



Intermediate Release Notes

OmniSwitch 9xxx, 6800 & 6850

Release 6.3.1.1176.R01

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-Lucent's Technical Support Department.

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Problems Fixed Between Builds 872 and 884

PR	117984	Build:	6.3.1.873.R01
Summary:	9000 causing loop and duplicating traffic		
PR	118649	Build:	6.3.1.873.R01
Summary:	The multicast flow from the ingress port can be seen and the flow from the egress port cannot be seen		
PR	119447	Build:	6.3.1.873.R01
Summary:	msti port stay blocking		
PR	119650	Build:	6.3.1.873.R01
Summary:	OS6800 switch setting speed to 232 automatically and showing error on boot		
PR	115325	Build:	6.3.1.874.R01
Summary:	OS9800 running code 6.1.3.785R01 crashed generating a pmd files.		
PR	116887	Build:	6.3.1.875.R01
Summary:	Ping times out for larger period over a static linkagg across two stack of 6850		
PR	117465	Build:	6.3.1.875.R01
Summary:	OS9700: After upgrade from 6.1.3.838.R01 to 6.1.3.874.R01 a LED on GNI-U24 is on even without GBIC.		
PR	118389	Build:	6.3.1.875.R01
Summary:	Primary CMM kept on resetting running code 615.506.r01		
PR	118527	Build:	6.3.1.875.R01
Summary:	OS6850 not forwarding PIMSM traffic after BSR failover		
PR	118750	Build:	6.3.1.875.R01
Summary:	Messages to Syslog server do not use Loopback0 as IP-SRC		
PR	118969	Build:	6.3.1.875.R01
Summary:	Need granularity flag to perform subsecond converge in VRRP tracking		
Explanation:	Use "debug set vrrpTrackEchoGranularity xx" where xx is either 1, 10, or 100 to change the granularity of vrrp remote address tracking. 1 represents seconds, the default value. 10 represents tenths of a second, which is currently is as fast as we can go		



PR	119376	Build:	6.3.1.875.R01
Summary:	Closest IP instead of loopback0 is used to establish the communication switch-policy server.		
PR	119430	Build:	6.3.1.875.R01
Summary:	Show policy classify command showing incorrect matches on OS6850 switch running 6.1.5.506R01		
PR	119451	Build:	6.3.1.875.R01
Summary:	swlogs filled with "CSM-CHASSIS alert == CSM == Validate SecondaryN value=1" every 5 seconds		
PR	119457	Build:	6.3.1.875.R01
Summary:	Some packets are not DSCP stamped when log is enabled on DSCP rule		
PR	119458	Build:	6.3.1.875.R01
Summary:	DHCP broadcast with source ip 0.0.0.0 are treated as spoofed packet in OS6850 UserPorts.		
PR	119646	Build:	6.3.1.875.R01
Summary:	OS9800 switch running 6.1.5.479 R01 when acting as s DHCP client does not add Default Gateway.		
PR	119901	Build:	6.3.1.875.R01
Summary:	NO ECHO Reply seen on the port		
PR	113645	Build:	6.3.1.876.R01
Summary:	talpni task stuck at 100%		
PR	117948	Build:	6.3.1.876.R01
Summary:	68xx does not send LSA ACK for the LS Update got from DR, this in turn flaps the OSPF network		
Explanation:	OSPF packets with length 260 dropped in qDisp due to invalid check done for AVLAN tcp ports -- packets with length 259 - 262 will drop.		
PR	118991	Build:	6.3.1.876.R01
Summary:	OSPF: Default route disappears from "show ip route" while it is still in "show ip ospf route"		
PR	119427	Build:	6.3.1.876.R01
Summary:	Static dhcp-snooping binding table entries on 6850 are getting flushed when PC is disconnected and PC cannot access the network after reconnecting		



PR	119759	Build:	6.3.1.876.R01
Summary:	IP source filter not working on mobile port when we have VLAN-Level DHCP snooping.		
PR	119926	Build:	6.3.1.876.R01
Summary:	Multicast routing traffic doesn't go through, caused by static linkagg or dynamic linkagg		
Explanation:	Pass the actual primary port wherever we have proper aggId from VMC and update primary port on linkagg configuration		
PR	119987	Build:	6.3.1.876.R01
Summary:	OS6850 / OS9000 - Command log doesn't work with 631R01 code version.		
PR	118816	Build:	6.3.1.877.R01
Summary:	Takeover with 802.1x enabled takes too long		
PR	119693	Build:	6.3.1.877.R01
Summary:	Unable to see any Jumbo Frames accounting counters on 6850		
PR	118827	Build:	6.3.1.878.R01
Summary:	Attribute value pair in the accounting packet does not conform to the TACACS+ "Standard".		
PR	119686	Build:	6.3.1.880.R01
Summary:	Unable to create static route for supernet entry		
PR	120136	Build:	6.3.1.880.R01
Summary:	WebView on stack of OS6850 shows wrong information about power		
PR	115499	Build:	6.3.1.882.R01
Summary:	SNMP "get" returns wrong values for some AOS mibs		
PR	119839	Build:	6.3.1.882.R01
Summary:	Power outage to the equipment which is less than a sec makes 6850 console hang		
PR	118981	Build:	6.3.1.883.R01
Summary:	"Show ip bgp path neighbor-rcv 142.165.3.9" display unknown object type		
PR	119328	Build:	6.3.1.883.R01
Summary:	PC traceroute to the wrong BGP interface and sometimes display "not a swroot" error message.		



Problems Fixed Between Builds 885 and 938

PR	120130	Build:	6.3.1.885.R01
Summary:	OSPF V3 passive interface		
PR	101320	Build:	6.3.1.886.R01
Summary:	Default dispositions do not function after reboot		
PR	109112	Build:	6.3.1.886.R01
Summary:	NTP configuration information is not displayed when we do "show configuration snapshot ntp"		
Explanation:	NTP configuration information is not displayed with the "show configuration snapshot ntp" command		
PR	118093	Build:	6.3.1.886.R01
Summary:	Loopback0 is not part of network group Switch		
PR	119386	Build:	6.3.1.886.R01
Summary:	7700/6800 switch processing the unicast arp reply not destined for it.		
Explanation:	Block ARP reply packets which are not destined for switch configured IP interfaces, upon request.		
PR	119895	Build:	6.3.1.886.R01
Summary:	OS 9800 running on 6.1.3.838.R01 crashed and generated Dump files.		
Explanation:	Fix to avoid corrupting one byte of next block while configuring vlan tag description		
PR	120277	Build:	6.3.1.888.R01
Summary:	netsec trap does not contain ingress or egress information		
PR	120118	Build:	6.3.1.890.R01
Summary:	OS6850- LPS feature issue with the violation SHUTDOWN not working properly		
PR	118864	Build:	6.3.1.892.R01
Summary:	SNMPagt crashed need dump analysis		
PR	120605	Build:	6.3.1.892.R01
Summary:	Slow MSTP convergence caused by low txholdcount default value		
Explanation:	The Transmit Hold Count is used by the Spanning Tree Port Transmit state machine to limit transmission rate of BPDUs. We are finding problems with convergence values when more number of MSTP instances are configured. It was found that because of the txHol		

PR	120740	Build:	6.3.1.895.R01
Summary:	IGMPv3 is not fully SSM-aware as per RFC 4604		
PR	119893	Build:	6.3.1.896.R01
Summary:	If RADIUS server returns bogus value in "Alcatel-Lucent-Asa-Access" flag the CPU is going to 100%.		
PR	120625	Build:	6.3.1.897.R01
Summary:	NTP agent can't read /network/ntp.keys authentication file		
Explanation:	NTP Would read the /network/ntp.keys files after boot up.		
PR	120761	Build:	6.3.1.897.R01
Summary:	DHCP snooping binding table includes information from another switch.		
PR	120527	Build:	6.3.1.898.R01
Summary:	Customer's request for change in port mapping Notification		
PR	120832	Build:	6.3.1.898.R01
Summary:	IGMP query is pad with non-zero ethernet trailer causing certain igmp client not to send report		
PR	120268	Build:	6.3.1.899.R01
Summary:	OS6850 running on code 6.1.3.907R01 showing wrong system timezone for BST in CLI.		
Explanation:	Added support for known UTC abbreviations for Timezone configuration page.		
PR	120898	Build:	6.3.1.900.R01
Summary:	Flood rate setting in 10G cards is not working correctly		
PR	120782	Build:	6.3.1.903.R01
Summary:	Unexpected switch reboot		
PR	120922	Build:	6.3.1.903.R01
Summary:	Unable to forward bootp relay using per vlan mode over management svlan		
PR	120594	Build:	6.3.1.904.R01
Summary:	4th module of OS6850 running on 6.1.3.805.R01 got rebooted with the dump file in a stack of 6 switch		
PR	120744	Build:	6.3.1.904.R01
Summary:	LS command show strange character string -- caused by SFTP unclosed		
Explanation:	Using SFTP crashes the switch if socket is not closed properly. Problem is with File Descriptor running out of buffers		



PR	120915	Build:	6.3.1.905.R01
Summary:	Slow avlan authentication, ip reassigning using window vista client		
Explanation:	We currently Support Java- SE Runtime Environment 6 update 3. Java version 1.6.0_03 jre-6u3-windows-i586-p-s.exe		
	Notes: Other Java versions may not have been tested and nor supported.		
PR	120335	Build:	6.3.1.906.R01
Summary:	It takes long time for Windows Vista Avlan client to download the java applet after web authenticati		
Explanation:	We currently Support Java- SE Runtime Environment 6 update 3. Java version 1.6.0_03 jre-6u3-windows-i586-p-s.exe Notes: Other Java versions may not have been tested and nor supported.		
PR	117499	Build:	6.3.1.907.R01
Summary:	AOS 6.1.3.838.R01 - NI Monitoring timeout - Please analyze dump files and fix		
PR	120008	Build:	6.3.1.907.R01
Summary:	If RADIUS server returns long string in "Alcatel-Lucent-Asa-Access" flag the switch is rebooting.		
PR	120109	Build:	6.3.1.907.R01
Summary:	CMM crashed due to exception in STP task		
Explanation:	Check added to avoid crash during SNMP walk on STP tables.		
PR	118662	Build:	6.3.1.908.R01
Summary:	6602 Idle Unit Crashed During Flash Synchro		
PR	121275	Build:	6.3.1.908.R01
Summary:	"show policy classify" command doesn't work		
PR	121246	Build:	6.3.1.910.R01
Summary:	Command incorrectly stored in boot.cfg.		
PR	113484	Build:	6.3.1.911.R01
Summary:	TX Loss Frame incrementing on STP block port.		
Explanation:	Change the way counters are retrieved and displayed		

PR	120433	Build:	6.3.1.911.R01
Summary:	Unable to synchronize stack after a stack element is removed from the topology		
Explanation:	The fix involves having all stack elements close any control connections to a remote slot that has been determined as down		
PR	121226	Build:	6.3.1.911.R01
Summary:	vlan enable causes slow initialization of ip interface in vlan context		
Explanation:	Added a check for vlan -port binding before updating the linkagg VPA		
PR	121253	Build:	6.3.1.914.R01
Summary:	Configuration apply doesn't execute write memory		
PR	121364	Build:	6.3.1.915.R01
Summary:	PoE doesn't come up for combo ports with "hybrid preferred-fiber"		
Explanation:	Corrected PoE behavior broken by PR 119008 so that PoE is enabled for the default "preferred-fiber" configuration of hybrid ports, as in 6.1.3.R01		
PR	119173	Build:	6.3.1.916.R01
Summary:	NMAP TCP scan showed port 111 is open		
PR	121272	Build:	6.3.1.916.R01
Summary:	6850: Switch crashes if "dir" command is executed with wrong parameter		
PR	121356	Build:	6.3.1.916.R01
Summary:	No longer possible to open a new file or to change the directory		
PR	118970	Build:	6.3.1.917.R01
Summary:	Need granularity flag to perform subsecond converge for OSPF timers		
Explanation:	Current implementation limits the OSPF timer to magnitudes of seconds. Customer requirements are becoming more aggressive and expect to achieve convergence time within a second.		
PR	121276	Build:	6.3.1.917.R01
Summary:	OSPF P2P connections: higher cost interface used instead of lower cost		
PR	120538	Build:	6.3.1.918.R01
Summary:	Seeing taUdpRelay Memory leak after 8 days of operations		
PR	121145	Build:	6.3.1.918.R01
Summary:	Unable to set a LACP port as NOPTP connection type on OS6850		
PR	121290	Build:	6.3.1.918.R01
Summary:	Wake on Lan on 802.1x port not work properly on OS6800 running 6.3.1R01.		
Explanation:	Fixed the issue in opening the egress logic of a 802.1x enabled port		

PR	121460	Build:	6.3.1.919.R01
Summary:	Need a "show linkagg <ID#> ports" command		
PR	121586	Build:	6.3.1.919.R01
Summary:	The dhcp snooping binding table doesn't display binding information		
PR	121554	Build:	6.3.1.920.R01
Summary:	OS 9800 running with code 6.3.1.894R01,QoS failed to initialize		
PR	121438	Build:	6.3.1.921.R01
Summary:	Radius agent not to use loopback0 address as its source interface when it's present		
Explanation:	Use Loopback0 Address as source IP for radius agent packets, if Loopback0 Address is configured.		
PR	121585	Build:	6.3.1.921.R01
Summary:	RRSTP config vanish after reload or takeover on 6850 and 9700.		
PR	121507	Build:	6.3.1.922.R01
Summary:	"show policy classify l2" command doesn't work		
PR	121652	Build:	6.3.1.923.R01
Summary:	DHCP Snooping does not check option82 integrity		
PR	121647	Build:	6.3.1.924.R01
Summary:	"vlan 22 mobile tag enable " not working as expected on 6850		
PR	121677	Build:	6.3.1.925.R01
Summary:	Duplicate LPS MAC entries on 9000.		
PR	121736	Build:	6.3.1.926.R01
Summary:	Stacking error message on the console during boot-up of a stack of 6850 running 6.3.1.R01		
PR	120874	Build:	6.3.1.929.R01
Summary:	First packets of multicast flow lost when IPMS not activated		
PR	121685	Build:	6.3.1.930.R01
Summary:	vstk task gets suspended upon out of range SAP ID is used		
PR	121943	Build:	6.3.1.930.R01
Summary:	OS6850-U24X stack generating "memPartAlloc" errors when configuring 95th SVLAN user-customer-port.		



PR	121871	Build:	6.3.1.931.R01
Summary:	Crash dump analysis 6850 stack unit 2		
PR	121434	Build:	6.3.1.932.R01
Summary:	OS6850: Upgrade issues in a stack of 6 from 6.1.3.805.R01 to 6.3.1.904.R01		
PR	120738	Build:	6.3.1.938.R01
Summary:	Non-contiguous mask in a static route getting changed in "Show ip route".		
Explanation:	Validation done to check non contiguous mask in a static route.		
PR	122147	Build:	6.3.1.938.R01
Summary:	The range of trap ids configurable in one line is limited in AOS		
Explanation:	Allow configuring maximum traps defined in the system for filter in a single command		

Problems Fixed Between Builds 939 and 958

PR	92723	Build:	6.3.1.941.R01
Summary:	No indication when an echo request times out		
Explanation:	Ping timeout indication 'T' displayed when the ping request times out.		
PR	108776	Build:	6.3.1.941.R01
Summary:	OS6850 stack crash: Invalid Address used during a memory free (0x904c340).		
Explanation:	Defense checks were added to prevent race conditions for freeing fds		
PR	122231	Build:	6.3.1.941.R01
Summary:	Cannot configure more than 10 ip udp relay instances on 6850 running 6.3.1.931r01 and 6.1.5R01		
Explanation:	Increased the total number of UDP relay services supported to 32 which includes 7 standard UDP services and 25 other User UDP services.		
PR	122148	Build:	6.3.1.943.R01
Summary:	LLDP trap "lldpRemTablesChange" is always enable		
Explanation:	Send lldpRemTablesChange trap only when chassis notification is enabled		
PR	122482	Build:	6.3.1.943.R01
Summary:	OS6850: Missing configuration lines in a stack of eight units when using 192 svlan user-ports		
Explanation:	Flag reset to handle MIP OVERFLOW properly in vlan stacking snapshot		
PR	120231	Build:	6.3.1.945.R01
Summary:	Invalid Checksum in Power Supply 2 EEPROM Data		
Explanation:	Reducing severity of incorrect Power supply checksum message to debug1		



PR	120836	Build:	6.3.1.947.R01
Summary:	Messages are not being sent to Swlog Server when swlog remote command-log is enabled		
Explanation:	Ensure that when command log AND remote log are enabled that the command is being sent to the syslog server		
PR	120268	Build:	6.3.1.948.R01
Summary:	OS6850 running on code 6.1.3.907R01 showing wrong system timezone for BST in CLI.		
Explanation:	Added support for known UTC abbreviations for Timezone configuration page.		
PR	120581	Build:	6.3.1.949.R01
Summary:	User authentication failed using LDAP server		
Explanation:	Use nonblocking LDAP API calls to avoid lockup between the LDAP Main task and the LDAP client task.		
PR	121968	Build:	6.3.1.950.R01
Summary:	ARP broadcast doesn't pass thru via DSLAM, when the arp originated from switch to maintain the table.		
Explanation:	Code changes to send unicast ARP during REFRESH logic for a customer specific issue. To enable this feature we need to set the flag ipedrSendArpUnicast to 1 in AlcatelDebug.cfg. By default this feature is disabled.		
PR	122530	Build:	6.3.1.950.R01
Summary:	LPS is not working with a port authenticating by 802.1x supplicant		
Explanation:	Fix to validate with LPS before adding MAC to LPS port		
PR	122689	Build:	6.3.1.952.R01
Summary:	OS6850: The output of "show microcode" is not "ALUnized"		
Explanation:	Changed the value of the variable lclAlaBuf to Alcatel-Lucent		
PR	122486	Build:	6.3.1.953.R01
Summary:	Dump analyses for 6850.		
PR	122686	Build:	6.3.1.954.R01
Summary:	OS6850 running AOS 6.3.1.949.R01 crashing during boot-up after upgrade from older build or newfs		
PR	122713	Build:	6.3.1.954.R01
Summary:	Router-id change is not updated in ospf p2p interfaces doesn't get updated or tracked		
Explanation:	Router-Id of the neighbor will get updated when there is any change in the hello packet obtained from the same for P2P interfaces also.		



PR	122723	Build:	6.3.1.954.R01
Summary:	ERROR: Route Map can not be in use while modifying		
PR	121675	Build:	6.3.1.955.R01
Summary:	Command: "show interface slot/port" on combo-ports shows wrong information		
PR	122687	Build:	6.3.1.955.R01
Summary:	A lot of "LLDP warning lldpProcessPortIdTLV: Port ID TLV length 2 invalid" messages seen on OS9700		
Explanation:	Validation of Port TLV length of LLDP PDU changed properly.		
PR	122791	Build:	6.3.1.956.R01
Summary:	Dump Analysis After SAP Creation with > 1024		
Explanation:	System crashes if the SAP id is given outside the range 1-1024.		
PR	121621	Build:	6.3.1.958.R01
Summary:	OS6850 running on 6.1.3.907.R01 crashed and generated PMD.		
Explanation:	While running traceroute command, Crash pmd was generated when the session times out. Introduced an error condition check to return from the function in case of invalid value to prevent the crash.		
Problems Fixed Between Builds 959 and 975			
PR	122226	Build:	6.3.1.959.R01
Summary:	OS6850 running code version 6.3.1.894R01 in stand alone mode rebooted and generated pmd files		
Explanation:	Data access exception occurred & defense check added in the VxWorks api.		
PR	122456	Build:	6.3.1.959.R01
Summary:	6800 connected to 6200, link flaps when connected Tx first and Rx next.		
Explanation:	Modified break link timer for autoneg to 5 ticks for 6600 to prevent toggling.		
PR	122764	Build:	6.3.1.959.R01
Summary:	The default flood rate on 10Gigabit interface is incorrectly defined.		
Explanation:	Handled the 10Gig port Configuration of Default Flood Rate Limit in OS6850.		
PR	122800	Build:	6.3.1.960.R01
Summary:	Multicast QoS policy applies to IGMP query and PIM/DVMRP packets.		
Explanation:	Multicast policies should also apply to query packets, DVMRP probes, and PIM hellos. This prevents snooping switch from creating state for those msgs		
PR	122814	Build:	6.3.1.961.R01
Summary:	Takeover failure in stack of 3 due to LLDP task.		
Explanation:	Handling takeover in LLDP properly		



PR	122457	Build:	6.3.1.962.R01
Summary:	6800 stack halted power cycled to recover the switch no PMD.		
Explanation:	An invalid file descriptor is accessed causing an exception and suspending the telnet task. A defensive fix has been provided that checks the validity of the file descriptor before accessing it.		
PR	122835	Build:	6.3.1.962.R01
Summary:	Using webview to view MSTP port info gives the vlan-id# instead of MSTI-id# in the MSTI column		
Explanation:	Filtered the MSTI table based on both bridge mode and MSTI ID. Previously only bridge mode was filtered. Now code changes done filter MSTI ID as well depends on the configuration.		
PR	122846	Build:	6.3.1.962.R01
Summary:	PBR issue - "qosSetupFB 2348:qosFBSetAction failed for rule 0" error msg		
Explanation:	Allow Policy Based Routing rule along with log in hardware		
PR	122792	Build:	6.3.1.964.R01
Summary:	Incorrect LPS behavior during Violation mode as SHUTDOWN.		
Explanation:	Prevented flushing static macs from LPS table on an LPS port shutdown.		
	When the port is made link down-up, reset LPS state for the port, since violation on that port is already cleared from ESM.		
PR	122891	Build:	6.3.1.964.R01
Summary:	"lldpProcessLldpdu: Error processing LLDPDU, TLV type Organization Specific" messages on OS6850.		
Explanation:	Check for InventoryTLV subtype value changed properly while processing organization specific TLV.		
PR	122893	Build:	6.3.1.965.R01
Summary:	Mobile tag functionality issue with vlan 4094		
Explanation:	Increasing the size of the bit vector array to 128 and parsing the array to maintain the mobile tag functionality in vlan 4094.		
PR	121735	Build:	6.3.1.966.R01
Summary:	Need ability to source ntp agent to use specific ip interface to source its update requests		
Explanation:	Enhancement to provide options for configuring source IP of NTP packets from CLI.		
	1.NTP CLIENT PREFERED DEFAULT		
	- Takes in the vlan configured IP interface if no loopback0 address is defined. Otherwise takes the loopback0 address.		
	2.NTP CLIENT PREFERED NO-LOOPBACK0		
	- Takes the vlan configured IP even if the loopback0 is defined.		
	3.NTP CLIENT PREFERED <num.num.num.num>		
	- Takes the user defined IP address 'num.num.num.num' given through CLI.		



PR	121741	Build:	6.3.1.966.R01
Summary:	6850: Faulty boot.cfg is crashing the switch during boot-up process		
Explanation:	Both line feed and carriage return are checked during boot.cfg parsing		
PR	122340	Build:	6.3.1.966.R01
Summary:	Maximum ingress-bandwidth does not limit bandwidth as per QoS config on OS6850 - 6.3.1.928.R01		
Explanation:	There is no provision to give depth value in QoS ingress bandwidth command. Depth is needed to give appropriate bandwidth profiling. Added code to assign depth value to rate limit value transparently.		
PR	121252	Build:	6.3.1.967.R01
Summary:	Adding ip interface doesn't affect the configuration state of the running config		
Explanation:	Configuration changes through "ip" commands are reported to affect the running configuration state.		
PR	101253	Build:	6.3.1.968.R01
Summary:	Webview task is running at 100% when logging using http		
Explanation:	When an AVLAN client connects from a PC running Windows Vista, there might be a CPU spike in the switch or in the Windows PC. Also the webview pages might take a long time to download. In such situations the value of the flag 'taskdelaytransmitpend' should be set to 1 either in dshell		
	dshell->taskdelaytransmitpend=1		
	or should be given in AlcatelDebug.cfg file (placed in /flash/working) as debug set taskdelaytransmitpend 1 and the switch should be rebooted.		
PR	122870	Build:	6.3.1.968.R01
Summary:	log interval 0 does not work when first configured.		
Explanation:	log interval' keyword in 'policy rule' command is replaced by 'log-interval' - in order to differentiate between 'enabling rule logging' and 'setting log interval'		
PR	122879	Build:	6.3.1.968.R01
Summary:	Modified DHCP discover crash OS6850 when DHCP snooping enable		
PR	122877	Build:	6.3.1.969.R01
Summary:	Static ARP command binds with slot and port; when the slot and port not specified.		
Explanation:	Fix mac move issues for a static ARP configured without port information.		
PR	121542	Build:	6.3.1.970.R01
Summary:	arp entry does not show up in OS9700 going to a OS6850		
Explanation:	Set the high gig ports to all vlans in fabric on init. Discard fabric vpa update messages and vlan table synchronization between fabrics on dual CMM.		



PR **122332** Build: 6.3.1.970.R01
 Summary: write memory flash-synchro request for exit confirmation even though no config were change
 Explanation: Made changes to "write memory flash-synchro" command so that there will be no exit confirmation when user exits after executing this command.

PR **122886** Build: 6.3.1.970.R01
 Summary: Route-map names with space in between disappear after switch reload.
 Explanation: Include processing of quotes and spaces in routemap name configuration.

PR **123094** Build: 6.3.1.971.R01
 Summary: 6850 Crashed after using Nesuss networking security scanning software.
 Explanation: The ssh packets with invalid length are dropped instead of continue processing them and thus preventing the switch crash.

PR **120821** Build: 6.3.1.972.R01
 Summary: Qualys Security Scanning on the network caused OS 9700 core switches to Freeze.
 Explanation: Problem is caused when tt is dumped on the console as part of debugs added in malloc(0). A new flag is introduced to enable / disable this tt dumping as required. This is just a workaround.

PR **123052** Build: 6.3.1.974.R01
 Summary: show spantree cist ports displays wrong primary port for linkagg
 Explanation: Changes done to display the primary port field correctly for linkagg ports in "show spantree cist ports active" cmd

PR **123151** Build: 6.3.1.974.R01
 Summary: Query-interval parameter is not properly load at the boot
 Explanation: Include eocic checks on Query interval to avoid invalid comparison on boot up when Query interval and Query response interval are changed.

PR **123159** Build: 6.3.1.974.R01
 Summary: 6850 reboots after scanning it using Qualys
 Explanation: To fix Emweb server crash when the QualysScan tool is used to scan the switch.

Problems Fixed Between Builds 976 and 999

PR **121816** Build: 6.3.1.976.R01
 Summary: After upgrade from 6.1.3 to 6.3.1, DHCP GM rule doesn't work after 802.1x supplicant authentication.
 Explanation: Support of DHCP port rules in Onex ports in controlled environment.



PR	119874	Build:	6.3.1.979.R01
Summary:	1 hr max CPU value not showing correct value on OS7800		
Explanation:	Code changed to display the 1 hr max value correctly in "show health" output and to display the "1 hr max value" array as part of "debug health cpu" cmd		
PR	123219	Build:	6.3.1.981.R01
Summary:	Pim redundancy is not working properly when shutting down BSR and RP		
Explanation:	Update IGMP information on RP rehash		
PR	122439	Build:	6.3.1.982.R01
Summary:	Recommend flash clean comment need to be adjusted.		
Explanation:	The "show system" command will recommend to cleanup the flash because there is little space remaining after the installation. This is informational only.		
PR	123380	Build:	6.3.1.983.R01
Summary:	DHCP does not relay to the 2nd DHCP server		
Explanation:	The agent information value i.e, option 82 is checked only once prior to all the DHCP servers configured. Previously it was checked for all the servers separately.		
PR	123551	Build:	6.3.1.983.R01
Summary:	"ERROR: Invalid entry: "flat"" in the boot.cfg.1.err file		
Explanation:	Changes done to accept 'flat' and '1x1' options ['ethernet-service svlan <vid. 1x1 stp disable flat stp disable'] through a single command in CLI.		
PR	120592	Build:	6.3.1.984.R01
Summary:	With OS 9700 wrong slb probe configuration in boot.cfg		
Explanation:	Comparison of SLB Timeout Value with the SLB Probe value during boot-up.		
PR	123708	Build:	6.3.1.985.R01
Summary:	FTP authentication failed.		
Explanation:	Ignore authentication only if user is NI		
PR	123698	Build:	6.3.1.987.R01
Summary:	MIB2-Entity implementation of 6.3.1.R01 is not RFC 2037/2737/4133 compliant		
PR	123710	Build:	6.3.1.987.R01
Summary:	9800 switch not creating ARP entry for pc		
Explanation:	Incomplete ARP entries may be created in the switch if the number of ARP requests per second is greater than 6K pps.		



PR	123497	Build:	6.3.1.989.R01
Summary:	We need a way to modify the BSR expiry timer and the RP expiry timer in PIM		
Explanation:	Modify CRP Holdtime on CRP advertisement interval change. Update IGMP information on DR timeout for lesser convergence.		
PR	124139	Build:	6.3.1.989.R01
Summary:	"show configuration status" o/p incorrect after bpdu rx on 802.1x mobile port		
Explanation:	Fix to update the configuration status of the NI and the CMM when the mobile port becomes fixed port upon receiving BPDU. The change will not happen when ignore BPDU setting is enabled for the port.		
PR	122982	Build:	6.3.1.990.R01
Summary:	Activation of Dhcp-Snooping in a vlan make the port mapping bypassed		
Explanation:	Fix done to block traffic between port mapping user ports, when the packets are flooded from software.		
PR	122143	Build:	6.3.1.991.R01
Summary:	OmniVista connects to a device which does not have "aaa authentication snmp local" configured		
Explanation:	Clear the buffer before sending the auth request to AAA		
PR	107864	Build:	6.3.1.992.R01
Summary:	Port shutdown when CPU reach a configured Threshold		
PR	123767	Build:	6.3.1.992.R01
Summary:	OS9-GNI-C48T, We notice that if the cable is 86 meters above, PC negotiate to 100M instead of 1000M		
Explanation:	Debug CLI command added for configuring highpower & low power mode in OS_GNI_C48T boards.		
PR	124132	Build:	6.3.1.993.R01
Summary:	Prepend values are not displayed for the Secondary IP of the vlan		
Explanation:	Check for Number of AS Prepend when Queued attribute found for route		
PR	120111	Build:	6.3.1.994.R01
Summary:	STP showing Disabled in Webview		
Explanation:	WebView VLAN > STP, changed vlanStpStatus to respective vlan1x1StpStatus and vlanflatStpStatus in the 1x1 Bridge and Flat Multiple Bridge pages.		
PR	123557	Build:	6.3.1.994.R01
Summary:	Command "ethernet-service sap 1 cvlan 2-4094" generates SYSTEM info messages.		
Explanation:	Limiting the number of cvlans while configuring the sap service on a UNI port in accordance with FFP limitation.		



PR	124192	Build:	6.3.1.994.R01
Summary:	SSH session does not allow to enter new password when User Password Expires		
Explanation:	Fix to prompt the SSH user to enter the new password when the old password is expired		
PR	124454	Build:	6.3.1.994.R01
Summary:	Allows all asterisks in the password for 6850 and 9000 Switches		
Explanation:	Password with all asterisks is not allowed for a user while changing the password		
PR	124092	Build:	6.3.1.995.R01
Summary:	Loopback interface being advertised by OSPF even though redistribute is not enabled		
Explanation:	Advertisement of Loopback0 will be controlled by a flag for the customer. Customer Specific		
PR	124342	Build:	6.3.1.996.R01
Summary:	memPartAlloc error after issuing show configuration snapshot all on 6850		
Explanation:	MIP overflow issue handled properly to avoid the memPartAlloc error issue after show configuration snapshot.		
PR	123016	Build:	6.3.1.997.R01
Summary:	Analysis of the automatic takeover on OS9700 generating boot error file		
Explanation:	Enhancement for capturing lost log messages		
PR	124504	Build:	6.3.1.997.R01
Summary:	Unable to do write memory through WEB UI in OS6850		
Explanation:	Identification of OS6850 Chassis is modified to extract from Stack Index		
PR	122437	Build:	6.3.1.998.R01
Summary:	qDispReleaseHWBuffer(34): unit = 173 is wrong, taskId = 0x695b058		
Explanation:	Update the return values of bcm transmission properly		
PR	124652	Build:	6.3.1.998.R01
Summary:	linkagg 10Giga port with SVLAN goes blocking after reboot		

Problems Fixed Between Builds 1000 and 1023

PR	124294	Build:	6.3.1.1000.R01
Summary:	It takes more than 3 sec for a blocked port to transition into forwarding state using rrstp		
Explanation:	Prevent deactivation of IP interface if all linkAgg VPAs of an authenticated VLAN go to non forwarding state.		



PR	124528	Build:	6.3.1.1000.R01
Summary:	10 gig link went to blocking on OS9800 after upgrading to 6.3.1.958.R01 from 6.1.3.838.R01		
Explanation:	Upon configuration 10G interop command on an OS9xxx switch, BPDUs will be sent with VLAN tagged in it.		
PR	124616	Build:	6.3.1.1000.R01
Summary:	Unable to relay properly UDP broadcast packets to a VLAN		
Explanation:	The congestion in the data traffic is handled correctly to provide uninterrupted relay of UDP broadcast packets to a VLAN.		
PR	124783	Build:	6.3.1.1000.R01
Summary:	An elected querier doesn't provide any information about the elected querier		
Explanation:	Querier information is displayed in the elected querier with port as CPU and the life time as the query interval.		
PR	125250	Build:	6.3.1.1002.R01
Summary:	Unable to reboot switch when flash is full and no warning is send to SSH session		
Explanation:	User will be notified of the low flash space while trying to reboot the switch in the respective CLI session.		
PR	123086	Build:	6.3.1.1003.R01
Summary:	Issue with the file : dhcpBind.db after a switch reload		
Explanation:	Binding persistency option is enabled. The below CLI will activate the persistency mode. ip helper dhcp-snooping binding persistency enable. Once persistency is enabled, the snooping entries would be removed only based on the lease time. Thus this option will address this issue of binding entry getting removed because of MAC entreis not being learnt for binding sync time interval.		
PR	124204	Build:	6.3.1.1004.R01
Summary:	Crash analysis required for OS6850.		
Explanation:	Enhancement done to dump the ktrace & the tt of the task holding the splSem into netTask.ktrace file when the tNetTask gets hung for more than 30 sec. Along with this the system is rebooted with a PMD.		



PR	124632	Build:	6.3.1.1004.R01
Summary:	Unable to access Webview via NAT. Ping, telnet and FTP works.		
Explanation:	Fix to open-up webview in NATed environment.		
PR	124840	Build:	6.3.1.1004.R01
Summary:	6850 switch not advertising /18 mask summary network		
Explanation:	Propagate LSAs across areas properly, when summary networks are advertised.		
PR	125176	Build:	6.3.1.1006.R01
Summary:	PIM interface config disappears after switch reload, when ip interface name has spaces.		
Explanation:	In PIM, while writing into configuration save the interface name with quotes.		
PR	125034	Build:	6.3.1.1007.R01
Summary:	Need cli command to remove ip name-server address		
Explanation:	Introduces new cli commands to remove ip name-server address configured.		
	1. no ip name-server all This removes all the ip name-server entries configured.		
	2. no ip name-server <num.num.num.num> This cli command is used to remove a specific ip name-server address configured.		
PR	125352	Build:	6.3.1.1009.R01
Summary:	Message "IPC sending error on MIP rq to WCCP" flooding systrace log		
Explanation:	WCCP application is currently not supported in 631. Hence Bypassed 'MIP request handling' for WCCP.		
PR	123749	Build:	6.3.1.1010.R01
Summary:	BPDU shutdown doesn't work reliable - Loops go undetected		
Explanation:	Fake BPDUs are sent every second on all vlans of the ports configured for shutdown		
PR	125878	Build:	6.3.1.1011.R01
Summary:	BGP peering within confederation goes to idle after a peer learns a route from another eBGP peer		
Explanation:	Changing the MyAs num to Peer As num to the attribute and If nexthop self option is enabled then route attribute nexthop is filled with the local outgoing address otherwise unaltered.		



PR	125329	Build:	6.3.1.1012.R01
Summary:	Clients connected to 6850 as Edge Switches(layer2) not able to pass the Authentication (avlan issues)		
Explanation:	The frames with Destination mac address(00:20:da:00:00:02) i.e, aaa special mac is processed by the cmm software only when the 802.1x or avlan is enabled in the switch else the frames are just flooded by the hardware itself. Also the frames with the Destination mac address (01:80:c2:00:00:03) i.e,802.1x special mac is processed by the cmm software only when 802.1x is enabled in the switch else it just flooded by the hardware itself.		
PR	125939	Build:	6.3.1.1012.R01
Summary:	Unable to associate a name with a static arp		
Explanation:	Slot/Port value not overridden when arp-name configured for a static arp		
PR	125335	Build:	6.3.1.1013.R01
Summary:	taLLDPAgent task suspended on OS9800 switches.		
Explanation:	Datatype of 'remDevCnt' changed from 'uint8' to uint32' to process remote device information when remote device count exceeds 255.		
PR	125491	Build:	6.3.1.1014.R01
Summary:	File descriptors are not released when a telnet/SSH session is released		
Explanation:	FD display in iosShowFdTask corrected; added new utility iosShowFdHistory		
PR	125353	Build:	6.3.1.1016.R01
Summary:	Shutting down POE daughter card at threshold different to configure for the system board		
Explanation:	Shutting Down of PoE Daughter module is linked with the module danger threshold value. pethPsePortOnOffNotification trap information is modified to carry slot & port value		
PR	126298	Build:	6.3.1.1016.R01
Summary:	Should allow static routes that are a subnet of an interface		
PR	126040	Build:	6.3.1.1019.R01
Summary:	Request to change default value of flag L1_turbo_mode from 1 to 0 - prevent NI monitoring TO		
Explanation:	Disable L1D cache in 631.		
PR	119583	Build:	6.3.1.1020.R01
Summary:	AVLAN logout behavior enhancement needed		



PR **124760** Build: 6.3.1.1021.R01
 Summary: Error Open Message Capability Code 65 received from Juniper
 Explanation: Support to ignore Unsupported capabilities for BGP peer and support peers with no optional capabilities.

Problems Fixed Between Builds 1024 and 1042

PR **119978** Build: 6.3.1.1024.R01
 Summary: ARP-Request does not trigger vlan mobility rules if 802.1x is activated on the port

PR **125544** Build: 6.3.1.1024.R01
 Summary: ip pim sgroute, BSR, C-RP missing in the tech-support Layer3 pim file. Need analysis
 Explanation: Added missing ip pim sgroute information to the tech-support Layer3 pim

PR **124536** Build: 6.3.1.1026.R01
 Summary: Sflow samples sent from the switch follows 2 sets of sequence numbers from the same sflow agent
 Explanation: Update sub-agent id with NI number in sflow datagram

PR **126042** Build: 6.3.1.1026.R01
 Summary: OS6850 Switch do not recognize packets with a tag value of zero.
 Explanation: Accepting packet with vlan as zero 802.1q tag header.

PR **124684** Build: 6.3.1.1027.R01
 Summary: IGMP Membership Report - Join & Leave Group QOS issue with Svlan
 Explanation: Apply SAP Profiles to CPU Forwarded/Flooded Packets. This Change applies to IGMP Query and Report Packets

PR **127260** Build: 6.3.1.1028.R01
 Summary: VRRP3 Priority is not being assigned 255 for vrrp ip owner - both master and local are assigned 100
 Explanation: VRRP3 priority may be set to 100 even if the VRRP interface in the switch is the address-owner.

PR **125358** Build: 6.3.1.1029.R01
 Summary: unable to assign ip address to loopback interface in the same range of an existing ip interface
 Explanation: Allowing Loopback0 to be configured in the same subnet as an existing IP interface.



PR	127254	Build:	6.3.1.1029.R01
Summary:	OS6850 stack of 8 switches. Slot 4 crashed and generated a PMD file.		
Explanation:	Defence check made to avoid crash in qos task.		
PR	126366	Build:	6.3.1.1030.R01
Summary:	changes made to the QoS policy and applied are not taking effect until a reboot is performed		
Explanation:	FFP entries for default disposition are flushed on 'qos disable'. Product OS6800 is validated before flushing QMR mac addresses on 'qos disable'.		
PR	125385	Build:	6.3.1.1031.R01
Summary:	enhance stack manager counters to track the reason for SUPV message lost		
PR	126171	Build:	6.3.1.1032.R01
Summary:	Need ability to deny fragmented packets in qos		
Explanation:	Debug Command to drop Fragmented packets.		
PR	127372	Build:	6.3.1.1033.R01
Summary:	With OS6850, QoS with the queue bandwidth configured, after port status change the minimum bandwidth		
Explanation:	Retain minbw for a queue of a port after the port goes down and up		
PR	127652	Build:	6.3.1.1033.R01
Summary:	ipni_rtalloc1[496] err==11		
PR	127671	Build:	6.3.1.1033.R01
Summary:	9000 series -- Running Configuration : NOT SYNCHRONIZED		
Explanation:	This change handles the case where the value of "running configuration" gets stuck up in "Not synchronised", when a config change followed by a flash sync (before a write memory) is done. Hereon, the value of "Running configuration" will be "SYNCHRONISED", only when both the "write memory" & "copy flash-synchro" are executed. This flag should indicate whether the Running configurations in both the CMMs are in sync or not.		
PR	127557	Build:	6.3.1.1035.R01
Summary:	Unable to advertise Loopback0 into BGP even redistributed local into BGP is enable		
Explanation:	Code changes to advertise Loopback0 in BGP domain when " debug set bgpAdvLpbk0 1 " is set in AlcatelDebug.cfg		



PR **125322** Build: 6.3.1.1036.R01
 Summary: Configured system daylight savings cannot be reconfigured & dates are not calculating correctly.
 Explanation: The code has been changed to display the daylight savings time as per the command given in the site.

PR **127622** Build: 6.3.1.1036.R01
 Summary: "show amap" returns unknown when remote switch is a 6400
 Explanation: Included OS6400 and OS6855 Devices in AMAP

PR **127659** Build: 6.3.1.1036.R01
 Summary: QoS UserPort shows wrong "Link Status" when admin down.
 Explanation: Fix to display the link status on admin down

PR **125744** Build: 6.3.1.1038.R01
 Summary: Error "memPartAlloc: block too big - 2048 in partition 0x4109f0" appears on console.
 Explanation: Debug CLI to enable/disable IPX rate limiting

PR **125883** Build: 6.3.1.1038.R01
 Summary: A 10Gig port on a OS6800-48 goes blocking even when STP is disabled.
 Explanation: Enhanced STP trace message to track BCM error codes

PR **127625** Build: 6.3.1.1040.R01
 Summary: "swlog console level off" not displayed in the configuration snapshot.
 Explanation: "swlog console level <>" commands displayed during configuration snapshot .

PR **125349** Build: 6.3.1.1042.R01
 Summary: Default setting of ipedrArpQuickLearn flag from 0 to 1 to fix icmp timeout
 Explanation: Reduced the delay between the tasks in updating an ARP entry in Hardware. The ipedr ARP Quick learn flag is set to 0 by default.

Problems Fixed Between Builds 1043 and 1052

PR **126925** Build: 6.3.1.1043.R01
 Summary: OS6850 - Issues with Mac mobility rules and mac-address table.
 Explanation: Debug function added to print VLAN/Port/MAC association for DHCP packets classified on Group Mobility rule.



PR	127418	Build:	6.3.1.1043.R01
Summary:	After a reboot, some "bgp network status enable" lines disappear		
Explanation:	Handled MIP overflow for BGP network configuration display		
PR	127606	Build:	6.3.1.1043.R01
Summary:	OS6850-48X crash with "tTrapReplay" task suspension after a full backing up through OV		
Explanation:	Code changes to prevent false alarms		
PR	127798	Build:	6.3.1.1043.R01
Summary:	FLASH SYNCHRO Aborted. Due to SIMPLEX CMM or 2ndary State		
Explanation:	Code changes to correct error messages shown during Flash synchro failures in a duplex setup		
PR	128094	Build:	6.3.1.1043.R01
Summary:	OS 6850 with the vlan port slot/port default vlan disable not dropping dhcp packet		
Explanation:	DHCP packets on the default vlan are dropped when 'default vlan is disabled' for a port.		
PR	128104	Build:	6.3.1.1043.R01
Summary:	Even there are no changes in the configuration, exit command prompts so -in 6.3.1 R01		
Explanation:	Whenever the show tech-support command is executed without any change in the configuration the switch is exited normally.		
PR	93715	Build:	6.3.1.1048.R01
Summary:	catchCpuHog does not log to swlog on 6600		
Explanation:	Fix for logging cpuHog info into swlog.		
PR	125463	Build:	6.3.1.1049.R01
Summary:	MD5-based BGP peering issue with a third party switch and an Alcatel 6850 when the third party initializes it		
Explanation:	Debugs & warnings were raised when issues with third party device interoperability arises.		
PR	128888	Build:	6.3.1.1050.R01
Summary:	Changing from "bridge mode 1x1 pvst+" to "bridge mode 1x1" creates vlan 4095		
Explanation:	Not changing the bridge priority for reserved VLAN(4095) on pvst+ STP mode.		



PR **128908** Build: 6.3.1.1051.R01
 Summary: no ospf neighborhood between 6850 and Extreme Box
 Explanation: Considering ip options length while parsing OSPF packet

Problems Fixed Between Builds 1053 and 1070

PR **128840** Build: 6.3.1.1053.R01
 Summary: Ip-source-filtering with SAP issue on OS6850
 Explanation: Passed the proper slice number for the counter to be freed

PR **129025** Build: 6.3.1.1055.R01
 Summary: Static route with loopback interface as gateway causes corruption of forwarding table
 Explanation: Interface type check done in route delete

PR **128503** Build: 6.3.1.1056.R01
 Summary: Oversized packets are not displayed in the CLI in OS9700
 Explanation: Display issue related to oversized packets got resolved.

PR **127487** Build: 6.3.1.1057.R01
 Summary: bgp networks active although the mask doesnot match the one learned via OSPF
 Explanation: Code changes to activate local BGP networks if and only if there exists an exact match in IPRM router database, learnt from a protocol other than BGP

PR **129160** Build: 6.3.1.1057.R01
 Summary: rls command creates untrue message after executing exit command.
 Explanation: The Rls command reporting false configuration status issue got resolved.

PR **128296** Build: 6.3.1.1058.R01
 Summary: It is not possible to use "maxbw" and "minbw" for a single queue when bandwidth >100M
 Explanation: Corrected 'lower bounds getting equated to upper bounds' while setting threshold values for minimum bandwidth in hardware.

PR **128959** Build: 6.3.1.1058.R01
 Summary: 6800: enabling L2 DHCP SNOOPING affects tunneled L2 traffic for no apparent reason
 Explanation: Check for DHCP packet is by checking both source and destination port.



PR	128507	Build:	6.3.1.1059.R01
Summary:	Layer three traffic not forwarded by the switch and telnet session blocked until reboot.		
Explanation:	The sflow sampler configuration is done on NIs during a port attach, only when a valid sflow receiver associated to that sampler.		
PR	121972	Build:	6.3.1.1060.R01
Summary:	PC is not able to ping the switch IP after getting authenticated through mac-authentication. Switch		
Explanation:	code changes in AAA, so that authenticated non-supPLICANT mac can ping the switch IP.		
PR	129423	Build:	6.3.1.1064.R01
Summary:	"show ethernet-service" and "show ethernet-service sap" outputs are not consistent		
Explanation:	Corrected show command output to show all the entries.		
PR	129347	Build:	6.3.1.1065.R01
Summary:	Intermittent webview access on OS9700.		
Explanation:	When accessing a webview page using the ip address of the switch, the redirect to the index page would cause some extra characters to get appended so added a "\0" at the end of the string.		
PR	129610	Build:	6.3.1.1066.R01
Summary:	9700 alert Clock and Data Not High for STOP Reg 0x70000110 = 0x1 and after switch crashed		
Explanation:	Validated file contents for scroll operation to avoid empty file navigation while using VI editor.		
PR	128755	Build:	6.3.1.1067.R01
Summary:	sflow toolkit showing wrong values for the output port in the flow sample.		
Explanation:	Use of traffic type to find the destination port for displaying the correct output port in slow toolkit.		
PR	129972	Build:	6.3.1.1068.R01
Summary:	Port Security Not showing it is violated from CLI or from WEB		
Explanation:	Filtering status of LPS violated MAC will be proper displayed in WebView.		



Problems Fixed Between Builds 1071 and 1085

PR **128903** Build: 6.3.1.1071.R01

Summary: "show configuration snapshot" command output != boot.cfg
 Explanation: Handle MIP Overflow in VSTK configuration snapshot

PR **128958** Build: 6.3.1.1071.R01

Summary: Need ability to switch 4K vlans on NNI ports
 Explanation: Enhancement for transparent bridging on NNI Ports

PR **129512** Build: 6.3.1.1071.R01

Summary: pre banner for HTTP session not working properly as expected
 Explanation: Pre_banner is made to work properly in Webview

PR **129708** Build: 6.3.1.1071.R01

Summary: "ERROR:unknown object type failure" when using command "show ip bgp path neighbor-adv" on 6850.
 Explanation: Mipoverflow is properly handled such that the peer address information is also passed for the next iteration

PR **129943** Build: 6.3.1.1071.R01

Summary: 6850 does not display the complete ip addr when using the complete 4 octets of ip addr in ipms logs
 Explanation: Swlog message is updated to print information continusly (maximum of two lines)

PR **130047** Build: 6.3.1.1071.R01

Summary: OS 6850 stops redistributing routes of Virtual IP address when physical interface changed.
 Explanation: Redsitribution of routes of Virtual IP address will be done when physical interface is changed.

PR **130054** Build: 6.3.1.1072.R01

Summary: IGMP Issue with ethernet-service mode
 Explanation: Updating proper SVLAN during UNI port movement from one SAP to another to send IGMP packets properly.



PR	130255	Build:	6.3.1.1073.R01
Summary:	"ethernet-service nni s/p transparent-bridging " command needs a reboot to be taken into account		
Explanation:	Dont set flat STG for existing SVLANs when transparent bridging is enabled.		
PR	129950	Build:	6.3.1.1075.R01
Summary:	OS6850 does not support LDAP authentication when DEREf value is other than 0.		
Explanation:	Code change to let the admin control the ldap deref value being sent to the server		
PR	130342	Build:	6.3.1.1075.R01
Summary:	port is filtering vs blocking		
Explanation:	Set Linkagg ports to blocking on disabled vlans		
PR	129778	Build:	6.3.1.1076.R01
Summary:	TCAM hardware resources of UserPorts rule are calculated wrongly after reloading		
Explanation:	AS entries counting rectified in CMM		
PR	129087	Build:	6.3.1.1078.R01
Summary:	OS6850-P48L showing up High Memory consumption.		
Explanation:	Fix the memory leak by LLDp task when handling similar TLVs		
PR	130523	Build:	6.3.1.1080.R01
Summary:	not able to ssh to switch running asa radius authentication		
Explanation:	Retry mechanism added if communication between AAA & Radius fails so that communication will be successful after IPC congestion.		
PR	110473	Build:	6.3.1.1081.R01
Summary:	Many "LANPOWER error IpSocketSend: zcBufCreate Failed!" followed by a crash with dumps		
Explanation:	Found 256 byte memory leak in health monitor task		
PR	129746	Build:	6.3.1.1081.R01
Summary:	9800 crash LINKAGG warning Port Join . port1011 agg:7		
Explanation:	WorkQ panic pmd enhancement to monitor external interrupts once workQ deth crosses threshold.		



PR **130763** Build: 6.3.1.1081.R01
 Summary: Ni-8 crashed on OS-9800: "RX TAKEOVERACK_FAILED"/NI Monitoring timeout .
 Explanation: Preventing spin in gport conversion api.

PR **123565** Build: 6.3.1.1082.R01
 Summary: OS9-XNI-U6 in slot 4 uses 100% CPU - task IPNI
 Explanation: Invalid socket FD recovery and debugs to capture the IPNI socket details added.

PR **128328** Build: 6.3.1.1083.R01
 Summary: Command to change the source of SNMP replies.
 Explanation: New CLI introduced to control the Source IP of the SNMP packets originating from the switch

Problems Fixed Between Builds 1086 and 1116

PR **120519** Build: 6.3.1.1086.R01
 Summary: OS6850 running on 6.1.3.874.R01 crashed and generated PMD files.
 Explanation: Corrected the imcomplete PMD generation

PR **129491** Build: 6.3.1.1086.R01
 Summary: OS 6850 Flash freespace gives a wrong value when connected in stack and as stand alone no issues.
 Explanation: Corrected "Free Flash Space" calculation

PR **131070** Build: 6.3.1.1086.R01
 Summary: "ethernet-service sap 1 cvlan 1-767" command is not accepted in CLI
 Explanation: Aallow configuration of 768 cvlan-uni associations when used in bandwidth and piority not-assigned mode.

PR **131246** Build: 6.3.1.1086.R01
 Summary: The csm acknowledgement wait flag in stack manager sent to CSM when the topology role changes
 Explanation: Update the Stack acknowledgement flag properly.

PR **131357** Build: 6.3.1.1086.R01
 Summary: Inconsistent and incomplete info from "show aaa priv hexa"
 Explanation: Correct the show aaa priv hex output



PR	131382	Build:	6.3.1.1086.R01
Summary:	BPDU handling on authentication port		
Explanation:	Shutting down on receiving STP BPDU on AAA port when configured for UserPort BPDU shutdown.		
PR	131592	Build:	6.3.1.1086.R01
Summary:	Impossible to remove UNI port for SAP with cvlan untagged configured		
Explanation:	Removed UNI port from SAP properly, Issue specific to a SAP with CVLAN as untagged.		
PR	131593	Build:	6.3.1.1086.R01
Summary:	No indication when Power supply in the switch goes down		
Explanation:	Log a msg in console and swlog when the power supply goes down		
PR	129524	Build:	6.3.1.1087.R01
Summary:	Slb probe time period not working accurately		
Explanation:	Avoids delay between the slb probes sent periodically.		
PR	108701	Build:	6.3.1.1088.R01
Summary:	Static ARP entries are automatically added to the running configuration after a takeover on LA		
Explanation:	Not to store bogus arp entries in configuration file.		
PR	131122	Build:	6.3.1.1088.R01
Summary:	Issue with SLB probe configuration. ERROR: Invalid entry: "554"		
Explanation:	Fix for show configuration snapshot slb command.		
PR	131244	Build:	6.3.1.1088.R01
Summary:	OS 6850 Chassis Supervision task did not dequeue/process the stack manager topology		
Explanation:	lpc log counter as added to pmd to get the CSM ipc counters during the issue.		
PR	131247	Build:	6.3.1.1088.R01
Summary:	ipc pool depletion for the control pool and the socket information were not dumped in pmd.		
Explanation:	print socket information of sockets depleting ipc pools for the highest user of ipc		



PR	131409	Build:	6.3.1.1089.R01
Summary:	Unable to retrieve files from secondary using rcp command get error: invalid test/set		
Explanation:	Rcp command error message is changed to display correct syntax		
PR	131813	Build:	6.3.1.1090.R01
Summary:	Need to have Port status as UP/DOWN instead of "+" and "-" in Syslogs		
Explanation:	Changed the log message for Interface status change to be UP/ DOWN instead of +/-		
PR	130309	Build:	6.3.1.1091.R01
Summary:	IPV6 communication is dropped when DHCP Snooping IP Source Filter is enabled		
Explanation:	IPV6 packets are processed on a DHCP Snooping IP-Source-Filtering enabled port (behavior is controlled using a dshell flag and is not the default behavior).		
PR	131245	Build:	6.3.1.1091.R01
Summary:	OS 6850 stack has not rebooted once the queue as maxed out in CSM_REQ state.		
Explanation:	Fixed the IPC buffer leak scenario during boot up		
PR	131248	Build:	6.3.1.1091.R01
Summary:	In OS6850 the AMAP (show amap) do not have result on the neighbors switches if the port is blocking.		
Explanation:	AMAP PDUs are allowed to be received on STP blocked port.		
PR	125881	Build:	6.3.1.1093.R01
Summary:	7700/6850/9800 being attacked by SSH/TELNET/FTP and crashed need memory dump analysis		
Explanation:	Rate limiting done on SSH sessions under SSH attack. An SSH attack scenario is defined as when the system gets more than 3 SSH session requests within one single minute. Any new SSH connection will need to be attempted after waiting for one full minute. The limit of 3 can be modified, please contact Alcatel Lucent Technical Support for more information.		
PR	130571	Build:	6.3.1.1093.R01
Summary:	High OPSF task tospf due to an unnormal high OSPF LSA activity		
Explanation:	Flush the invalid LSA.		



PR	131627	Build:	6.3.1.1093.R01
Summary:	Stack of 8*6850 switch reboots and crash.pmd files present in stack 3 and 4.		
Explanation:	Debugs added to find the reason when a msg fails to be send.		
PR	131770	Build:	6.3.1.1093.R01
Summary:	Switch pre_banner.txt and garbage text when initiating ssh/sftp from switch to linux or Unix host		
Explanation:	Pre_Banner information will not be displayed while trying establish an SSH session from the switch to a remote server.		
PR	130977	Build:	6.3.1.1094.R01
Summary:	ip udp relay function is not working in OS6850		
Explanation:	UDP packets with source ip 0.0.0.0 and destination UDP port as 10067 are discarded due to invalid source ip.		
PR	131379	Build:	6.3.1.1095.R01
Summary:	Not able to communicate to 9700 all of sudden. Exception error was seen in the swlog and switch rebooted		
Explanation:	Crash during the SLB probe deletion avoided		
PR	131756	Build:	6.3.1.1095.R01
Summary:	ARP does not initiate Radius authentication in 6.3.1.1070.R01		
Explanation:	The non supplicant entry in the NI is removed, when the mac address is aged out.		
PR	131242	Build:	6.3.1.1096.R01
Summary:	OS9700 crash due to tlprm and tPim tasks: Follow up of PR#130246.		
Explanation:	More debugs added into PMD in case of memory corruption issues		
PR	130859	Build:	6.3.1.1097.R01
Summary:	Port Mapping. IGMP reports flooded via user port		
Explanation:	Drop IGMP query on an UNI port		
PR	131697	Build:	6.3.1.1097.R01
Summary:	PMD enhancement for webView buffer leakage		
Explanation:	Dumps will be generated if webView is in problematic condition with webView buffer monitoring information.		



PR	131642	Build:	6.3.1.1098.R01
Summary:	9800 Memory Leak detected When attacked by SSH/TELNET/FTP		
Explanation:	Memory leak identified during ssh/telnet/ftp attack is fixed.		
PR	131800	Build:	6.3.1.1099.R01
Summary:	UDP relay service mismatch in CLI and webview.		
Explanation:	Modified the udp webpage to provide a view similar to that of the CLI.		
PR	131336	Build:	6.3.1.1100.R01
Summary:	ping and traceroute command not available for read-only users		
Explanation:	New CLI command is added to allow ping/traceroute access for read-only users. Here is Sample CLI commands usage		
	<pre> user read-only-group allow ping-traceroute user read-only-group deny ping-traceroute show user read-only-group ping-traceroute </pre>		
PR	131919	Build:	6.3.1.1100.R01
Summary:	Static linkagg and MST not working correctly when spanning-tree is disabled on the aggregate link		
Explanation:	Spanning tree will be disabled for all MSTI instances when its disabled on CIST. All the ports in the CIST and MSTI will be in forwarding state		
PR	131947	Build:	6.3.1.1100.R01
Summary:	OS 6850 stack crashed with No superv msg for last 5 sec,Stack Flood Counter,STR Non fatal errors.		
Explanation:	Log the msg in swlog when APPID & SNAPID becomes 0 when disbursing a event to the registered applications.		
PR	132024	Build:	6.3.1.1100.R01
Summary:	A system pmd was generated after the "ipctOutgoingDisconnected: Disconnection from address 7f024101"		
Explanation:	Corrected the check for number of messages in network kernel queue		
PR	131784	Build:	6.3.1.1101.R01
Summary:	OS6850 - Unexpected action, Appid=82, SnapID=5, msgId=0x400001, event=5, state=4 messages		
Explanation:	Defense check to avoid crash on access of invalid file descriptor		



PR	131991	Build:	6.3.1.1102.R01
Summary:	show configuration snapshot udd shows configuration of Interfaces! on OS6850		
Explanation:	Corrected the output of show configuration snapshot udd		
PR	122901	Build:	6.3.1.1103.R01
Summary:	Implement TRAP/ SWLOG notification upon failure to add MAC into h/w for mobile ports		
Explanation:	Trap and swlog notifications are generated when hash collision happens in BCM L2_ENTRY table and BCM VLAN_MAC table.		
PR	131896	Build:	6.3.1.1103.R01
Summary:	OS 6850-24 Switch crash after show amap and dump generated		
Explanation:	Code changes to cli mip library from freeing bad buffer when show command exceeds cli session timeout		
PR	132097	Build:	6.3.1.1105.R01
Summary:	6850 not able to map p-bit from port (x) to port (y) base on qos configuration		
Explanation:	Hardware resources are freed properly when configuring a sap-profile with 'bandwidth not-assigned priority not-assigned' to a sap.		
PR	132375	Build:	6.3.1.1105.R01
Summary:	OS6800 - Excep in task: VlanMgr PC		
Explanation:	Check for proper OID length before accessing Vlan Manager Tables to avoid crash		
PR	132424	Build:	6.3.1.1107.R01
Summary:	PIM-SM// SPT switchover disabled: multicast traffic flow is blocked until next periodic PIM Join		
Explanation:	PIMSM to forward multicast traffic immediately after it is switched off and switched on with out any delay.		
PR	132610	Build:	6.3.1.1108.R01
Summary:	DHCP-SNOOPING - Persistency binding not available in OS9700		
Explanation:	DHCP binding info persitancy is supported in OS9 platform		
PR	132122	Build:	6.3.1.1110.R01
Summary:	Topology changes message needs to be logged in swlog with timestamp.		
Explanation:	Topology Change Logged Into Swlog for easy reference.		



PR **132332** Build: 6.3.1.1110.R01
 Summary: First telnet packet leak with qos "establish" tcp connection rule
 Explanation: Packet leaking through qos when no arp present, is prevented.

PR **132762** Build: 6.3.1.1111.R01
 Summary: DHCP snooping enabled on VLAN drops genuine DHCP messages
 Explanation: Option82 check is not done for the vlan, when DHCP snooping is configured on VLAN level on other VLANs.

PR **133299** Build: 6.3.1.1113.R01
 Summary: bpdu shutdown feature is not correctly shutting down the ports
 Explanation: Spanning tree will block the egress traffic if a mobile port is configured for BPDU shutdown.

Problems Fixed Between Builds 1117 and 1124

PR **131844** Build: 6.3.1.1118.R01
 Summary: 6850 unable to receive the one multicast source traffic on two receiver side thru DVMRP tunnel.
 Explanation: Support for point to multipoint tunnel for a multicast flow in dvmrp

PR **132834** Build: 6.3.1.1118.R01
 Summary: Port mobility config lost on late NI insertion in stack
 Explanation: GM configuration will be applied after end of initial configuration in order to solve the timing issues during NI insertion scenario.

PR **133643** Build: 6.3.1.1118.R01
 Summary: Enhance the swlog message when port shutdown due to receive BPDU
 Explanation: Enhanced swlog message during port shutdown due to receive bpdu

PR **132723** Build: 6.3.1.1119.R01
 Summary: svlan not working on link agg uni
 Explanation: Vlan stacking SVLAN binding with link aggregation information is properly updated other modules to resolve the issue.

PR **133310** Build: 6.3.1.1119.R01
 Summary: show policy classify is showing the wrong matching rule.
 Explanation: rule match for MAC address in show policy classify L2 is corrected



PR **132031** Build: 6.3.1.1120.R01
 Summary: Issue with the Feasible status related to the "show ip bgp path" command
 Explanation: show ip bgp command display modified to show incomplete origin for redistributed routes.

PR **132863** Build: 6.3.1.1120.R01
 Summary: show running directory output is different in CLI and GUI in 6850
 Explanation: Output is same for running configuration in CLI and GUI in Show running directory

PR **133152** Build: 6.3.1.1120.R01
 Summary: OS 6850-48 when configured with flood multicast enable command not displayed in configuration.
 Explanation: MIP overflow condition is handled properly so that all the ethernet interface configuration will be displayed properly in the configuration.

PR **133514** Build: 6.3.1.1120.R01
 Summary: killing of console sessions
 Explanation: Killing of console session from telnet

PR **132009** Build: 6.3.1.1121.R01
 Summary: "Spoofing" issue with ipmvlan "Enterprise Mode".
 Explanation: Implemented support for Spoofing in IPMVlan.

PR **133831** Build: 6.3.1.1121.R01
 Summary: ipconfig/renew not working with dhcp snooping and VRRP
 Explanation: DHCP packet with DA MAC as VRRP MAC will not be dropped.

PR **134528** Build: 6.3.1.1123.R01
 Summary: After upgrade to 6.3.1.1116.R01, backup using Resource Manager is not working !
 Explanation: Proper validation done on the length of the buffer received while allowing SFTP session.

Problems Fixed Between Builds 1125 and 1138

PR **134644** Build: 6.3.1.1125.R01
 Summary: CMM fabric dropping multicast traffic after takeover through cli
 Explanation: Increase Multicast takeover Timer



PR	132114	Build:	6.3.1.1126.R01
Summary:	In a Stack of 3*6850-P24 the "lanpower start 3" does not turn on the Lan power on unit 3.		
Explanation:	Send Max power Update to the NI from CMM.		
PR	132621	Build:	6.3.1.1127.R01
Summary:	UserPort QoS Issue with multicast switching		
Explanation:	Packet with any ip address will be allowed even if spoofing is configured along with if no IP address is configured for a specific VLAN.		
PR	133858	Build:	6.3.1.1128.R01
Summary:	HP NNM cannot discover Loopback0 IP address via SNMP due to wrong InterfaceIndex		
Explanation:	Labelled Loopback0 interface as other in ifType		
PR	129399	Build:	6.3.1.1129.R01
Summary:	DHCP communication reference to B flag.		
Explanation:	The DHCP Offer/Ack packets from DHCP server will be unicasted to the client when B-cast flag is set to 0 in the packet and when 'dhcp_relay_unset_bcast_flag' is set to 0 in the switch.		
PR	131380	Build:	6.3.1.1129.R01
Summary:	Junk character at the end of all string data type in omni nodes		
PR	114746	Build:	6.3.1.1130.R01
Summary:	6200 :: %BRG_AMAP-N-AMAP_STATUS: AMAP status: Port g1 data changed.		
Explanation:	Initialize the buffer used for filling system name so that AMAP status change messages are not displayed wrongly.		
PR	134586	Build:	6.3.1.1133.R01
Summary:	100% CPU due to a network loop caused by a 224.0.0.x multicast address		
Explanation:	Rate limit the packets to the CPU allowed for all policies		
PR	134897	Build:	6.3.1.1133.R01
Summary:	Debug command "debug set allowed_ssh_session" does not work.		
Explanation:	Maximum number of ssh session when set using debug command is retained when there is no attack		



PR **131685** Build: 6.3.1.1134.R01
 Summary: Malformed Boot sector errormsg. on 6800-631-1023-R01
 Explanation: Code changes to recover DOS boot sector corruptions seen in NOR flash devices.

PR **131727** Build: 6.3.1.1134.R01
 Summary: Flash Corruption after SSH/FTP/TELNET attack

PR **132147** Build: 6.3.1.1134.R01
 Summary: 6850 gives an error as "RTC get failed ca6b240" when "system timezone met" is set with 10 gig XFP.
 Explanation: If I2C lockup happend due to BAD XFP, Release I2C lockup while reading NVRAM to avoid NVRAM access errors.

Problems Fixed Between Builds 1139 and 1176

PR **135313** Build: 6.3.1.1139.R01
 Summary: OS9700 Crash due to watch dog timer with suspended task tCsCSMtask2.
 Explanation: Code changes done for complete PMD generation in OS9

PR **135857** Build: 6.3.1.1139.R01
 Summary: configuration status said not in syn
 Explanation: Cli and systrace error message for write to boot.cfg failure

PR **135955** Build: 6.3.1.1139.R01
 Summary: Temperature issue "PRB-CHASSIS alarm Danger Threshold Exceeded! Chassis Temp 82 Threshold 70"
 Explanation: Re-check the temperature, before taking actions, when temperature > danger threshold.

PR **136048** Build: 6.3.1.1139.R01
 Summary: OS6850 CPU hike with errors: i2cStatusReg:0x0 i2cer_txe:0 i2cer_bsy:0 i2cer_txb:0 i2ce
 Explanation: Fix to delete spawned task once bad SFP has been removed

PR **134434** Build: 6.3.1.1140.R01
 Summary: problems with parsing and validating the command "show ip router database dest w.x.y.z/n"
 Explanation: Fix done to properly parse and validate the command "show ip router database dest w.x.y.z/n"



PR	135410	Build:	6.3.1.1140.R01
Summary:	6850 Stack::Combo ports configuration- ERROR: IfIndex <2024> is not hybrid capable		
PR	135970	Build:	6.3.1.1140.R01
Summary:	9800 rebooted with crash pmd		
Explanation:	Avoid close on closed socket in SSH		
PR	127089	Build:	6.3.1.1141.R01
Summary:	OS 6850 packets processes by the software are lost while ARP table entry is created		
Explanation:	Buffer 5 packets per destination when ARP is not resolved		
PR	135393	Build:	6.3.1.1141.R01
Summary:	Multicast filtering config disappears during 6850 reload with boot.cfg.err.		
Explanation:	Handled Multicast configuration during bootup		
PR	136042	Build:	6.3.1.1141.R01
Summary:	OS 6850 switch crashed with S3XS tack and tCS_PRB task suspended.		
Explanation:	Check the data lenght before writing to sniffer file, to avoid buffer overflow.		
PR	135867	Build:	6.3.1.1142.R01
Summary:	OS6850 fan#3 failure msg but show fan shows all 3 fan running		
Explanation:	Debugs added for fan failure swlog message		
PR	136044	Build:	6.3.1.1142.R01
Summary:	"ip ospf default-originate" command not working properly		
Explanation:	ASBR Status enabled when "ip ospf default-originate" is configured		
PR	136698	Build:	6.3.1.1143.R01
Summary:	OSPF Issue - LSA Type 5 not flushed		
Explanation:	Not to send delete event from iprm to the destination protocol when there is a redundant route in same Local network		
PR	135333	Build:	6.3.1.1144.R01
Summary:	Traffic is routed through VRRP "Backup"		
Explanation:	Changes done to route the traffic through VRRP master after takeover.		



PR	133599	Build:	6.3.1.1145.R01
Summary:	OV 3.4.1 sends warm startup traps after ssh authentication fails.		
Explanation:	Avoiding replayed traps with different seqid.		
PR	133987	Build:	6.3.1.1145.R01
Summary:	Stack 6850 : Crash after upgrade		
Explanation:	Handle one off duplicate slot scenario issue.		
PR	136812	Build:	6.3.1.1146.R01
Summary:	Port lock up on 802.1x port when loop happens		
Explanation:	Proper access permission for port configuration and port state updates implemented.		
PR	136835	Build:	6.3.1.1148.R01
Summary:	Using 6.3.1.1124.R01 on 6800 devices, an STP blocked port sends an AMAP trap (add/remove) to its SNM		
Explanation:	Fix to avoid generation of amap traps on STP blocked ports from 541R01(97746)		
PR	136272	Build:	6.3.1.1149.R01
Summary:	100 % CPU utilization after upgrade due to QOS task		
Explanation:	Block unwanted Qos Hardware entry flushes in 6800 platform		
PR	137312	Build:	6.3.1.1150.R01
Summary:	6800 Stack crashes frequently with zcBufDelete: Task 0x9ad2dd8(Health) freeing bad buffer		
Explanation:	zc errors are handled properly in health task		
PR	137601	Build:	6.3.1.1151.R01
Summary:	LLDP error "Net Policy VLAN ID 4095 invalid/reserved" when the unknown policy flag is set to 1		
Explanation:	Unknown Policy Flag' bit in Network Policy TLV is handled properly		
PR	136646	Build:	6.3.1.1152.R01
Summary:	nisup_sounderSendTrouble suspended and cliconsole task suspended		
Explanation:	Preventing fatal free of MIP message in Console		



PR	137181	Build:	6.3.1.1153.R01
Summary:	OS9 Ni crash with .pmd : "i2cNiBoardReset: task tCS_HSM slot 5 device 0x78 state 7 data 0xf6"		
Explanation:	Avoiding crash during speed task preemption		
PR	132514	Build:	6.3.1.1154.R01
Summary:	IPC Debug and Logging Improvements		
Explanation:	IPC debug enhancements		
PR	137436	Build:	6.3.1.1158.R01
Summary:	crash pmd file analysis requested		
PR	132617	Build:	6.3.1.1161.R01
Summary:	DHCP relay not working properly when qos user-port is configured		
Explanation:	DHCP Discover packets will not be considered as Spoofed packets on UserPorts.		
PR	134716	Build:	6.3.1.1161.R01
Summary:	+++ Unable to find port 5/1 to untrust (flags c0000)		
Explanation:	qos configuration for a link agg port is made only after port attach event is received . Handled aggregate ports in QOS during bootup.		
PR	138700	Build:	6.3.1.1163.R01
Summary:	debug ip multicast flow does not display the group address and host address		
Explanation:	Debug cli command "debug ip multicast flows" changed to reflect P2MP tunneling.		
PR	138003	Build:	6.3.1.1164.R01
Summary:	show amap displays 6850 U 24 as OS6824 Fiber V2 - need to know why and if it can be displayed as U24		
Explanation:	modified product name display in show amap output for cli and webview		
PR	137810	Build:	6.3.1.1167.R01
Summary:	Switch not routing packets above size 1600 into IPV6/IPV4 tunnel - normal packets work fine		



PR **139233** Build: 6.3.1.1170.R01
 Summary: BGP redistribution aggregate route not working correctly
 Explanation: Redistribution on aggregate routes with different gateways handled properly

Under Verification:

PR **95308** Build: 6.3.1.819.R01
 Summary: Temporary loop on changing bridge priority or port down in RSTP with Link Agg
 Explanation: Temporary traffic loops could happen under the following scenarios:
 1. Reloading of a non root bridge.
 This happens when the bridge is going down and is due to the sequential bringing down of NIs during a reload process .It is purely temporary in nature and stops when all the NIs eventually get powered off.
 2. NI power down
 When an NI power down command is executed for an NI and if that NI has the Root port and other NIs have Alternate ports, it is possible to see some traffic looping back from the newly elected Root port. The traffic loop back is temporary and will stop once the NI gets powered off.
 3. New Root bridge selection
 Temporary loops could occur during the process of electing a new Root bridge, if this election process is triggered by the assignment a worse priority for the existing root bridge or a root bridge failure. This happens due to the inconsistent spanning tree topology during the convergence and stops entirely once the network converges

PR **126036** Build: 6.3.1.1024.R01
 Summary: Console error in 6850 "[bcmDPC]soc_fb_mmu_parity_error:unit = 1,INTSTATUS = 0x00000408 Fail Count =
 Explanation: Resetting the NI when CRC Error/Parity Errors are detected.

PR **126313** Build: 6.3.1.1026.R01
 Summary: QoS not working as expected
 Explanation: Dropping packets with VRRP MAC as DA MAC when the switch is not VRRP master or when VRRP not configured.

PR **124531** Build: 6.3.1.1028.R01
 Summary: Excep in task: PMirMon PC , switch crashed with pmd
 Explanation: Validated socket array index value & sFlow/PMM port values by adding boundary checks in port mirroring to avoid the crash.



PR	119848	Build:	6.3.1.1038.R01
Summary:	Issues with QoS when setting default servicing mode to WRR on OS6850 running 6.1.3.886R01.		
Explanation:	Use configured default queue weights when queue is created		
PR	127914	Build:	6.3.1.1041.R01
Summary:	unicast packets dropped due to unresolve arp entry		
Explanation:	Sync up ARP aging with MAC aging.		
PR	128000	Build:	6.3.1.1043.R01
Summary:	ARP entry should learn on the logical link agg insteaf of physical link agg port		
Explanation:	ARP entry for linkagg now learn on the logical link agg instead of physical link agg port.		
PR	128217	Build:	6.3.1.1044.R01
Summary:	UDP Relay Performance Enhancement		
Explanation:	Added Provision to control udp relay performance. The performance can be controlled using the global variable "udp_relay_perf_factor". By setting the value of this variable in AlcatelDebug.cfg as follows, debug set udp_relay_perf_factor <value> By default it is set as 1. Preferably it can be set a maximum value of 5.		
PR	128872	Build:	6.3.1.1052.R01
Summary:	cmm b took over and cli task suspended		
Explanation:	Save last message processed by mip Gateway task, which will be helpful in debugging CLI lockup issues.		
PR	127655	Build:	6.3.1.1058.R01
Summary:	HSM : Same Sequence Numbers during NI monitoring		
Explanation:	Enhanced NI PMD by dumping soc_control information in BCM and memory around DMA buffer.		
PR	129352	Build:	6.3.1.1065.R01
Summary:	After resetting NI 16 switch crashed on tNetTask		
Explanation:	Code changes done to add the task trace of tnet task into swlog.		



PR	129954	Build:	6.3.1.1071.R01
Summary:	Switch crashes after adding static route - need analysis of crash.pmd		
Explanation:	Whenever the static route is added or deleted the switch crashes . Thus the lprm task goes to suspended state. Cause of the lprm task going to suspend state is due to NHS message as a corrupted header size and hence it get continued filling of packed mess		
PR	129427	Build:	6.3.1.1086.R01
Summary:	Unable to add static Arp entry of 01:00:5e:00:00:00 - 01:00:5e:7f:ff:ff		
Explanation:	Allow creation of static multicast arp entry for reserved multicast mac address range.		
PR	129427	Build:	6.3.1.1086.R01
Summary:	Unable to add static Arp entry of 01:00:5e:00:00:00 - 01:00:5e:7f:ff:ff		
Explanation:	Allow creation of static multicast arp entry for reserved multicast mac address range.		
PR	130700	Build:	6.3.1.1090.R01
Summary:	LAG assignment to VLAN SAP as UNI port not working in 6.3.1		
PR	130050	Build:	6.3.1.1094.R01
Summary:	LPS static MAC not visible through HTTP/SNMP.		
Explanation:	Search done on static tree for getnext operation on LPS port		
PR	131897	Build:	6.3.1.1096.R01
Summary:	Remove unsupported options from AOS 6.3.1.R01 CLI		
Explanation:	'OPEN-UNIQUE' and 'OPEN-GLOBAL' keywords are removed as they are not supported		
PR	130751	Build:	6.3.1.1098.R01
Summary:	Data type mismatch as defined in the MIB then the actual data type on node,Observed in LAG traps		
PR	131957	Build:	6.3.1.1098.R01
Summary:	Check is needed while assigning port as UNI/NNI that it should not have any static mac(Port-security)		



PR	131996	Build:	6.3.1.1098.R01
Summary:	LAG containing active ports is added to SAP, the LAG as well as all ports are added to SAP in MIB		
PR	132151	Build:	6.3.1.1099.R01
Summary:	MAC movement issue due to global port association		
Explanation:	Check to avoid conflict between LinkAgg and Global Port IDs in Source Learning		
PR	131869	Build:	6.3.1.1100.R01
Summary:	6850-4 unit stack crash.pmd analysis 631-1042-R01		
Explanation:	Debug addition to the PMD		
PR	131815	Build:	6.3.1.1102.R01
Summary:	Dont add		
Explanation:	VLAN 4095 will not be displayed in vStpInsPortNumber Table.		
PR	132426	Build:	6.3.1.1107.R01
Summary:	Issue when creating an ethoam association using the format "UNSIGNEDINT".		
Explanation:	Modified the string used to represent unsignedint in ethoam association.		
PR	121007	Build:	6.3.1.1110.R01
Summary:	Mobile port users connecting to the OS 9700 core unable to access the Internet or rest of Network		
Explanation:	Deleting the last entry in VLAN Subnet HW table is corrected. So that rules in the last entry of the table will be deleted properly.		
PR	129578	Build:	6.3.1.1115.R01
Summary:	OS9800 dump analysis.		
Explanation:	Enhancement done for IPC Chip issues to debug further & Recovery will be done during hello protocol, hello election.		
PR	132771	Build:	6.3.1.1120.R01
Summary:	STP fails to converge between OS9700 and OAW4x04 when OS9700 is the root bridge		
Explanation:	Switch will send STP BPDU with length 64(including FCS) in default VLAN.		



PR	132771	Build:	6.3.1.1120.R01
Summary:	STP fails to converge between OS9700 and OAW4x04 when OS9700 is the root bridge		
Explanation:	Switch will send STP BPDU with length 64(including FCS) in default VLAN.		
PR	132714	Build:	6.3.1.1127.R01
Summary:	configured link agg not coming up after the primary link was admin down		
Explanation:	Handle Port admin & link down consistantly in link aggregation module.		
PR	134331	Build:	6.3.1.1134.R01
Summary:	DST set by system daylight savings time start command is not displaying the user specified DST		
Explanation:	DST time can be configured for only user-defined timezones.		
PR	128838	Build:	6.3.1.1141.R01
Summary:	All NIs report 100% CPU usage and connectivity lost completely after changing to MSTP from 1x1		
Explanation:	Optimize IPC between STP NI and SL NI to reduce CPU spike and IPC buffer usage		
PR	135681	Build:	6.3.1.1142.R01
Summary:	Error: Couldn't get buffer to send lldpdu out of zUport		
Explanation:	Cleaning up the hardware buffers properly.		
PR	109140	Build:	6.3.1.1146.R01
Summary:	7700 uptime reset after 497 days		
Explanation:	sysUpTime is not wrapped up after 497 days.		
PR	109140	Build:	6.3.1.1146.R01
Summary:	7700 uptime reset after 497 days		
Explanation:	sysUpTime is not wrapped up after 497 days.		
PR	136521	Build:	6.3.1.1147.R01
Summary:	The UDP relay destinations are not getting deleted when corresponding VLAN is deleted from CLI		
Explanation:	Vlan association with UDP relay service will be removed upon deleting that specific vlan.		



PR	138948	Build:	6.3.1.1166.R01
Summary:	ping drop with large packet size		
Explanation:	Avoid ping (directed towards switch) loss during socket congestion. Fix controlled by the flag ipni_prio_icmp flag and it is enabled by default.		
PR	119373	Build:	6.3.1.1168.R01
Summary:	The Radius Access-Request use the closest ip address for the attribute "NAS-IP-Address"		
Explanation:	The address of NAS IP field is controlled using the command 'aaa radius agent preferred'		
PR	119373	Build:	6.3.1.1168.R01
Summary:	The Radius Access-Request use the closest ip address for the attribute "NAS-IP-Address"		
Explanation:	The address of NAS IP field is controlled using the command 'aaa radius agent preferred'		
PR	135658	Build:	6.3.1.1168.R01
Summary:	Connectivity is lost after mobile port becomes default port and tries to become mobile port again		
Explanation:	Timing issues resolved when a port moves from fixed to mobile to fixed in the same vlan.		
PR	137866	Build:	6.3.1.1168.R01
Summary:	SNMP issue regarding VRRP interface		
Explanation:	SNMP Discovery is not allowed through VRRP IP		
PR	122824	Build:	6.3.1.1169.R01
Summary:	Web Authentication failed		
Explanation:	Workaround and debug improvement for the Emweb Buffer issue		
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Summary:	Web Authentication failed		
Explanation:	Workaround and debug improvement for the Emweb Buffer issue		
PR	138594	Build:	6.3.1.1169.R01
Summary:	DHCP Relay is not working		
Explanation:	Udp Relay NI to retry IPC connection to Primary CMM in case of failure		
PR	139160	Build:	6.3.1.1169.R01
Summary:	I2C ERROR accessing IPC Chip debug register 0x4004060 caused NI to go down - need crash analysis		
Explanation:	On detecting IPC Chip failures, initiate CMM Takeover before NI Monitoring timeout happens.		
PR	131418	Build:	6.3.1.1170.R01
Summary:	unable to synchronize CMMs due to Due to SIMPLEX CMM		
Explanation:	Debugs to track CVM states and new cli to recover the switch during flash-synchro failure		
PR	136077	Build:	6.3.1.1171.R01
Summary:	Incomplete .pmd generation. Follow up of PR#135476		
Explanation:	Correcting OS9 NI pmd generation		
PR	136077	Build:	6.3.1.1171.R01
Summary:	Incomplete .pmd generation. Follow up of PR#135476		
Explanation:	Correcting OS9 NI pmd generation		
PR	122735	Build:	6.3.1.1172.R01
Summary:	Dump analysis for 9700		
Explanation:	The maximum number of characters that can be given in the vlan name has been checked properly. Hence the data being written into next memory block is prevented.		



PR **133086** Build: 6.3.1.1174.R01
 Summary: 9800 switch went down with the error Resetting IPC Chip & then CPM (SEC_N)
 Explanation: Code changes in IPC communication to prevent Dual Primary Scenarios

Known Issues:

PR **120007**
 Summary: OS6850: While scanning switch running AOS 6.3.1.871.R01 with Nessus 3 errors on console
 Explanation: SSHD attempts to perform an IOCTL or CLOSE operation on a fd that it opens but is closed by another task like SWLOG or CliShell.
 Workaround: The workaround is to change the way fds are passed between tasks including SSHD, CliShell, SwLog and Telnetd.

PR **120749**
 Summary: Long delay when executing the command "write memory"
 Explanation: After "write memory" there will be a delay of approximately 4 to 5 sec to complete the synchronization successfully.

PR **126272**
 Summary: After configuring VLAN stacking, default sap-profile does not take precedence over a configured poli
 Explanation: Reallocation of QOS slice entries is done after VSTK group entry configuration, in order to prevent usage of slice reserved for VSTK by other group entries.

PR **138796**
 Summary: vlan stacking nni transparent bridging with MSTP
 Explanation: "Disabling Transparent bridging on ifIndex <ifIndex> as stp protocol changed to MSTP "message will be dispalyed when MSTP is configured with transbridging enabled

PR **63005**
 Summary: LDAP client design does not allow the use of "referral" service.
 Explanation: LDAP referral service not supported
 Workaround: NONE.

PR **91228**
 Summary: System does not detect IPv6 port scanning nor other IPv6 denial of service attacks
 Explanation: System does not detect IPv6 port scanning or other IPv6 denial of service attacks.
 Workaround: There is no known workaround at this time.



PR	91943
Summary:	"rls" "rcp" "rrm" changes the running configuration
Explanation:	The commands "rls", "rcp" & "rrm" change the running configuration.
Workaround:	Perform 'write-memory' and 'copy flash-synchro' commands to ensure configuration changes are saved.
PR	93114
Summary:	Oversized L2 Multicast packets are counted as InUcastPkts
Explanation:	If an ingress packet is oversized, it is not for broadcast or multicast anymore. As a result, ingressing oversized layer 2 multicast packets are counted as unicast packets.
Workaround:	N/A
PR	94269
Summary:	Packet over 1516 bytes are counted as unicast/error frame even if the packet is not unicast
Explanation:	The OminSwitch counts all error packets as unicast packets in the packets received and error counters regardless of whether the packet is a unicast packet or a multicast packet. An oversize packet is defined as a packet longer than 9216 bytes. This caus
Workaround:	No workaround.
PR	96691
Summary:	[OS6850] All mirrored output packets contain tag when sending only unicast untag packets
Explanation:	OS6850 and OS9700 contain a default VLAN tag on all egress mirrored packets when sending only unicast untagged packets.
	This issue does not exist on OS6800.
PR	96830
Summary:	Able to mirrored output on blocking port with flooded traffics.
Explanation:	Even if the mirrored port is prevented to send out flooded traffic due to spanning tree state of that particular VLAN, the mirroring port will get the flooded packet.
Workaround:	Hardware limitation. No work around.
PR	98417
Summary:	When "Filtered" MACs move between ports, they should come to the CPU.
Explanation:	When a MAC is learnt as "Filtered" for one port due to a Group Mobility rule violation, and if the MAC reappears on another port, it will not be updated. That is the MAC will not be shown as filtered for the new port, but will continue to show filtered in
Workaround:	There is no workaround.



PR **105168**
 Summary: Model name/Description display wrong info in show ni command.
 Explanation: In regards to CLI command Show ni. The display of XFP and SFP Model name and Description now display the manufacture name. These fields need to display the Model Name and device Description.

PR **105646**
 Summary: Mib var. entPhysicalModelName; entPhysicalDescr; " need to provide more descriptive values
 Explanation: entPhysicalModelName MIB variable returns vendor name of SFP instead of model name for an SNMP get/getNext call to this object.
 Workaround: There is no known workaround at this time.

PR **106811**
 Summary: Show interface output should have different description for bidirectional/CWDM
 Explanation: When entering the 'show interface slot/port' command the "SFP/XFP" field output for a port having an SFP plugged in cannot differentiate between 100Fx and Bidirectional SFP & between Gigabit and CWDM SFP.
 Workaround: There is no known workaround at this time.

PR **125207**
 Summary: Cannot ftp files through EMP port when the switch is running in miniboot.
 Explanation: Enabling FTP in miniboot

PR **132116**
 Summary: DHCP Snooping process is not aware of NI insertion
 Explanation: Display DHCP Snooping ports after NI reload

PR **86853**
 Summary: Pass thru mode test failed with stack of 9
 Explanation: A stack of 9 is not supported.
 Workaround: None. The maximum stack elements can be only 8.

PR **94125**
 Summary: OS9000 and OS6850 do not allow L3 traffic classification with dest port/vlan/mac information.
 Explanation: The OS9000 and OS6850 hardware does not support QoS or ACL rules containing destination port, destination VLAN, or destination MAC on traffic that is routed by the OS9000 or OS6850.
 Workaround: There is no workaround.



PR **97666**
Summary: Anvl TCP-C 3.3 - Received TCP packet does not have RST flag set Did not receive proper RST response
Explanation: TCP doesn't send a RST after receiving an unacceptable ACK in SYN-RCVD state.
Workaround: None.

PR **100761**
Summary: Mac addresses of a continuous traffic get lrn on LA primary port after disabling link aggregate
Explanation: Disabling a linkAggr port while traffic is running might leave some MAC addresses learned on the primary member port of the linkAggr.
Workaround: Stop the traffic first or link down/up the primary port after disabling the linkAggr.

PR **104078**
Summary: WebView does not give the option to view the ospfv3 routes table like it does for ospf
Explanation: The route table in OSPFv3 cannot be retrieved via SNMP. There is no support for retrieving the OSPFv3 route table in the official IETF draft MIB for OSPFv3. Displaying the OSPFv3 border router table is also not supported in the IETF draft MIB. This aff
Workaround: The CLI can display the routing table (show ipv6 OSPF routes) and border router table (show ipv6 OSPF border-routers) for OSPFv3.

PR **105108**
Summary: 6850 sends warmStart trap instead of coldStart trap when powered off/on
Explanation: As per OS6850 hardware design, there is no differentiation between warmboot and coldboot at hardware level. Hence software cannot detect whether the switch is booting up due to warmboot or coldboot. Hence we will always get warm startup trap upon boot-up.
Workaround: None.

PR **105399**
Summary: Traffic gets flooded in Large L2 table mode over dyn agg across NIs after passing aging time cycle
Explanation: Under the following conditions, traffic is flooded instead of unicast bridging: When the chassis is operating under the distributed mode of source learning, and the traffic from slots egressing linkaggregation on different slots and the ingress and egress
Workaround: Configure the source mac as static or use linkaggregation on the same slot.



PR **105493**
 Summary: Disable/enable flat stp on vlan 1 does not reenable spanning tree
 Explanation: Enabling Spanning Tree in flat mode after disabling does not work when VLAN 1 is disabled.
 Workaround: Perform the following steps in the order of:

1. Enable VLAN 1
2. Enable STP
3. Disable VLAN 1

PR **106213**
 Summary: On application of snapshot with ospf3, get "system busy" & area is not created
 Explanation: When using "configuration apply" to apply routing configuration to a system that has completed its boot up, parts of the configuration may fail with a "system busy" error.
 Workaround: 1) Ensure that the protocol is manually loaded prior to applying the configuration file.

For example:

```
> ipv6 load ospf
> configuration apply ospf3.asc.1
```

2) (Optional) After configuring the protocol, use a "write memory" to commit the changes to the

PR **112489**
 Summary: Jumbo frames get lost when going over a 100mb port
 Explanation: Changes done to support Jumbo frame size configuration to be saved in boot.cfg for combo ports in 100mbps mode

PR **119441**
 Summary: Group mobility is not classifying frame type correctly
 Explanation: ether-type rules can't be front loaded due to the fact that it is not specific to that port only. For this case since same host is processing IP and DECANET proto-types we need to have a IP-Subnet rule for the IP packets which would also point to the same
 Workaround: If IP packets also could come in the same port add separate IP subnet rule. This would solve this issue.

PR **121589**
 Summary: "show qos queue" command does'nt show the Xmitted/dropped packets
 Explanation: Due to hardware limitations, transmit and dropped packet counters cannot be displayed for all ports



PR **121701**
 Summary: 802.1D spanning Tree mode won't detect edge port and send out Many TCN when a PC is plug in
 Explanation: AOS Supports 802.1q 2005 version of spanning tree standard. As per this standard document any ports running 802.1D cannot move to Operational Edge port automatically. Standard doesn't provide a way for this. Means 802.1D doesn't have auto-edge mode comple
 Workaround: Configure the ports as edge ports using CLI commands.

PR **122430**
 Summary: After we toggle the flat mode vlan 1 stp, we run into a loop in RRSTP
 Explanation: For proper RRSTP functionality vlan-1 should not be disabled. Also for any network based on FLAT spanning tree ,user shouldn't disable vlan-1.

PR **122717**
 Summary: Temperature discrepancy between 6.1.3GA and 6.3.1GA over 20 degree
 Explanation: The reason for the changes in the temperature threshold is because with all of the SFPs in place, the temperature will increased close the 55C mark, which can trigger a false alarm. So increased the threshold to a higher value.

PR **123616**
 Summary: Traffic drops when we have aging-timeout for 60s
 Explanation: ARP timer runs once per-minute. At each walk, it goes through all ARPs, aging out those that have already expired. In addition, it calculates if any ARPs are going to age out in the next walk, and if so, checks if the ARP is in use by traffic. If so, it sends a pre-emptive ARP Refresh (Request). On receiving the ARP Reply, we refresh the ARP entry expiry time.

PR **124772**
 Summary: Disabling STP in flat mode on VLAN1 stops STP on CIST

PR **126345**
 Summary: LACP short/long timeout mis-match
 Explanation: On having dynamic link aggregation and if CPU spikes then LACP control PDUs might get dropped if CPU stays at high CPU for long time, which will lead to Link aggregation port flap.
 Workaround: In those scenarios static link aggregation can be used. Or if dynamic link aggregation is needed then dynamic link aggregation may be configured for slow timeout.

PR **128154**
 Summary: “dot1dTpFdbPort” will return bridge port number in 6.3.1.R01 where as ifIndex in 6.1.3.R01“
 Explanation: dot1dTpFdbPort will have bridge port number instead of ifIndex.



PR **128236**
Summary: DSCP bit is not preserved when sending over 10 gig link agg
Explanation: Recommend to trust the ports using the qos configuration provided

PR **131234**
Summary: show ip route with 96K OSPF routes display memory allocation error
Explanation: OSPF will retain memory corresponding to 96K routes, even after those routes are withdrawn (either due to link down, or IXIA action). This is as per design, because there is every possibility that the same routes will be re-learned after the temporary route
