



# Intermediate Release Notes

## Omni Switch 10K/6900

### Release 7.3.1.823.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 any question or concern please contact Alcatel’s Technical Support Department.

Problems Fixed Between Builds 633 and 645 .....	2
Problems Fixed Between Builds 646 and 682 .....	3
Problems Fixed Between Builds 683 and 748 .....	6
Problems Fixed Between Builds 749 and 771 .....	11
Problems Fixed Between Builds 772 and 780 .....	13
Problems Fixed Between Builds 781 and 823 .....	14
Under Verification: .....	16
Known Issues: .....	20
New Software Features: .....	21

## Problems Fixed Between Builds 633 and 645

PR	<a href="#">176659</a>	Build: 7.3.1.635.R01
Summary:	Remote command-log shows disabled even after enabling it.	
Explanation:	Code update to correctly display the remote command-log status	
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PR	<a href="#">176553</a>	Build: 7.3.1.638.R01
Summary:	Error in swlogs Chassis Supervisor niMgr alert(3) Incompatible expansion module and dump files genera	
Explanation:	Code updated to check chassis ID	
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PR	<a href="#">177354</a>	Build: 7.3.1.642.R01
Summary:	OS6900 Sflow not working with 7.3.1 code works fine with 7.2.1.R02. Sflow UDP packet shows source port as 0	
Explanation:	Use the same UDP source port 1027 when sending sflow packets	
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PR	<a href="#">176903</a>	Build: 7.3.1.642.R01
Summary:	Default route with subnet /24 accepted by switch for EMP network.	
Explanation:	Code updated to check for illegal EMP gateway	
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PR	<a href="#">176941</a>	Build: 7.3.1.643.R01
Summary:	Inconsistent issues with qos policies in OS6900 and error is "Out of TCAM processors on 0/1(0)".	
Explanation:	Code updated to check for proper flags when configuring policy rules	
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PR	<a href="#">176980</a>	Build: 7.3.1.643.R01
Summary:	ERP state in pending with blocked ports on non-RPL node.	
Explanation:	Code updated to perform aggregate ID check on port join	
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PR	<a href="#">173232</a>	Build: 7.3.1.644.R01
Summary:	LLDP: lldp local-management-address is using other interface instead of Loopback0	
Explanation:	Code updated to store the correct IP interface index	

## Problems Fixed Between Builds 646 and 682

PR	<a href="#">177492</a>	Build: 7.3.1.646.R01
Summary:	OS 6900 Need to confirm whether disable the NFS to protect according to Vulnerability report.	
Explanation:	Code updated to use iptables to block external access to sunrpc and nfsd	
PR	<a href="#">177261</a>	Build: 7.3.1.648.R01
Summary:	Shared memory sync messages seen every 10 seconds	
Explanation:	Changed swlog level to Debug3	
PR	<a href="#">177623</a>	Build: 7.3.1.648.R01
Summary:	unp classification does not work on unp access port	
Explanation:	Software updated to prevent changing default VLAN to 4095 for UNP Access Port.	
PR	<a href="#">177274</a>	Build: 7.3.1.650.R01
Summary:	CMM-B and NIs showing as DOWN after upgrading from 7.3.1.519.R01 to 7.3.1.632.R01 in OS10K.	
Explanation:	Fixed software issue causing the NI's to not come up when time zone is set to Korean Standard Time(UTC+9).	
PR	<a href="#">177686</a>	Build: 7.3.1.651.R01
Summary:	Reference to PR# 176980. Connectivity issue between MC-LAG peers for newly created VLANs.	
Explanation:	ERP software updated to address connectivity issues between MC-LAG peers and newly created VLANs.	
PR	<a href="#">177631</a>	Build: 7.3.1.651.R01
Summary:	BGP: OS6900 crash after disabling the aspath lists and do "ip bgp neighbour 194.44.88.251 clear soft	
Explanation:	Changing the ebgp routes from inactive to active by enabling/disabling an aspath list no longer causes the switch to crash.	
PR	<a href="#">177511</a>	Build: 7.3.1.653.R01
Summary:	Slave chassis kept rebooting and cannot join back to the VC	
Explanation:	Software updated to address NFS timeout issues causing slave chassis to reboot.	

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PR	<a href="#">177618</a>	Build: 7.3.1.655.R01
Summary:	OS6900 uboot information not seen with show hardware-info	
Explanation:	Code updated to display the proper uboot information	

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PR	<a href="#">177812</a>	Build: 7.3.1.657.R01
Summary:	BGP aspath-list filters do not work	
Explanation:	Changing aspath priorities are now updated correctly in the routing table.	

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PR	<a href="#">177481</a>	Build: 7.3.1.659.R01
Summary:	We are having the issue with NTP synchronization in OS10K	
Explanation:	NTP now correctly synchronizes.	

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PR	<a href="#">177986</a>	Build: 7.3.1.662.R01
Summary:	BPDU from OS10K-VC are not tunneled across the PBB network	
Explanation:	BPDU from OS10K-VC are now correctly tunneled across the PBB network preventing a layer 2 loop.	

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PR	<a href="#">175856</a>	Build: 7.3.1.663.R01
Summary:	Removing already configured static linkagg and port associated to it, stops source learning on those ports	
Explanation:	Source learning is no longer stopped when removing ports from a static link agg.	

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PR	<a href="#">177953</a>	Build: 7.3.1.663.R01
Summary:	ip-helper DHCP/UDP relay issue in a MC-LAG environment	
Explanation:	DHCP server packets are no longer dropped by the directly connected OS10K having the MC-LAG primary port.	

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PR	<a href="#">178117</a>	Build: 7.3.1.664.R01
Summary:	Power supply working but not displayed on CLI for chassis1 of the VC.	
Explanation:	Software updated to properly display power supply for chassis 1.	

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PR	<a href="#">178279</a>	Build: 7.3.1.666.R01
Summary:	OS 6900 -X20 switch with 7.3.1.R01 the message linkAggCmm main info(5) mip_msg_queueing NO 1 error s	
Explanation:	Code updated to clean up the logs	

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PR	<a href="#">178215</a>	Build: 7.3.1.667.R01
Summary:	OS6900 - SPB SAP not working properly over VC	
Explanation:	ARP requests are now properly flooded out on the local SAP.	

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PR	<b>178419</b>	Build: 7.3.1.669.R01
Summary:	OS6900 switch running 7.3.1.645.R01, system name changing to default after a reboot.	
Explanation:	Software updated to properly check quotes on system name string.	

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PR	<b>178288</b>	Build: 7.3.1.669.R01
Summary:	OS10K - STP BLK linkagg does not transition from BLK/BACK to FWD/DESG state	
Explanation:	When the primary lag is down, the redundant LAG now properly transitions from BLK/BACK to FWD/DESG state.	

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PR	<b>178301</b>	Build: 7.3.1.670.R01
Summary:	OS6900 LACP linkagg issue during ISSU	
Explanation:	Software updated to improving timing during ISSU upgrade.	

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PR	<b>178115</b>	Build: 7.3.1.671.R01
Summary:	Tx Lost frame is kept incrementing on SPB interface	
Explanation:	Software updated to fix MAC ping over SPB interface issue.	

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PR	<b>177697</b>	Build: 7.3.1.676.R01
Summary:	Unable to ping the ip interface configured on switch from directly connected client on same subnet.	
Explanation:	Software updated so that IP interface properly responds.	

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PR	<b>179291</b>	Build: 7.3.1.678.R01
Summary:	OS10K - VRRP issue over SPB network	
Explanation:	VRRP synchronization now occurs when a slave joins an existing VC.	

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PR	<b>175013</b>	Build: 7.3.1.679.R01
Summary:	An error message is displayed upon configuring more than one multi-chassis linkagg after a takeover	
Explanation:	Error message is no longer displayed.	

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PR	<b>179173</b>	Build: 7.3.1.680.R01
Summary:	Customer informed there's a 10mins wait time before VC status is ready after switch upgrade.	
Explanation:	Software updated to improve the restoring of connections after an upgrade.	

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PR	<b>177706</b>	Build: 7.3.1.681.R01
Summary:	Source Learning calling bcm_l2_addr_thaw() leading to assertion failure	
Explanation:	Source learning software updated to prevent assertion failure.	

## Problems Fixed Between Builds 683 and 748

PR	<a href="#">177567</a>	Build: 7.3.1.683.R01
Summary:	Configuration missing after code upgrade	
Explanation:	Use sync mode to ensure VLAN manager does not lose messages.	
PR	<a href="#">177811</a>	Build: 7.3.1.685.R01
Summary:	Multiple crashes with kernel errors on log.	
Explanation:	Add spinlock pre-empt protection around call to set_task_cpu()	
PR	<a href="#">179652</a>	Build: 7.3.1.689.R01
Summary:	In Webview of OS6900 showing type unknown (9) for unqtag port on VLAN members.	
Explanation:	Added support for missing enumeration mappings just added to the mib for vlan types and vpa type	
PR	<a href="#">180352</a>	Build: 7.3.1.691.R01
Summary:	OS6900 virtual chassis display issue in show fan	
Explanation:	Modified code to display fan airflow with status.	
PR	<a href="#">180086</a>	Build: 7.3.1.694.R01
Summary:	VLANs still exists after deleting it from OS10K MC-LAG	
Explanation:	Add bounds check before accessing shared memory array	
PR	<a href="#">180809</a>	Build: 7.3.1.695.R01
Summary:	Authentication Tab missing in Omni Switch Webview	
Explanation:	Webview Sec > ASA, re-introduced missing Authenticated Switch Access configuration page	
PR	<a href="#">180397</a>	Build: 7.3.1.697.R01
Summary:	In OS6900 VC setup we are getting continuous error message in swlog	
Explanation:	Change log level in pmShmDbGetEntry from ERROR to DBG1 so that log does not get filled with error messages when doing a mibwalk on dot1dBasePort	
PR	<a href="#">180678</a>	Build: 7.3.1.698.R01
Summary:	We are facing the issue with OS10K as unable to clear the swlogs and not logging new events.	
Explanation:	Fix setting in nfs configure file for x86_sim	



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PR	<b>180816</b>	Build: 7.3.1.698.R01
Summary:	Telnet using DNS name throws error message "This is not an authorized host"	
Explanation:	Added link in jail directory, /vroot/etc. to /etc/resolv.conf to resolve host name	

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PR	<b>180376</b>	Build: 7.3.1.700.R01
Summary:	Loopback0 Ip address not able to ping with OS 6900	
Explanation:	Skip Loopback0 when looking for an interface to attach an arp to	

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PR	<b>181083</b>	Build: 7.3.1.703.R01
Summary:	ip6nid library(portmgrlibni) error(2) Message seen in logs	
Explanation:	Verify type of gport passed to ip6ni_laggGportGet before calling pmApiGetPPInfo	

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PR	<b>180706</b>	Build: 7.3.1.703.R01
Summary:	Issue with sflow agent ip and VIP interface having same IP, sflow packets not generating.	
Explanation:	Change to allow assignment of configured agent IP to sflow source IP packets	

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PR	<b>181188</b>	Build: 7.3.1.705.R01
Summary:	MSTI configuration is not displayed on OS6900 VC setup	
Explanation:	Proper MIP_OVERFLOW handling during msti vlan snapshot display	

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PR	<b>181193</b>	Build: 7.3.1.706.R01
Summary:	OS6900 Unable to do write memory error "Application snapshot appears to be looping. Terminating AP	
Explanation:	Code upgraded to properly update the port Index in case of MIP overflow	

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PR	<b>181194</b>	Build: 7.3.1.711.R01
Summary:	Port monitoring not working with Virtual Chassis	
Explanation:	Allow showing of monitor file on slave primary	

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PR	<b>180911</b>	Build: 7.3.1.713.R01
Summary:	Switch crashed when snmp set with 40 characters	
Explanation:	Subagent shouldn't null terminate string in net-snmp memory (no allocated space for null, steps on next element in structure)	

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PR	<b>181423</b>	Build: 7.3.1.714.R01
Summary:	ERROR: ESM: Slot/Port out of range <101041>	
Explanation:	Added support to update port manager db on master chassis if expansion module inserted on slave chassis	

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PR	<b>181197</b>	Build: 7.3.1.715.R01
Summary:	redistributing of OSPF routes stopped after the crash	
Explanation:	Protect backup static route list on deletions also	

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PR	<b>181044</b>	Build: 7.3.1.717.R01
Summary:	MAC-learning disabled on config not taking effect.	
Explanation:	mac-learning disable commands handling for linkagg handle link agg. and static ports for mac-learning disable commands	

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PR	<b>177661</b>	Build: 7.3.1.717.R01
Summary:	MIBWALK on Q-BRIDGE-MIB::dot1qTpFdbPort.1 fails	
Explanation:	MIB walk no longer fails.	

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PR	<b>181648</b>	Build: 7.3.1.718.R01
Summary:	SPB issue: Devices are unable to access remote site if they have more than 2 SPB hops in between	
Explanation:	No need to validate if index for internal generated message	

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PR	<b>181612</b>	Build: 7.3.1.719.R01
Summary:	Frequently logs generated after Virtual chassis.	
Explanation:	Added Validation checks for MC-Vfl & Vc-Vfl	

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PR	<b>181269</b>	Build: 7.3.1.722.R01
Summary:	Both VC are in Master status after upgrade to 7.3.1.706R01: analysis required	
Explanation:	Ignore multicast mac from bulk delete	

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PR	<b>181880</b>	Build: 7.3.1.726.R01
Summary:	VC - reload not possible after changing system date	
Explanation:	Restart NFS server on date/time/time zone change	

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PR	<b>182072</b>	Build: 7.3.1.729.R01
Summary:	10K VC - SLB issue after VC rebooted	
Explanation:	Ensure correct time value is used.	

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PR	<b>181993</b>	Build: 7.3.1.730.R01
Summary:	MC-LAG redundancy issue when multi-chassis secondary goes down	
Explanation:	No Need to sync router macs to remote chassis in MC-LAG.	

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PR	<b>182182</b>	Build: 7.3.1.731.R01
Summary:	Illegal static routes allowed in OS6900 ip static-route 10.64.472.0/24 gateway 10.40.1.120	
Explanation:	Correct address and mask checking for static route.	
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PR	<b>182383</b>	Build: 7.3.1.735.R01
Summary:	OS6900 - BPDU not properly tunnelled through SAP ports; STP loop seen after ISSU upgrade to 7.3.1.730	
Explanation:	Add placeholder vport to LAG ports so IPMS does not miss information when member ports aren't present.	
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PR	<b>182258</b>	Build: 7.3.1.737.R01
Summary:	After reload of OS6900 VC setup ldap configuration is missing	
Explanation:	Propagate correct parameters for ldap-server option, hash-key.	
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PR	<b>181297</b>	Build: 7.3.1.739.R01
Summary:	Unable to issue "show configuration snapshot" and "write memory".	
Explanation:	Code updated to prevent buffer overflows	
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PR	<b>179374</b>	Build: 7.3.1.741.R01
Summary:	7.3.1.R01: wrong show command does not return error message	
Explanation:	Added check for NI available	
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PR	<b>182317</b>	Build: 7.3.1.744.R01
Summary:	udpRelayCmmd library(plApi) error	
Explanation:	udpRelayCmmd library (plApi) error: Check if the gport is a remote gport before calling port library APIs, since plApi's does not validate remote gport.	
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PR	<b>182641</b>	Build: 7.3.1.744.R01
Summary:	OS10K 40G ping lost throughout the switch after upgrade from 7.2.1.354.R02 to 7.3.2.344.R01	
Explanation:	Set flag=1 to BCD for arp-usage-request while refreshing, 0 otherwise.	
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PR	<b>182528</b>	Build: 7.3.1.744.R01
Summary:	MAC address collisions	
Explanation:	Callbacks routines were incorporated for MAC address collisions.	
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PR	<b>182933</b>	Build: 7.3.1.746.R01
Summary:	10K VC - SLB percent availability display issue after NTP server reconfigured	
Explanation:	Adjust percentage calculation. Include time from beginning till present. Use get time of monotonic clock. Change max weight from 64 to 32.	

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PR	<b>181393</b>	Build: 7.3.1.709.R01
Summary:	OS6900: arp is not deleted when an MCLAG linkagg port is admin-status disable	
Explanation:	Vlan Manger filter - VM_PORT_STATE Event update issue fixed	

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PR	<b>181645</b>	Build: 7.3.1.720.R01
Summary:	RADIUS Authentication issues with OS10K.	
Explanation:	Use correct message length for Accounting	

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PR	<b>181453</b>	Build: 7.3.1.711.R01
Summary:	switch getting healthModuleMemory1MinAvg	
Explanation:	Expand MIB index range on health MIB	

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PR	<b>180262</b>	Build: 7.3.1.691.R01
Summary:	Unable to configure the NTP server using nap's DNS Name	
Explanation:	Resolve the hostname passed via the NTP server command, by changing the gethostbyname calls with calls to getaddrinfo	

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PR	<b>181043</b>	Build: 7.3.1.724.R01
Summary:	Not all the LACP ports seen during MIB walk.	
Explanation:	For the first GetNext check inOidNum, not just inOidL as it may not be cleared correctly	

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PR	<b>182286</b>	Build: 7.3.1.733.R01
Summary:	OS 6900 issue with policy based port mirroring in virtual chassis setup.	
Explanation:	Added checks for source ports, array sizes, and proper destination for QoS enabled ports.	

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PR	<b>178366</b>	Build: 7.3.1.699.R01
Summary:	MCLAG/VFL link not passing traffic until primary link is admin down	
Explanation:	Use FP rules to trap Loop Detect PDUs to CPU; Use SequenceNum in PDU to avoid duplicate processing	

## Problems Fixed Between Builds 749 and 771

PR	<a href="#">182814</a>	Build: 7.3.1.750.R01
Summary:	DNS is not working on OS6900	
Explanation:	Fix done to propagate DNS query from slave chassis to Master chassis in VC for proper DNS functionality.	
PR	<a href="#">183899</a>	Build: 7.3.1.753.R01
Summary:	Swlogs filled with error message VlanMgrNi main error(2) and slave chassis filled with message bcmd	
Explanation:	Proper handling of corrupted STP BPDU packets without crashing the process.	
PR	<a href="#">184043</a>	Build: 7.3.1.755.R01
Summary:	Two OS6900-virtual chassis connected via static linkagg learning MAC-address in wrong ports running A	
Explanation:	Debug additions were added in Linkagg to capture the failure port.	
PR	<a href="#">184070</a>	Build: 7.3.1.756.R01
Summary:	System Time zone for South Africa or Disabling DST	
Explanation:	South Africa Time zone has been included in the switch time zone database.	
PR	<a href="#">183828</a>	Build: 7.3.1.760.R01
Summary:	Link Quality shows as Poor in "show interfaces" output	
Explanation:	The hardware settings were updated to show the correct link quality.	
PR	<a href="#">185452</a>	Build: 7.3.1.762.R01
Summary:	10K-VC is not displaying correct STP states on uplinks, creating a network loop	
Explanation:	Code updated to properly handle the socket connection on a takeover	
PR	<a href="#">186204</a>	Build: 7.3.1.764.R01
Summary:	10K & 6900 - SPB connectivity issue in vlan 1 after VC takeover	
Explanation:	Code updated to properly handle the default vlan 1 on a SAP port during takeover	
PR	<a href="#">182566</a>	Build: 7.3.1.765.R01
Summary:	ACL action "priority" modifies 802.1p field	
Explanation:	Qualifier added to match the IP Traffic for stamping the 802.1p field for tagging the packet priority.	

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PR **186739** Build: 7.3.1.768.R01  
Summary: ERROR: Invalid interface number. Flag=0x 208 chassis 2 mode 2 ready 1 connected  
Explanation: A reconnection mechanism is implemented when slave chassis supervisor loses connection with the master after the chassis ready in VC.

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PR **185453** Build: 7.3.1.769.R01  
Summary: clients find low download speed  
Explanation: Corrected the show configuration snapshot display issue when uucast flood limit is applied.

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PR **185277** Build: 7.3.1.770.R01  
Summary: Messages "ipni arp info (5) arp info overwritten" seen after upgrading OS6900 to 7.3.2.344.R01.  
Explanation: Proper port numbering format is incorporated in messages to be displayed in the logs.

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PR **187023** Build: 7.3.1.770.R01  
Summary: 6900-VC slave member continuously generating PMD once "chassis reached ready state" after reboot or  
Explanation: Proper formatting of logs carried out in source learning to avoid the crash while logging the info.

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PR **187237** Build: 7.3.1.771.R01  
Summary: 10K-VC :: SLB VIP@ connectivity issue when launching vc-takeover  
Explanation: QOS Redirect policy configuration corrected during Takeover.

## Problems Fixed Between Builds 772 and 780

PR	<b>186715</b>	Build: 7.3.1.773.R01
Summary:	OS10K - VC split	
Explanation:	Prevent disabling of VFL port when there are no active VFLs	
PR	<b>184819</b>	Build: 7.3.1.773.R01
Summary:	Port-Monitor causing linkagg to go down on U32E module.	
Explanation:	Fix check for bad reason code in packet driver	
PR	<b>187461</b>	Build: 7.3.1.775.R01
Summary:	10K-VC ISSU upgrade failed	
Explanation:	Timer has been increased to avoid ISSU failure due to Chassis Bootup Timeout	
PR	<b>185952</b>	Build: 7.3.1.776.R01
Summary:	OS 6900 linkagg 130 issue after issu upgrade.	
Explanation:	Check has been added to prevent the peer chassis VFL linkagg ID get displayed in current chassis show vlan members output	
PR	<b>187160</b>	Build: 7.3.1.777.R01
Summary:	6900-VC ISSU upgrade failed, chassis2 rebooted thrice	
Explanation:	Spanning tree update synchronization between NI and CMM Optimized.	
PR	<b>187638</b>	Build: 7.3.1.778.R01
Summary:	In switch OS6900-X20 code running 7.3.1.682.R01 got crashed with error follows appMgrClientTerminat	
Explanation:	Crash due to usage of long string as description in service spb sap configuration is fixed.	
PR	<b>187190</b>	Build: 7.3.1.779.R01
Summary:	Port in master unit remains down after VFL link split	
Explanation:	Changes done in VC Protocol to take care of chassis priority during VC split	
PR	<b>188383</b>	Build: 7.3.1.779.R01
Summary:	10K MCLAG back-to-back design - Connectivity issues when disabling then enabling Nis	
Explanation:	Fixes proper updating of hardware settings of MC LAG ports when linkAgg goes down	

## Problems Fixed Between Builds 781 and 823

PR	<b>188154</b>	Build: 7.3.1.782.R01
Summary:	LACP sync out are seen on the SPB interfaces, no physical port up/down reported	
Explanation:	LACP PDU which is not intended to the Port is dropped.	
PR	<b>188267</b>	Build: 7.3.1.783.R01
Summary:	Link Quality is N/A for Slave Chassis.	
Explanation:	Stpni_printStats table will print the local port numbers	
PR	<b>184661</b>	Build: 7.3.1.783.R01
Summary:	Misleading error for VPA creation on a port without chassis-id	
Explanation:	VPA Error messages have been corrected.	
PR	<b>188979</b>	Build: 7.3.1.787.R01
Summary:	Change the debug level of LACP sync out message	
Explanation:	Severity of LACP debug messages has been modified.	
PR	<b>187330</b>	Build: 7.3.1.789.R01
Summary:	OS6900 time zone and swlog time synchronization issue	
Explanation:	swlog timestamp is properly updated	
PR	<b>187323</b>	Build: 7.3.1.790.R01
Summary:	Switch crashed during stpNi initialization.	
Explanation:	Changes to properly handle TCN BPDU	
PR	<b>189109</b>	Build: 7.3.1.791.R01
Summary:	When service spb sap port description is above 23 characters, invalid output is seen in "Ingress Pkt	
Explanation:	Appropriately handle oversized string	
PR	<b>184523</b>	Build: 7.3.1.793.R01
Summary:	[OS 10K]- HAVLAN not flooding packets correctly, if source and destination are on the same port.	
Explanation:	Traffic destined to the cluster IP address and received on this port or LAG is not flooded back to this port or LAG. Code changes have been done to fix the same	

PR	<b>189057</b>	Build: 7.3.1.794.R01
Summary:	AVIO testing - After reloading 10K-VC chassis2's NTPD task crashed and chassis2 never came up	
Explanation:	NTPD task crash is fixed	
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PR	<b>189563</b>	Build: 7.3.1.795.R01
Summary:	6900-VC ISSU upgrade from 7.3.1.777.R01 to 7.3.1.780.R01 failed	
Explanation:	StpNi connect with stpcmm mechanism improved during takeover and issue.	
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PR	<b>187675</b>	Build: 7.3.1.796.R01
Summary:	We can't access to one of 6900 by telnet or ssh. Even ping can't reach to this switch.	
Explanation:	After Handling of admin status of SAP in IPMS properly telnet and ssh works fine	
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PR	<b>189672</b>	Build: 7.3.1.798.R01
Summary:	OSPF -unplanned- graceful restart does not work as expected during VC Master chassis failure MD5 seq	
Explanation:	After modifying MD5 authentication sequence number OSPF –unplanned - graceful restart works fine after VC- Take over	
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PR	<b>188474</b>	Build: 7.3.1.801.R01
Summary:	OS10K Ni(U32S) failed to initialize automatically after upgrade	
Explanation:	After nfs restart removal , 10kOS10K Ni(U32S) initialize automatically after upgrade	
<hr/>		
PR	<b>191603</b>	Build: 7.3.1.807.R01
Summary:	OS6900 displaying the below message Feb 3 20:03:29 fk1bf01 swlogd: svcNi mSVC error(2) Mismatch	
Explanation:	During SPB stats display, error message will not be seen in swlog.	
<hr/>		
PR	<b>191615</b>	Build: 7.3.1.812.R01
Summary:	Reload of Ni-1 on 10K VC resulted in lost all OSPF routes	
Explanation:	VFL Member port Synchronization optimized according to the secondary CMM present or not.	
<hr/>		
PR	<b>191622</b>	Build: 7.3.1.813.R01
Summary:	OS6900: Duplicate configuration present for SPB in "show configuration snapshot"	
Explanation:	show configuration snapshot will not display duplicate SPB configuration.	
<hr/>		
PR	<b>188069</b>	Build: 7.3.1.819.R01
Summary:	MC-LAG secondary is not routing after upgrade to 7.3.2.R01	
Explanation:	Debug has been added to collect the static route mismatch between CMM and Ni hardware.	

**Under Verification:**

PR **167979** Build: 7.3.1.446.R01  
 Summary: Warning message to be displayed if an SNMP station is configured with a non-existent user  
 Explanation: A warning message displayed when SNMP station is configured with non-existent user

PR **178400** Build: 7.3.1.674.R01  
 Summary: OS10K - "Sending health check message to NI" messages filled-up in the logs.  
 Explanation: Raised the log level for health check messages to NI

PR **181702** Build: 7.3.1.728.R01  
 Summary: Two OS10K switches getting some error messages on the swlogs continuously  
 Explanation: Raise log level for some port library APIs

PR **180081** Build: 7.3.1.732.R01  
 Summary: wants to see the traps On Console prompt  
 Explanation: Fixed the swlog id for SWLOG

PR **182249** Build: 7.3.1.741.R01  
 Summary: IGMP packets receives on Omni switch port which is not a part of specific VLAN.  
 Explanation: Add a condition in pkt\_drv to detect IGMP packet trap to CPU prior to the VPA check in HW

PR **180667** Build: 7.3.1.744.R01  
 Summary: Management ports such as Loopback, EMP, Management, etc, and routing interfaces report interface speed  
 Explanation: Report 1Gbps for ifSpeed for ip interfaces on vlans

PR **182596** Build: 7.3.1.747.R01  
 Summary: per-vlan IP-HELPER configuration is displaying in the switch even after removing the VLAN  
 Explanation: Code change to remove "ip helper per vlan only" configuration" as well as " generic udprelay dstvln configuration" while removing the VLAN

PR **183742** Build: 7.3.1.749.R01  
 Summary: OS6900: Frame Loss on traffic across Virtual Fabric Link  
 Explanation: Code change done to avoid ARP deletion and re-addition incise there is a difference in the internal flags used.



---

PR	<b>183903</b>	Build: 7.3.1.752.R01
Summary:	During issu upgrade from 7.3.1.682 to 7.3.1.748 (Chassis-1 rebooting), Linkagg-103 which had only on	
Explanation:	Code updated to properly handle a LinkAgg Down event when the port is a remote port	

---

PR	<b>183522</b>	Build: 7.3.1.753.R01
Summary:	Unable to display the VLAN in configuration.	
Explanation:	Code updated to fix a MIP overflow while generating the vlan name description	

---

PR	<b>184338</b>	Build: 7.3.1.757.R01
Summary:	OS 10K fans working at 85 % after upgrade to 7.3.1.748	
Explanation:	NI Temperature in the slot were resetted to default value after the removal of Faulty NI	

---

PR	<b>185606</b>	Build: 7.3.1.766.R01
Summary:	Wrong primary port output display in the command show linkagg port <slot/port>.	
Explanation:	Code changes done to show the primary port correctly for the linkAgg	

---

PR	<b>186299</b>	Build: 7.3.1.772.R01
Summary:	Unnecessary DHCP Offer / Ack packets received from OmniSwitch.	
Explanation:	Code changes done to handle unnecessary DHCP packets when next hop address is not configured.	

---

PR	<b>186988</b>	Build: 7.3.1.774.R01
Summary:	OS6900: High CPU caused by port-monitoring pmmcmd task.	
Explanation:	Implemented socket reconnection mechanism in port manager for any socket failures.	

---

PR	<b>184465</b>	Build: 7.3.1.775.R01
Summary:	6900 VC-pair master rebooted and unable to login master	
Explanation:	Debug additions provided for the page fault error in pktDrv	

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PR	<b>187948</b>	Build: 7.3.1.777.R01
Summary:	6900: EMP ip address distributed into OSPF	
Explanation:	Code updated to fix the issue	

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PR	<b>187493</b>	Build: 7.3.1.778.R01
Summary:	The OAM Loopback displays "100% packet loss" and Link trace displays "ERROR: LTR Entry does not exist"	
Explanation:	Code updated to properly populate the link aggregation gport at boot-up	
<hr/>		
PR	<b>188346</b>	Build: 7.3.1.781.R01
Summary:	stpni_printStats table - code changes needed in order to print the local port number instead of I	
Explanation:	Code changes done to print the local port number in stpNi_printStats	
<hr/>		
PR	<b>187413</b>	Build: 7.3.1.784.R01
Summary:	cp: write error: No space left on device.	
Explanation:	VPA Error messages have been corrected	
<hr/>		
PR	<b>188302</b>	Build: 7.3.1.785.R01
Summary:	plGetPortInfoFromBasePort@7483: Out of range VC chassis ID 3 error message seen in logs	
Explanation:	Error logs have been modified	
<hr/>		
PR	<b>188226</b>	Build: 7.3.1.786.R01
Summary:	linkAggCmm main info(5) Wrong index number 1 message seen in swlogs	
Explanation:	linkAggCmm main info(5) Wrong index number issue has been fixed	
<hr/>		
PR	<b>188434</b>	Build: 7.3.1.790.R01
Summary:	Ni7 interface counters show as zero when the interfaces are up and passing traffic on OS10K	
Explanation:	Display issue with IPV6 BGP has been fixed	
<hr/>		
PR	<b>187267</b>	Build: 7.3.1.791.R01
Summary:	OS6900 memory full and reboot.	
Explanation:	SINi memory leak issue has been fixed	
<hr/>		
PR	<b>187460</b>	Build: 7.3.1.795.R01
Summary:	6900-VC ISSU upgrade failed because VFL links are flapping then VC split occurred	
Explanation:	VFL Link flapping issue has been fixed	
<hr/>		
PR	<b>188390</b>	Build: 7.3.1.797.R01
Summary:	Port-Mirroring causing issues in the network.	
Explanation:	port-mirroring issue has been fixed	
<hr/>		
PR	<b>184885</b>	Build: 7.3.1.799.R01
Summary:	Mac-learning issue on OS10K.	
Explanation:	Mac-learning issue on OS10K issue has been fixed in 10k	



PR	<b>185771</b>	Build: 7.3.1.800.R01
Summary:	With OS 6900 after the port monitoring command it is not responsive and not able to remove the port	
Explanation:	Allow deletion of port monitoring of slave chassis, when it is down.	
PR	<b>188878</b>	Build: 7.3.1.802.R01
Summary:	on OS10K switch, "show mac-learning summary" command does not work	
Explanation:	show mac-learning will properly display the mac-address learned in the linkagg ports.	
PR	<b>188535</b>	Build: 7.3.1.805.R01
Summary:	VLAN inactive in a VC	
Explanation:	In chassis 2, port is properly attached to the configured vlan.	
PR	<b>188746</b>	Build: 7.3.1.806.R01
Summary:	lbs-mdf-2 local2.err swlogd: lldpCmm library(plApi) error(2) plGetIfIndexFromBasePort@1649: Get port	
Explanation:	During snmp walk, lldp will not display error in swlog.	
PR	<b>190839</b>	Build: 7.3.1.811.R01
Summary:	eoamCmm task crash on deleting the config of eoam port followed by show configuration snapshot ethoam	
Explanation:	Refined code to prevent double free scenarios which will in turn prevents crash due to double free or corruption	
PR	<b>192308</b>	Build: 7.3.1.814.R01
Summary:	OS6900: TCP port 179 display issue.	
Explanation:	show tcp ports will properly display the TCP statistics.	
PR	<b>190572</b>	Build: 7.3.1.814.R01
Summary:	OS6900 errors seen frequently: ipni arp info(5) arp info overwritten messages	
Explanation:	With sflow configured, arp will be properly learned on the corresponding ports.	
PR	<b>191901</b>	Build: 7.3.1.818.R01
Summary:	OS10k switch crashed with generating PMD file.	
Explanation:	Memory leak in source learning task is corrected to free the memory appropriately.	
PR	<b>192874</b>	Build: 7.3.1.820.R01
Summary:	Ref PR# 191901: Wrong socket structure makes infinite loop of flush events from stpNi to SINi	
Explanation:	Source Learning and STP NI task socket connection optimized in case of reconnect after a disconnect.	
PR	<b>192594</b>	Build: 7.3.1.821.R01

Summary: OS6900: OSPF neighbor ship does not establish when changing the metric value in SPB.  
 Explanation: Source learning in software reconnects mechanism optimized with bcm.

---

PR **192432** Build: 7.3.1.821.R01  
 Summary: Virtual chassis of 6 rebooted with error message "Thu Mar 27 14:20:02 : bcmd rpcs alert message: +++  
 Explanation: Source learning in software reconnect mechanism optima with bcm.

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PR **191748** Build: 7.3.1.823.R01  
 Summary: AOS6900 (Virtual Chassis) rebooted automatically, analysis required.  
 Explanation: QoS CMM will accept the connection from only QoS Ni and rejects connection from other sources.

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PR **191041** Build: 7.3.1.803.R01  
 Summary: 6900-VC :: ISSU failures, vmNi task failed to acknowledge VC takeover  
 Explanation: VlanMgrNi VCTakeover During ISSU Synchronization optimized.

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PR **189185** Build: 7.3.1.790.R01  
 Summary: Display issue in AOS6900 when IPV6 BGP is configured.  
 Explanation: Display issue with IPV6 BGP has been fixed.

## Known Issues:

PR **173382**  
 Summary: HealthCmm/healthNi message on 10K  
 Explanation: Currently, there are no swlogs indicating the CPU usage has crossed the threshold

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PR **179794**  
 Summary: "debug ip set ipedrArpUnreachControl 0" is present in running config by default  
 Explanation: When only icmp unreachable host-unreachable is configured, ICMP un-reachable message would be sent to only the source which has initiated the ARP in the switch. All other following source packets would not be responded by ICMP un-reachable message.

After ARP entry is timed out, again if new source initiates the ARP entry in the switch a new ICMP un-reachable message would be generated to the new source.

=====

NOTE: For complete (existing) functionality both icmp unreachable host-unreachable and debug set ipedrArpUnreachControl 0 should be configured.

=====

**PR 159817**

Summary: The keyword ssh is removed from the prompt line after entering ssh? <enter>  
Explanation: The keyword 'ssh' is removed from the prompt line after entering 'ssh ? <enter>'  
Workaround: Retype 'ssh' after using the '?'.

---

**PR 171468**

Summary: 10K ERROR: Ip Address must not conflict with interface EMP-CMMA  
Explanation: The IP address scheme between the EMP and IP interfaces cannot conflict. Either the EMP or the IP interface must be changed to prevent this situation

---

**PR 128503**

Summary: Oversized packets are not displayed in the CLI in OS9700  
Explanation: Oversize frames counter in CLI command 'show interfaces slot/port' is not incrementing when the switch is transmitting/receiving oversize frames.  
Workaround: Use the 'show interfaces slot/port accounting' command and refer to the 'Oversize' parameter.

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**PR 177815**

Summary: Ni not powering up after a power failure/reboot

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**PR 168406**

Summary: Optimize mac-flush process for SPB

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## New Software Features:

### 1.DCB Profile 11

**Introduction:**

The Windows driver for Intel NIC has a fixed number of traffic classes (i.e. 8) and the Priority to TC Mapping uses a linear mapping. In the current set of profiles, there are only two profiles which match both the criteria, profile 7 and profile 8. However, both have scheduling type as SP. To support ETS BW allocations with 8 TCs and linear priority to TC mapping a new pre-defined profile has been created, DCB profile 11 (DCP-11).

**Note:** DCB profile number 11 will be reserved for this profile. If a custom profile 11 was created prior to installing this release, that profile will be rejected at boot up and through the user interface (CLI, SNMP, and Webview).

#### CLI Display Commands:

```
show qos qsp dcb 11
show qos qsp dcb 11 tc
```

#### CLI Usage Command:

```
qos qsi port 1/1/1 qsp dcb 11
```

Below is the detailed profile definition for DCB Default Profile\_11:

Eight Traffic Classes – {NC}, {IC}, {VO}, {VI}, {CA}, {EE}, {BK}, {BE}

# of Traffic Classes: 8

X=12

Y=13

Z=25

W=5

TC\_0 :: TP:{1}, TT:{BE}, TFC:{LL}, BW:{min= X%PR, Max=PR}, Schd:{ ETS }

TC\_1 :: TP:{0}, TT:{BK}, TFC:{LL}, BW:{min= X%PR, Max=PR}, Schd:{ ETS }

TC\_2 :: TP:{2}, TT:{EE}, TFC:{LL}, BW:{min= X%PR, Max=PR}, Schd:{ ETS }

TC\_3 :: TP:{3}, TT:{CA}, TFC:{LL}, BW:{min= X%PR, Max=PR}, Schd:{ ETS }

TC\_4 :: TP:{4}, TT:{VI}, TFC:{LL}, BW:{min= YPR, Max=PR}, Schd:{ ETS }

TC\_5 :: TP:{5}, TT:{VO}, TFC:{LL}, BW:{min= Y%PR, Max=PR}, Schd:{ ETS }

TC\_6 :: TP:{6}, TT:{IC}, TFC:{LL}, BW:{minY%PR, Max=PR}, Schd:{ ETS }

TC\_7 :: TP:{7}, TT:{NC}, TFC:{LL}, BW:{min= Y%PR, Max=PR}, Schd:{ ETS }

## 2. HAVLAN Loopback Option

### Introduction:

With the current server-cluster (HAVLAN) implementation on OS10K, when a port or LAG is configured as member for the server-cluster and the “client IP” interface(s), traffic destined to the cluster IP address and received on this port or LAG is not flooded back to this port or LAG.

New CLI option has been provided to enable Loopback for HAVLAN. The command is supported only on OS10K and is specific to L3 mode

### Platforms Supported:

OmniSwitch 10K

**Commands usage:**

```
server-cluster <cluster-id> loopback {enable/disable}
```

**Usage:**

The command is used to enable/disable HAVLAN loopback.

By default, loopback will be disabled for the server cluster group.

To enable/disable loopback, the admin status of the server cluster group should be disabled.

**Limitations:**

None

### 3. Swlog Archive

**Introduction:**

Swlog Archive feature provides additional debugging functionality by archiving old swlog files under the directory `/flash/swlog_archive`.

With this new feature, swlog files for the switch were increased from original 6 to 20. Swlog 0-6 were present under `/flash` directory and remaining logs from 7 to 20 were archived and present under `/flash/swlog_archive`.

The log rotation is being carried out for 20 swlog files and latest 20 swlog files were kept in the switch. The `swlog_archive` folder is part of `tech_support eng tar` file and it will be available using `show tech-support eng` CLI command.

The archives file `swlogvc.tar` present under `/flash/swlog_Archive` can be extracted using `tar` command to get the required swlog archive files (7-20). Each swlog file in archive is internally zipped and `tar` utility is needed to `untar` the individual swlog file. These untarred swlog files can be viewed normally in windows using any text files viewer application.

**Platforms Supported:**

Omni Switch 10K, Omni Switch 6900

**CLI Display Commands:**

```
show tech-support eng
```

**Limitations:**

None