TSP tagged bit in the hardware when tag mobile is enabled.		
PR	94248	Build:	5.1.5.210.R04
Summary:	Authentication failures are not logged into the swlog		
Explanation:	Before this fix, authentication failures were sent via SNMP to the management station but not logged into the swlog file. Now, both are done.		
PR	85864	Build:	5.1.5.211.R04
Summary:	CLI inactivity Timer does not work using SSH		



PR **94644** Build: 5.1.5.211.R04
 Summary: WebView: Change ASA family page to show bitmap values for easy copy and pasting.

PR **94329** Build: 5.1.5.212.R04
 Summary: High CPU when we hotswap module in chassis with "Static mac-address" on the Linkagg port
 Explanation: After NI hotswap, when the OTHER NI (NI 3) is inserted CMM is trying to send Static MAC of LA agg port (NI 6) configuration as DA address to OTHER NI 3. CMM hangs inside a while loop, when it tries to send static MAC configured only for logical ports during this configuration update. Looping again and again in the same logical port mac entry. Fix is done for traversing the whole table and send the configuration to NI.

Problems Fixed Between Builds 213 and 221

PR **92890** Build: 5.1.5.213.R04
 Summary: NTP Daemon crash - Floating-Point Exception IEEE-754
 Explanation: This is to fix the floating point exception caused by rootdelay and rootdispersion parameters received from the NTP server.

PR **94660** Build: 5.1.5.214.R04
 Summary: "Show health slot/port" transmit/receive incorrect calculation on Half-Duplex port
 Explanation: This is to fix the incorrect calculation of RxTx (RxTx output of 'show health' command) for Half-duplex ports. By default the port was taken as Full-duplex ports, so the calculation is made based on the current configuration of the port.

PR **93752** Build: 5.1.5.215.R04
 Summary: OS6: after receiving the first packet: the mac is learned, but the packet is dropped
 Explanation: Fix is done to flood the first packet from the software.

PR **94347** Build: 5.1.5.215.R04
 Summary: The dshell command "memShow" displays value in negative.
 Explanation: In dshell command memShow, while printing "unsigned long" variable, "%d" option was used in the printf statement. This option should be used for only "interger" values and not for "long" values. So it was printing a negative number, while trying to print a long value using "%d" option. Now we changed the "%d" to "%ld" which is the right format string for printing "long" values.

PR **94951** Build: 5.1.5.216.R04
 Summary: Remote host device shows as unknown device for 9700

PR **94884** Build: 5.1.5.217.R04
 Summary: 6600-P24 creates Lanpower and i2c error messages
 Explanation: This is to fix the timing issue which caused the i2c read operation failed. Introduced some taskDelay while reading the temperature EEPROM thru i2c bus.

PR **95074** Build: 5.1.5.217.R04
 Summary: DHCP offer is not forwarded to correct vlan when using DHCP superscope
 Explanation: Select relay agent address (giaddr) instead of host IP address (yiaddr) for PER VLAN case to support DHCP Superscope.



PR	92808	Build:	5.1.5.218.R04
Summary:	Issues with port mobility classification		
Explanation:	Problem is with handling microsoft special network address group and internal mappings of these values in GroupMobility.		
PR	95479	Build:	5.1.5.219.R04
Summary:	The port based ACL stopped working after upgrading from 5.1.5.125.R02 to 5.1.6.125.R02.		
Explanation:	Issues related to port based ACL's.Design changes have been done to ensure proper condition/actions are reflected in the ASICs.		
PR	95617	Build:	5.1.5.219.R04
Summary:	"No aaa authentication http" creates "boot.cfg.1.err" during the boot sequence		
Explanation:	When the default aaa configuration is removed, there is no need to put "no aaa authentication x" in the snapshot and boot.cfg.		
PR	95650	Build:	5.1.5.219.R04
Summary:	"Error [CLISHELL 8] fd = 149,select err at passwd" if the login timeout expires before login in		
Explanation:	This is to fix the severity of the telnet related log msg, changed from "error" to "info".		
Problems Fixed Between Builds 222 and 245			
PR	95717	Build:	5.1.5.224.R04
Summary:	Packets are dropping during file transfer using multicast file transfer application.		
Explanation:	OmniSwitch, by design, used to drop the first few packets (learning-phase packets) until a multicast flow was learnt into the hardware. This was causing certain applications to fail because of the functional requirement of the first few multicast packets of the application. This problem is resolved by the newly added CLI ability (IP multicast learning-mode) to configure the switch to either broadcast or drop the learning-phase packets. The default behavior is to drop learning-phase packets.		
PR	95991	Build:	5.1.5.225.R04
Summary:	6600 does not boot up if the privileges on the boot.slot.cfg file are changed to read only.		
Explanation:	When opening the file containing the slot number, previously it was trying to open in read and write mode and since the file is in read only mode this operation got failed, now code is changed to open the file in read only mode, so while opening the boot.slot.cfg file it will check only for read permission and not for write permission.		
PR	96048	Build:	5.1.5.225.R04
Summary:	dshell session terminated when exiting from telnet		
Explanation:	When multiple telnet sessions to a switch are active, and if dshell is opened in one of the telnet windows, the active dshell session will be terminated if any telnet session to the switch is closed.		
PR	92053	Build:	5.1.5.226.R04
Summary:	error [CLISHELL 28] Error on select (851971) followed by memMon dump		
Explanation:	Resolved timing problems with continuous telnet session establishments and exit.		
PR	96303	Build:	5.1.5.227.R04



Summary: Inconsistent behavior when traffic matches two rules, certain action only
 Explanation: When same source network group or destination group is used in more than one rule, index generated for these rules got corrupted. Proper changes have been done in index generation algorithm.

PR	96299	Build:	5.1.5.229.R04
Summary:	Issue with policy reflexive rule and Link Agg.		
PR	96898	Build:	5.1.5.232.R04
Summary:	6600 64 bit Flash - need to update the "show hardware info" to display flash size to 64MB		
PR	96787	Build:	5.1.5.234.R04
Summary:	With QoS enabled, when one port is disconnected, the traffic on another port is blocked		
PR	88463	Build:	5.1.5.235.R04
Summary:	Source IP is changed to default gateway of DHCP server		
Explanation:	Source IP Address of bootp relayed packets set as the IP Address of the interface on the BOOTP client side.		
PR	88230	Build:	5.1.5.236.R04
Summary:	tBgp crashed with Data Access Exception -- Crash.PMD file generated		
PR	95383	Build:	5.1.5.236.R04
Summary:	Allow dynamic routes to have higher priority over static routes.		
Explanation:	To give dynamic routes higher precedence, add the following line to the file called AlcatelDebug.cfg : debug set iprmStaticLowest 1		
PR	96223	Build:	5.1.5.236.R04
Summary:	OSPF RIP aggregate default route is not learned by OSPF		
Explanation:	Ospf installs the alternate redistributed route into external database by looking into the FDB and inserting the current active route.		
PR	95676	Build:	5.1.5.237.R04
Summary:	UDP relay statistics counters don't work		
Explanation:	The UDP Statistics counters were not being updated for non-bootp generic UDP service packets		
PR	92723	Build:	5.1.5.238.R04
Summary:	No indication when an echo request times out		
Explanation:	Ping timeout indication 'T' displayed when the ping request times out.		
PR	95878	Build:	5.1.5.239.R04
Summary:	Unable to disable autoneg for ENI-C24 modules from WebView		
PR	97322	Build:	5.1.5.240.R04
Summary:	Mobile-tag port strips the tag on the egress		
Explanation:	Setting hardware bit when handling Tagged DHCP frames.		



PR	97234	Build:	5.1.5.241.R04
Summary:	"IP multicast learning-mode flood" does not work on Linkagg		
Explanation:	In dshell command memShow, while printing "unsigned long" variable, "%d" option was used in the printf statement. This option should be used for only "interger" values and not for "long" values. So it was printing a negative number, while trying to print a long value using "%d" option. Now we changed the "%d" to "%ld" which is the right format string for printing "long" values.		
PR	96520	Build:	5.1.5.242.R04
Summary:	OS6600 "show qos queue" should be removed as it does not return expected information		
PR	97295	Build:	5.1.5.243.R04
Summary:	Partial route lost after going thru OSPF network with x.x.x.0/32 routes		
Explanation:	Prefer less specific route over x.x.x.0/32 host route while redistributing routes		
PR	97564	Build:	5.1.5.244.R04
Summary:	CPU utilization goes high when upgrading to 5.1.5.R04 & QoS enabled		
Explanation:	Due to logical error, for non matching policy rules also we have utilized hardware resources .This unwanted utilization of hardware resource made the CPU utilization go high. Logic has been changed to take care of these scenarios.		
PR	97615	Build:	5.1.5.244.R04
Summary:	Incorrect flood rate display when primary port of link agg goes down/up		
Explanation:	While handling a port leave message for a LA group, the primary portid was retrieved wrongly from join structure instead of leave structure. Now the primary port id is retrieved from leave structure. Previously the primary port status of the interface leaving the LA group is not set to DISABLE, now it is correctly set as DISABLE.		

Problems Fixed Between Builds 246 and 255

PR	97748	Build:	5.1.5.246.R04
Summary:	DHCP Frames are not bridged with alvan default traffic enable		
Explanation:	Fixed flooding of DHCP Packets originating from Clients on a port which is avlan enabled. Also when flooding failed due to some reasons the packet buffer is released properly.		
PR	97818	Build:	5.1.5.246.R04
Summary:	TOS and bandwidth limiting QOS rules affect previously working policy based routing		
PR	94735	Build:	5.1.5.247.R04
Summary:	MAC aging issues on 6600 running 5.1.5 191 R04.		
PR	96439	Build:	5.1.5.248.R04
Summary:	"copy working certified" will fail copying a file with length=0		
PR	96675	Build:	5.1.5.249.R04
Summary:	Img files shown in WebView even after removing the file from the switch directory.		
Explanation:	WebView was reading the files from Frelease.img which contains the list of files present while images were built. So we changed the switch code, to look for the flash to find out the files available in the switch.		
PR	97485	Build:	5.1.5.249.R04
Summary:	Port Mirroring: port keeps source tag config even after removing mirroring		



PR	98269	Build:	5.1.5.252.R04
Summary:	All the traffic sent out a mobile port is tagged		
Explanation:	Fix is done to set the hardware tagging bit for a specific mobile tag enabled vlan for sending tagged packets through mobile ports.		
PR	97691	Build:	5.1.5.253.R04
Summary:	Loss of config in the boot.cfg when saving to working with OV		
Explanation:	This is to fix the loss of configuration in boot.cfg when the command "Saving to Working" is issued from OV continuously. Before the fix, some of the configuration in boot.cfg would be lost when doing so.		
PR	98291	Build:	5.1.5.253.R04
Summary:	BPDU are not sent out when reverting back to STP Flat Mode and re-enabling VLAN 1		
Explanation:	In FLAT mode, STP kernel is enabled when VLAN admin state is received after the vlan stp state.		
PR	98408	Build:	5.1.5.253.R04
Summary:	OSPF ECMP over P2P interfaces does not work when the route originates from the same RouterID		
Explanation:	OSPF ECMP gateways are not correctly computed when there is more than one point-to-point or point-to-multipoint interface between a pair of OSPF routers.		
PR	95307	Build:	5.1.5.254.R04
Summary:	Multicast clients were not able to join the server located on other switch.		
Explanation:	In some cases Multicast Flow information maintained in Software was not removed properly and hence when the multicast traffic flow comes back after sometime, duplicate flow entry was created in software and the flow which eventually got removed from Hardware was not formed properly. Resolved this by making removal of multicast flow entries consistent between software and hardware.		

Problems Fixed Between Builds 256 and 261

PR	95676	Build:	5.1.5.256.R04
Summary:	UDP relay statistics counters don't work		
Explanation:	The UDP Statistics counters were not being updated for non-bootp generic UDP service packets		
PR	98387	Build:	5.1.5.258.R04
Summary:	qosHRETimeout: HRE timeout for non-hardware flow		
Explanation:	Flow entries maintained in software and hardware didn't synchronize properly. Changes have been done to sync the flow tables in a proper way.		
PR	99199	Build:	5.1.5.258.R04
Summary:	PIM-SM is not processing fragmented bootstrap messages		
Explanation:	When a router is sending more than 100 Rendez-Vous points, he needs to fragment the information in multiple packets. The problem was that AOS was only taking care of the first packet. So a lot of Rendez-Vous points were missing. With this version, AOS is now taking care of all the packets. Don't forget to refer to the Tech Tip section in order to know how to increase the number of Rendez-Vous point up to 255.		



PR	96220	Build:	5.1.5.259.R04
Summary:	OS6602 running on BPS only can reset and generate pmd file		
Explanation:	The Alcatel OmniSwitch 6602 may send wrong error messages regarding the Backup Power Supply (BPS) presence when running on BPS only (the main Power Supply is turned off). This can sometimes cause the switch to reboot.		
PR	99323	Build:	5.1.5.259.R04
Summary:	Issues with aggregating and redistributing local routes through RIP.		
Explanation:	RIP redistributes aggregate routes configured in boot.cfg after restart		
PR	98954	Build:	5.1.5.260.R04
Summary:	Switch crashed due to floating point error Exception IEEE-754		
Explanation:	The expression causing the floating point error is fixed by modifying the expression.		
PR	96782	Build:	5.1.5.261.R04
Summary:	Cannot open a telnet, ftp, ssh session on 6602 via 4024 connected over a Tag Giga fiber link		
Explanation:	OS6600 forwards/floods packets of sizes less than 64 bytes (runt packets) when packets come in as tagged and are forwarded as untagged. Added software fix for padding any runt frame, either received from an adjacent switch or which is generated from the switch itself. Also with the fix tagged packets generated locally from the switch are sent out with at least 68 bytes (inclusive of Ethernet FCS).		
Problems Fixed Between Builds 262 and 268			
PR	99634	Build:	5.1.5.263.R04
Summary:	System Crash if the character * is used at the end of an rcp command		
Explanation:	The use of "*" character in file system commands causing system crash is fixed.		
PR	99741	Build:	5.1.5.264.R04
Summary:	Saving the configuration and rebooting the switch causes 2 to 3 lines missing in the QOS portion.		
Explanation:	Buffer overflow scenarios for SNMP packets are not handled properly. Buffer overflow mechanism has been changed to handle this scenario.		
PR	99632	Build:	5.1.5.265.R04
Summary:	CLI unavailable after exiting telnet without answering to a confirm reload query		
Explanation:	If a telnet session is opened to an AOS switch (OS6 - OS7 – OS8) and the command "reload all in 1" is executed *without answering to the confirm query* the telnet application is closed, then the system seems to be locked. The switch seems to be able to switch correctly after the issue is reproduced but it is impossible to execute any software reload or takeover commands. Even some other CLI commands are impossible. This problem is due to synchronization issues with the MIP gateway task and other tasks which are involved during the command execution. This problem is resolved by introducing a 15 second timeout delay for the user confirmation and by detecting that the user session from where the command was executed has exited.		
PR	99814	Build:	5.1.5.266.R04
Summary:	linkagg are not recorded in the swlog files		
Explanation:	SWLOG messages has been added during trap generation of the Agg up/down and port join/leave events.		

PR **99915** Build: 5.1.5.268.R04
 Summary: MIPGW does not release Normal Pool Destination Application Buffers under particular telnet exit
 Explanation: Under certain telnet exit conditions on AOS switches on telnet sessions from where a reload command is executed and without providing a response for the reload confirmation the user abruptly ends the telnet application, then a single MIP IPC buffer is not freed properly and is lost. This problem is resolved by detecting such failure conditions in MIP gateway code and freeing up the buffers properly.

Problems Fixed Between Builds 269 and 276

PR **99886** Build: 5.1.5.269.R04
 Summary: NI Task suspended TaskName: talpni followed by NI reboot
 Explanation: Added invalid memory check at lower boundary of memPools

PR **100082** Build: 5.1.5.271.R04
 Summary: A LinkAgg port within an aggregate may prevent any traffic to be sent out or received after a reboot
 Explanation: Fix for resolving the racing condition os link agg events in NI STP module.

PR **98273** Build: 5.1.5.272.R04
 Summary: mac-Address of the PC gets cleared from the switch when DHCP-Request comes from a pc on a mobileport
 Explanation: Workaround Fix has been provided specific to this customer. When DHCP request is received with DA broadcast MAC, then MAC will not be deleted if that MAC is already learned through LWAPP packet (Protocol packet specific to this customer). One global variable needs to be set in nidbg to activate this fix.

PR **99913** Build: 5.1.5.272.R04
 Summary: Port manually set to forwarding mode goes into blocking on vlan disable and enable

PR **99735** Build: 5.1.5.273.R04
 Summary: SSH crash when commands with long output run on SSH session with slow link to switch
 Explanation: Under certain conditions when long show commands are issued on a ssh session, ssh task crash is observed and the switch reboots with a pmd. Avoided ssh crash by adding suitable defense checks in ssh software which validate a memory address before accessing it. Under conditions where an illegal pointer is being accessed the ssh session exits with a warning.

PR **99354** Build: 5.1.5.275.R04
 Summary: AOS switch doesn't recognize an OS6200 in AMAP neighborhood
 Explanation: OS6200 variants device identifiers have been properly defined in AOS for displaying the device name correctly.

PR **100453** Build: 5.1.5.275.R04
 Summary: Need debugging commands on 6600 Switch to understand the reason for the DNS query rejection
 Explanation: present authentication page for a known mac not yet authenticated

PR **92522** Build: 5.1.5.276.R04
 Summary: Show system recommends cleanup when it's not needed to do it
 Explanation: On an OS8800 running 5.1.6.R01, the "show system" command will recommend to cleanup the flash because there is little space remaining after the installation. This message is informational only, and cleanup is not mandatory.

Problems Fixed Between Builds 277 and 287

PR **100272** Build: 5.1.5.278.R04
 Summary: Impossible to modify NTP configuration - Internal Error returned by CLI
 Explanation: In some cases Address Family in received NTP packet was modified to AF_UNSPEC because of which sendto failures were encountered and NTP configuration was failing. Resolved sendto failures by avoiding change of address family for udp packets sent through the loopback interface.

PR **97746** Build: 5.1.5.279.R04
 Summary: Unexpected AMAP state changes on AOS
 Explanation: Slight delay in common timeout in order to avoid unnecessary generation of AMAP traps of STP blocked ports. Added 40 secs in Common timeout value.

PR **98786** Build: 5.1.5.279.R04
 Summary: tBgp and Gateway task stuck in loop- unable to process queries to bgp or routing protocols
 Explanation: Introduced a new debug cli command to set the value of l3hre_pcam_aging_cycle in NI

PR **100741** Build: 5.1.5.280.R04
 Summary: 7800: tDVMRP crash memory address not aligned
 Explanation: Check if Not-ok-to-Advertise THIS vlan (on other dvmrp branch vlans)

PR **100969** Build: 5.1.5.281.R04
 Summary: CPU spikes caused by TaGmnCtrl when changing VLAN port assignment
 Explanation: Issue is due to the task stuck up in the for loop for 2-3 seconds. So CPU hikes to 100% utilization. Proper defense checks are added for reducing the for loop. Now 100% CPU usage is avoided.

PR **100816** Build: 5.1.5.282.R04
 Summary: Request for new Certificate.

PR **99548** Build: 5.1.5.283.R04
 Summary: Interface uptime is wrongly displayed on AOS switches

PR **101176** Build: 5.1.5.283.R04
 Summary: AOS switches go to unsaved state when trap replay turned on OV

PR **100871** Build: 5.1.5.285.R04
 Summary: Apply OpenSSH patch.

Problems Fixed Between Builds 288 and 295

PR **98796** Build: 5.1.5.289.R04
 Summary: AOS switch is generating ICMP host unreachable when arp entry is not in the arp table

PR **101522** Build: 5.1.5.289.R04
 Summary: LSA from 64th neighbor not been programmed into the kernel routing table

PR **101753** Build: 5.1.5.291.R04
 Summary: 6800 Switch : Auth ip responding to Client DNS query before login

PR **102057** Build: 5.1.5.294.R04
 Summary: IP multicast packets 237.0.9.72 are not flooded over linkagg.

Problems Fixed Between Builds 296 and 304

PR **101991** Build: 5.1.5.297.R04
 Summary: Crashes on AOS switches after turning on IPMS

PR **96890** Build: 5.1.5.298.R04
 Summary: Dynamic ARP entry of the VIP not removed when a VRRP router becomes master
 Explanation: Delete the dynamic ARP entry for a vip when a static entry is being created, also resolve timing related problems in arp cache refresh events by adding a check in arp refresh handling whether a proxy arp entry already available for the vip.

PR **102196** Build: 5.1.5.299.R04
 Summary: ERROR: Flash Synchro command timed out

PR **101487** Build: 5.1.5.300.R04
 Summary: On OS68, IPMS is blocked when linkagg port disconnects

PR **102483** Build: 5.1.5.301.R04
 Summary: VRRP ARP entry not updated after removing one NI from a Link agg

PR **102999** Build: 5.1.5.302.R04
 Summary: Enhancement code for Data Exception

PR **99748** Build: 5.1.5.304.R04
 Summary: CLI lock up if the telnet session to the switch is lost when trying to read a pmd file
 Explanation: Mismatch between the MIB file & trap manager file is fixed

PR **101093** Build: 5.1.5.304.R04
 Summary: Core2 7800: Unsolicited takeover

Problems Fixed Between Builds 305 and 316

PR **102718** Build: 5.1.5.305.R04
 Summary: Renew AVLAN java applets

PR **103096** Build: 5.1.5.306.R04
 Summary: L3SrcUnicast L3DestBroad DHCP packets are not relayed if the L3 src is in the DHCP server network

PR **101577** Build: 5.1.5.307.R04
 Summary: The mac-address of the client shows up in the Avlan and Default Vlan even after getting de-authen.
 Explanation: Corrected Mac-address comparison for avlan client mac-address in a specific scenario.

PR	103644	Build:	5.1.5.308.R04
Summary:	Switch Crashed with only Crash.pmd		
PR	103955	Build:	5.1.5.309.R04
Summary:	AVLAN mac-address never aged out when PC is disconnected		
PR	102979	Build:	5.1.5.311.R04
Summary:	Unable to display switch log file in WebView		
PR	104290	Build:	5.1.5.311.R04
Summary:	Unable to ping across linkagg between 7700 and 9600 to the 9700		
PR	103093	Build:	5.1.5.312.R04
Summary:	After canceling the scheduled reload it affects the configuration status; Need fix.		
PR	102397	Build:	5.1.5.313.R04
Summary:	WebView is not displaying GNI2-U2 NI module		
PR	103192	Build:	5.1.5.314.R04
Summary:	System hung with crash file		
PR	104067	Build:	5.1.5.315.R04
Summary:	Corrupted multicast entries		
PR	102530	Build:	5.1.5.316.R04
Summary:	Last change value for vlan ip not displayed correctly in OmniVista.		
PR	104059	Build:	5.1.5.316.R04
Summary:	qos classify13 bridged causes the switch not to forward traffic after HSRP routers toggle		
Problems Fixed Between Builds 317 and 337			
PR	105737	Build:	5.1.5.318.R04
Summary:	"memPartAlloc: block too big" memory corruption with large STP configuration file		
PR	105775	Build:	5.1.5.318.R04
Summary:	OmniSwitch running DVMRP reporting "Recvd invalid mask "		
PR	105231	Build:	5.1.5.319.R04
Summary:	OS6600: Ping issue between two PCs connected to the switch		
PR	106142	Build:	5.1.5.319.R04
Summary:	the mac group policy doesn't work on a authenticated port		
PR	104054	Build:	5.1.5.320.R04
Summary:	Internal Error when executing "802.1x initialize slot/port" on non 802.1x ports		
PR	105880	Build:	5.1.5.322.R04
Summary:	Impossible to stack 6602-48: csHsmNsmT2EndAppliStart() receive EOAS		



PR	105907	Build:	5.1.5.323.R04
Summary:	OS8800 rebooted creating cs_system.pmd file.error Task: 0x5014f60 "UdpRly" seen in logs.		
PR	103952	Build:	5.1.5.324.R04
Summary:	Some VRRP instances failed to ping response when Primary CMM failover		
PR	105359	Build:	5.1.5.324.R04
Summary:	Huge volume of multicast traffic spikes the CPU TO 100 % with TTL value set to 1 in 6602		
Explanation:	Reduce IPMS processing for multicast data packets with IP ttl 1 which are sent to software for statistics purpose.		
PR	105862	Build:	5.1.5.328.R04
Summary:	Client cannot get an IP address if avlan default-traffic is enabled.		
PR	106984	Build:	5.1.5.330.R04
Summary:	When doing QoS shaping on external hardware ARPs are discarded due to "best effort" priority		
PR	100712	Build:	5.1.5.332.R04
Summary:	Adjacencies in WEB VIEW displays question mark for 6200 switch.		
PR	106509	Build:	5.1.5.332.R04
Summary:	AMAP information of Local Slot not displayed properly when using a SNMP Get command on MIB Browser		
PR	107618	Build:	5.1.5.335.R04
Summary:	OSPF Route not synchronized with IP routing table		
PR	103257	Build:	5.1.5.337.R04
Summary:	System timezone configured on any AOS switch is not stored in boot.cfg		

Problems Fixed Between Builds 338 and 359

PR	101853	Build:	5.1.5.340.R04
Summary:	When reading MIB entries a stack is handled as one chassis		
PR	96221	Build:	5.1.5.341.R04
Summary:	SFM down FABRIC: Awaiting enough UP Fabrics (#up=0)		
PR	94914	Build:	5.1.5.342.R04
Summary:	SNMP response sent twice for the first SNMP get		
Explanation:	Drop duplicate SNMP Request packet received in IPNI via the source learning path from the IXE2424 ASIC in the following particular case - when the destination IP is resolved and when the source IP is not yet resolved/learnt.		
PR	107864	Build:	5.1.5.344.R04
Summary:	Port shutdown when CPU reach a configured Threshold		
PR	108528	Build:	5.1.5.345.R04
Summary:	switch is not rechecking QOS policies when traffic path changes		

PR	108666	Build:	5.1.5.345.R04
Summary:	QoS "maximum bandwidth" limits bandwidth to values not accurate		
PR	108600	Build:	5.1.5.346.R04
Summary:	Lpower ->suspended on stack of 6600 and created dump file		
PR	107504	Build:	5.1.5.348.R04
Summary:	RMON not updating		
PR	108934	Build:	5.1.5.349.R04
Summary:	Telnet session ending issue		
PR	108028	Build:	5.1.5.350.R04
Summary:	OS-6648 QDRIVER alert qd efp: enet buffer alloc failure		
PR	93822	Build:	5.1.5.352.R04
Summary:	Connectivity Issue in 10G Links between OS8800s		
Explanation:	Problem was discovered to be pre-production release hardware, either the XFP or the 10G NI. Once all hardware that was below proper rev was replaced issues were resolved		
PR	109280	Build:	5.1.5.353.R04
Summary:	68xx new daylight saving time for March 11, 2007 compliance does not work. It would select March 4		
PR	107557	Build:	5.1.5.355.R04
Summary:	OS8800 - Switch crashed after adding new OSPF area into network. PMD files created.		
PR	109479	Build:	5.1.5.355.R04
Summary:	QoS running at 100%		
PR	109140	Build:	5.1.5.358.R04
Summary:	7700 uptime reset after 497 days		
PR	103274	Build:	5.1.5.359.R04
Summary:	Memory corruption under special telnet exit with "zcBufDelete: Task 0x4016020 freeing bad buffer (S)		
PR	109316	Build:	5.1.5.359.R04
Summary:	ssApp task is using/leaking up the file descriptors in OS88 and OS66xx		

Problems Fixed Between Builds 360 and 363

PR	110224	Build:	5.1.5.360.R04
Summary:	After link down - multicast source is not registering with PIMSM RP		



Under Verification:

PR **88438** Build: 5.1.5.325.R04
 Summary: IPNI task crash@'qDriverUpdateDebugBuffer' func.Buff double free issue. Reproduced once in 3 days

PR **108563** Build: 5.1.5.362.R04
 Summary: Unexpected takeover of CMM_B on a OS7700 with error exception -Floating-Point Exception IEEE-754

PR **110228** Build: 5.1.5.363.R04
 Summary: PIM-SM Crash

Known Issues:

PR **56387**
 Summary: L2 traffic: on untrusted ingress port, stamping 802.1p on egress results in zero, trusted ingress ok
 Explanation: Using Layer 2 traffic, on untrusted ingress ports, where Dest Mac condition with 802.1p is stamping or marking action, the 802.1p value is always set to zero. If the same ingress port is changed to trusted, the 802.1p value is stamped correctly. Same results for ENI and GNI. This is true for all Coronado based NIs (including Coronado 2 based NIs).
 Workaround: NONE.

PR **84780**
 Summary: WebView Ethernet General Modify Does Not Work on OS8800
 Explanation: In WebView, Physical > Ethernet > Interface Configuration > General "Modify" window might display a "Set operation finished successfully!" message and the changes not made to the table.
 Workaround: Use the "Multiple Modify" window and select the desired slot/port to perform the changes.

PR **85230**
 Summary: FPGA cannot be updated a second time without reloading, else get error 17
 Explanation: When a user does not follow the steps of the automated fpga update procedure and repeatedly issues the fpga update command, the update may be completed incorrectly.
 Workaround: Following the formal fpga update procedure recommended in the user's manual, users will not encounter this problem.

PR **86576**
 Summary: AMAP Adjacencies Remote Host Device field value sometimes shows **ERR("12")** or **ERR("204")**.
 Workaround: None

PR **86995**
 Summary: Built in port groups contain non-existent ports on 6624
 Explanation: Default port group, "Slot0X", for a 6624 contains 52 ports instead of 24, 26 or 28 ports.
 Workaround: Define and use a port group consisting of the 24, 26 or 28 ports existing on the 6624.



PR **87050**
 Summary: Health Monitoring fails to recognize all NIs after takeover. No health data for slot.
 Explanation: After a takeover, the "show health" command may not always display correct information for all slots.
 Workaround: There is no known workaround at this time.

PR **87051**
 Summary: All CLI sessions are hung if executing chassis cmd, when one session is in confirm reload prompt.
 Explanation: Reload prompt overrides all other session responses.
 Workaround: Prior to issuing reload or reboot, ensure all sessions are closed. Use kill command to remove other sessions. Do not issue reload or reboot prompt without fully committed to action.

PR **87148**
 Summary: Microcode information is ONLY relevant to the code present during system bootup or after install.
 Explanation: The show microcode command is only relevant to the version of software present at bootup time.
 Workaround: Once new software is installed, run install CLI command to update this information

PR **87417**
 Summary: One can modify built-in port group
 Explanation: User can modify the built-in port groups. But modifications may not be saved to the config, and the switch will boot-up with the default built-in port groups.
 Workaround: Do not modify the built-in port groups.

PR **87494**
 Summary: The Default value for "BPDU Switching" should be disabled on the WebView.
 Explanation: By default the BPDU Switching is disabled and the WebView page "Spanning Tree One to One Bridge Parameters" displays empty field. Only if a user modifies the bridge parameters and sets the BPDU Switching to Enable or Disable the values will be displayed in the table.
 Workaround: If the BPDU Switching field is empty, please treat it as disabled.

PR **87529**
 Summary: Graceful-Restart: OSPF task does not receive TAKEOVER event from DrcTaskManager on Secondary OS6800

PR **87612**
 Summary: OS6800 incorrect error message displayed when the password is greater than 47 characters
 Explanation: When the password for a user is longer than 47 characters, the error message "internal error" is displayed on the console.
 Workaround: Enter a password with length less than 47 characters.

PR **87642**
 Summary: Disabling AVLAN auth. on an 802.1x port & vice versa causes port auth to disable altogether
 Explanation: The CLI command to specifically disable 802.1x or AVLAN authentication on a port will disable either of the authentication options configured on the port.
 Workaround: None



PR	87865
Summary:	Task: 0x50bd790 "SsApp" Switch can crash when changing to a new Time Zone
Explanation:	Changing switch timezone causes double free of memory environment variable. Problem arises when multiple changes are made to timezone.
Workaround:	Do not make multiple changes of the system timezone setting.
PR	87876
Summary:	Switch will crash if you add a row or delete a row in RMON HistoryTable. (Stress Test RmonC)
Explanation:	If rows are rapidly added/deleted on the RMON history table, the switch may reload.
Workaround:	None.
PR	88192
Summary:	Decnet packets break Group Mobility
Workaround:	Problem only occurs when a Decnet frame hits the port before a frame that matches the GM rule.
PR	88606
Summary:	Quotes must be used for special character in a password and exclamation mark not allowed in password
Workaround:	There is no known workaround at this time.
PR	88640
Summary:	OV shows AOS devices as unsaved after taking backup
Explanation:	Setting the variable 'systemFileSystemDirectoryName' causes configuration status change
Workaround:	None
PR	90957
Summary:	MACs are not synch between CMM and NI after takeover
Explanation:	After takeover, sometimes MACs do not get in sync between CMM and NI. This can cause some unwanted flooding.
Workaround:	Applying the command no mac-address-table learned should fix the problem.
PR	92153
Summary:	QoS classifyl3 bridged and router on a stick causing routing issues when the same NI is used
Explanation:	When the switch is only bridging a packet that is routed by an external router, and when this routed packet has to go through the same NI from where it originated before reaching its final destination, the following symptom can be seen: If "QoS ClassifyL3 bridged" is enabled, the NI's HRE will learn the IP Source Address on two different ports, and therefore the packet will never reach its destination. Please refer to TechTip 2077 for more details.
Workaround:	Use a different NI to connect the external router, or disable "QoS ClassifyL3 bridged" on the switch. Please refer to TechTip 2077 for more details.
PR	92532
Summary:	Java applet is not launching after authentication if the proxy is enabled on the browser.
Explanation:	When the HTTP Proxy server is configured on the browser, the "aaa avlan dns name" only allows a single word i.e."WebView". A domain is not allowed i.e. WebView.com.
Workaround:	There is no known workaround at this time.



PR **93822**
Summary: Connectivity Issue in 10G Links between OS8800s
Explanation: Problem was discovered to be pre-production release hardware, either the XFP or the 10G NI. Once all hardware that was below proper rev was replaced issues were resolved

PR **95081**
Summary: "ip static-route" cli command is accepting metric values above 15.
Explanation: Documentation for IP-Static Route needs to be changed, as it has no relation to RIP.

PR **95256**
Summary: Documentation for Metric of Static Route needs to be corrected
Explanation: The user guides and WebView help incorrectly state that "static routes always have priority over dynamic routes". The user guides and WebView help should state that "Static routes have priority over dynamic routes regardless of the metric value."
Workaround: There is no workaround at this time.
