

Intermediate Release Notes

OmniSwitch 6624/6648/7700/7800/8800

Release 5.4.1.557.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 releases not posted on the Web, or if you have questions or concerns, please contact Alcatel's Technical Support Department.

| | |
|---|----|
| Intermediate Release Notes | 1 |
| OmniSwitch 6624/6648/7700/7800/8800 | 1 |
| Release 5.4.1.557.R01 | 1 |
| Problems Fixed Between Builds 236 and 283 | 3 |
| Problems Fixed Between Builds 284 and 288 | 8 |
| Problems Fixed Between Builds 289 and 298 | 9 |
| Problems Fixed Between Builds 299 and 322 | 10 |
| Problems Fixed Between Builds 323 and 330 | 12 |
| Problems Fixed Between Builds 331 and 341 | 13 |
| Problems Fixed Between Builds 342 and 352 | 14 |
| Problems Fixed Between Builds 353 and 363 | 15 |
| Problems Fixed Between Builds 364 and 375 | 17 |

| | |
|---|----|
| Problems Fixed Between Builds 376 and 385 | 18 |
| Problems Fixed Between Builds 386 and 401 | 19 |
| Problems Fixed Between Builds 402 and 416 | 21 |
| Problems Fixed Between Builds 417 and 424 | 22 |
| Problems Fixed Between Builds 425 and 435 | 23 |
| Problems Fixed Between Builds 436 and 455 | 24 |
| Problems Fixed Between Builds 456 and 464 | 27 |
| Problems Fixed Between Builds 465 and 471 | 27 |
| Problems Fixed Between Builds 472 and 477 | 28 |
| Problems Fixed Between Builds 478 and 488 | 28 |
| Problems Fixed Between Builds 489 and 495 | 29 |
| Problems Fixed Between Builds 496 and 500 | 29 |
| Problems Fixed Between Builds 501 and 510 | 30 |
| Problems Fixed Between Builds 511 and 516 | 31 |
| Problems Fixed Between Builds 517 and 522 | 32 |
| Problems Fixed Between Builds 523 and 525 | 32 |
| Problems Fixed Between Builds 526 and 540 | 33 |
| Problems Fixed Between Builds 541 and 553 | 34 |
| Problems Fixed Between Builds 554 and 557 | 35 |
| Under Verification | 36 |
| Known Issues | 41 |

Problems Fixed Between Builds 236 and 283

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|--------------|--|--------|---------------|
| PR | 82076 | Build: | 5.4.1.236.R01 |
| Summary: | Power Down/Up traps not sent to the NMS station if the redundant power supply isn't on primary unit | | |
| PR | 100171 | Build: | 5.4.1.236.R01 |
| Summary: | OS6 stalled with QDISPATCHER warnings and Invalid Address used during a memory free with MemMon dump | | |
| Explanation: | IPC Receive logic in 6600 had couple of flaws which resulted in bad memory reference, bad receive and memory double free errors. Resolved these by improving the IPC receive logic and fixing some of the loopholes in transmit functions. | | |
| PR | 100358 | Build: | 5.4.1.236.R01 |
| Summary: | OS6602 doesn't respect IP mobility rule when MAC rule is removed. Impacts Quarantine Manager QM | | |
| Explanation: | VLAN port hardware setting is not flushed properly when MAC rule is getting deleted. So fix is done to flush the VLAN port hardware setting of that specific VLAN configured in that rule. | | |
| PR | 100422 | Build: | 5.4.1.236.R01 |
| Summary: | No Trap are sent to the NMS when a stacking link is disconnected | | |
| PR | 100835 | Build: | 5.4.1.236.R01 |
| Summary: | Clearing the switch log files removes the syslog server configuration | | |
| Explanation: | Preserve swlog socket configuration after swlog clear | | |
| PR | 100969 | Build: | 5.4.1.236.R01 |
| Summary: | CPU spikes caused by TaGmnCtrl when changing VLAN port assignment | | |
| Explanation: | Issue is due to the task stuck up in the for loop for 2-3 seconds. So CPU hikes to 100% utilization. Proper defense checks are added for reducing the for loop. Now 100% CPU usage is avoided. | | |
| PR | 100871 | Build: | 5.4.1.237.R01 |
| Summary: | Apply OpenSSH patch. | | |

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|--------------|--|--------|---------------|
| PR | 100512 | Build: | 5.4.1.238.R01 |
| Summary: | ALL SNMP traffic (traps + replies) outgoing the switch should use Loopback0 as IP-SA | | |
| Explanation: | All SNMP traffic should use Loopback0 as IP -SA if configured | | |
| PR | 100838 | Build: | 5.4.1.239.R01 |
| Summary: | "Unable to remove NI %d from multicast socket" is recorded upon NI reboot | | |
| PR | 101421 | Build: | 5.4.1.239.R01 |
| Summary: | OS6: Slow Management Telnet -Ping upon Linkagg Up-Down depending on the Up-Down order | | |
| PR | 101753 | Build: | 5.4.1.242.R01 |
| Summary: | 6800 Switch : Auth ip responding to Client DNS query before login | | |
| PR | 101522 | Build: | 5.4.1.243.R01 |
| Summary: | LSA from 64th neighbor not been programmed into the kernel routing table | | |
| PR | 101475 | Build: | 5.4.1.244.R01 |
| Summary: | 100% CPU load as soon as port network cable on mobile port is unplugged and re-plugged | | |
| PR | 101991 | Build: | 5.4.1.245.R01 |
| Summary: | Crashes on AOS switches after turning on IPMS | | |
| PR | 101487 | Build: | 5.4.1.246.R01 |
| Summary: | On OS68, IPMS is blocked when linkagg port disconnects | | |
| PR | 101926 | Build: | 5.4.1.247.R01 |
| Summary: | 802.1x fail authentication policy not working in 6602 Switch | | |
| PR | 102090 | Build: | 5.4.1.247.R01 |
| Summary: | OS7 LinkAgg port is not learning/sending any traffic via one port on one VLAN | | |
| PR | 101115 | Build: | 5.4.1.248.R01 |
| Summary: | swlog output socket' completion command refers to rfc -3513 | | |

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|--------------|---|--------|---------------|
| PR | 102212 | Build: | 5.4.1.248.R01 |
| Summary: | MAC learned on Linkagg are not aging out in CMM | | |
| PR | 102718 | Build: | 5.4.1.250.R01 |
| Summary: | Renew AVLAN java applets | | |
| PR | 103096 | Build: | 5.4.1.250.R01 |
| Summary: | L3SrcUnicast L3DestBroad DHCP packets are not relayed if the L3 src is in the DHCP server network | | |
| PR | 101577 | Build: | 5.4.1.251.R01 |
| Summary: | The mac-address of the client shows up in the Avlan and Default Vlan even after getting de-authentication | | |
| Explanation: | Corrected Mac-address comparison for avlan client mac-address in a specific scenario. | | |
| PR | 103198 | Build: | 5.4.1.253.R01 |
| Summary: | 802.1x will not work on the same port that has mac authentication | | |
| PR | 102979 | Build: | 5.4.1.256.R01 |
| Summary: | Unable to display switch log file in WebView | | |
| PR | 103093 | Build: | 5.4.1.257.R01 |
| Summary: | After canceling the scheduled reload it affects the configuration status; Need fix. | | |
| PR | 104222 | Build: | 5.4.1.257.R01 |
| Summary: | Unable to save MD5 ospf configuration | | |
| PR | 101544 | Build: | 5.4.1.258.R01 |
| Summary: | SLB does not work once ip SLB server admin status is disable and enable again | | |
| PR | 104878 | Build: | 5.4.1.258.R01 |
| Summary: | Second Generation Modules are not displayed in the WebView of OS7700 | | |
| PR | 104067 | Build: | 5.4.1.259.R01 |
| Summary: | Corrupted multicast entries | | |

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|--------------|---|--------|---------------|
| PR | 105174 | Build: | 5.4.1.260.R01 |
| Summary: | DVMRP routes process caused switch to crash with cs_system.pmd | | |
| Explanation: | DVMRP Route processing logic corrected to terminate the route processing when the length of the packet is less than minimum length. | | |
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| PR | 102530 | Build: | 5.4.1.261.R01 |
| Summary: | Last change value for vlan ip not displayed correctly in OmniVista. | | |
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| PR | 104849 | Build: | 5.4.1.261.R01 |
| Summary: | show 802.1x' on stack of 6600 locks up console | | |
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| PR | 104852 | Build: | 5.4.1.261.R01 |
| Summary: | 802.1x non-supp mac-authentication fails but port still passes unicast traffic | | |
| <hr/> | | | |
| PR | 105047 | Build: | 5.4.1.261.R01 |
| Summary: | 802.1x ports still have 802.1x policies even though 802.1x is disabled | | |
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| PR | 105114 | Build: | 5.4.1.261.R01 |
| Summary: | 6600 unit in stack comes back up after crash vlan port never goes to forwarding | | |
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| PR | 103547 | Build: | 5.4.1.262.R01 |
| Summary: | OS7700: Previously configured static route doesn't work after rebooting the switch | | |
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| PR | 104966 | Build: | 5.4.1.262.R01 |
| Summary: | 802.1x Request Identity not triggered if there is no EAP -Start | | |
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| PR | 105512 | Build: | 5.4.1.263.R01 |
| Summary: | STP were not detecting and blocking the ports with these Type 1 (IBM) connectors | | |
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| PR | 104059 | Build: | 5.4.1.264.R01 |
| Summary: | QoS classify13 bridged causes the switch not to forward traffic after HSRP routers toggle | | |

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| PR | 98493 | Build: | 5.4.1.266.R01 |
| Summary: | The Switch uses the outer "anonymous" Username in 802.1x Accounting packet in case of EAP-TTLS-PAP | | |
| Explanation: | Radius Client Software on AOS ignores User -Name Attribute returned from Radius Server in Access Accept packets. As per Radius RFC this is not mandatory, but it is important to use this name for accounting requests where the clients authenticate based on ttls authentication mechanism wherein the inner user name is not interpreted by the AOS switches. With the Fix User Name if returned from Radius Server is interpreted and stored and used up for accounting requests and hence Radius Server maintains accounting based on the actual user name. | | |
| PR | 105737 | Build: | 5.4.1.266.R01 |
| Summary: | "memPartAlloc: block too big" memory corruption with large STP configuration file | | |
| PR | 104054 | Build: | 5.4.1.267.R01 |
| Summary: | Internal Error when executing "802.1x initialize slot/port" on non 802.1x ports | | |
| PR | 104053 | Build: | 5.4.1.268.R01 |
| Summary: | Internal Error when creating an IP interface with more than 20 characters | | |
| PR | 105880 | Build: | 5.4.1.269.R01 |
| Summary: | Impossible to stack 6602 -48: csHsmNsmT2EndAppliStart() receive EOAS | | |
| PR | 99548 | Build: | 5.4.1.270.R01 |
| Summary: | Interface uptime is wrongly displayed on A OS switches | | |
| PR | 104896 | Build: | 5.4.1.273.R01 |
| Summary: | 802.1x mac-auth users go down and never recover after 5 second spanning tree loop | | |
| PR | 105359 | Build: | 5.4.1.273.R01 |
| Summary: | Huge volume of multicast traffic spikes the CPU TO 100 % with T TL value set to 1 in 6602 | | |
| Explanation: | Reduce IPMS processing for multicast data packets with IP ttl 1 which are sent to software for statistics purpose. | | |

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|--------------|--|--------|---------------|
| PR | 105754 | Build: | 5.4.1.275.R01 |
| Summary: | DHCP Relay forwarding do not comply with RFC2131 wh en the Offer is not in GiAddr subnet | | |
| PR | 99748 | Build: | 5.4.1.276.R01 |
| Summary: | CLI lock up if the telnet session to the switch is lost when trying to read a pmd file | | |
| Explanation: | Mismatch between the MIB file & trap manager file is fixed | | |
| PR | 103192 | Build: | 5.4.1.276.R01 |
| Summary: | System hung with crash file | | |
| PR | 105862 | Build: | 5.4.1.276.R01 |
| Summary: | Client cannot get an IP address if avlan default -traffic is enabled. | | |
| PR | 106509 | Build: | 5.4.1.276.R01 |
| Summary: | AMAP information of Local Slot not displayed properly when using a SNMP Get command on MIB Browser | | |
| PR | 107150 | Build: | 5.4.1.279.R01 |
| Summary: | 802.1x performance issue | | |
| PR | 106173 | Build: | 5.4.1.281.R01 |
| Summary: | IP interface changes on the switch can not be seen on OmniVist a without reload | | |
| PR | 106193 | Build: | 5.4.1.282.R01 |
| Summary: | NI extractions | | |

Problems Fixed Between Builds 284 and 288

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|----------|---|--------|---------------|
| PR | 102999 | Build: | 5.4.1.285.R01 |
| Summary: | Enhancement code for Data Exception | | |
| PR | 82076 | Build: | 5.4.1.287.R01 |
| Summary: | Power Down/Up traps not sent to the NMS station if the redundant power supply isn't on primary unit | | |

PR **105775** Build: 5.4.1.288.R01
 Summary: OmniSwitch running DVMRP reporting "Recvd invalid mask "

PR **107419** Build: 5.4.1.288.R01
 Summary: Port is not moving to mobile when all the rules are of Ethernet II and ethertype alone varies
 Explanation: Code changes done in GMN for handling unknown prototype

PR **107555** Build: 5.4.1.288.R01
 Summary: Permanent Mac is getting Flushed When NI is Made Down

Problems Fixed Between Builds 289 and 298

PR **107618** Build: 5.4.1.289.R01
 Summary: OSPF Route not synchronized with IP routing table

PR **107599** Build: 5.4.1.290.R01
 Summary: Telnet/SSH/FTP do not work when local proxy ARP is enabled.

PR **107864** Build: 5.4.1.291.R01
 Summary: Port shutdown when CPU reach a configured Threshold

PR **103257** Build: 5.4.1.292.R01
 Summary: System timezone configured on any AOS switch is not stored in boot.cfg

PR **93035** Build: 5.4.1.293.R01
 Summary: IP Multicast 'leave group' messages are sent with a wrong Source Address
 Explanation: Leave messages were sent with an invalid Source MAC address, two bytes were added before the MAC address. For example: the following address was sent 00 00 01 00 5e xx instead of 01 00 5e xx xx xx.

PR **108177** Build: 5.4.1.293.R01
 Summary: Unable to create ipms forwarding entry

PR **108236** Build: 5.4.1.293.R01
 Summary: 6648 reporting ipms memory allocation

PR **96221** Build: 5.4.1.295.R01
 Summary: SFM down FABRIC: Awaiting enough UP Fabrics (#up=0)

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| PR | 101853 | Build: | 5.4.1.295.R01 |
| Summary: | When reading MIB entries a stack is handled as one chassis | | |
| PR | 107583 | Build: | 5.4.1.298.R01 |
| Summary: | Switch crashed with MemMon dump and source learning task suspended | | |
| PR | 108454 | Build: | 5.4.1.298.R01 |
| Summary: | PC with dynamic IP address fail to classify under non-suppliant GM policy | | |

Problems Fixed Between Builds 299 and 322

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|--------------|--|--------|---------------|
| PR | 94914 | Build: | 5.4.1.299.R01 |
| Summary: | SNMP response sent twice for the first SNMP get | | |
| Explanation: | Drop duplicate SNMP Request packets received in IPNI via the source learning path from hardware in the following particular case - when the destination IP is resolved and when the source IP is not yet resolved/learn t. | | |
| PR | 108705 | Build: | 5.4.1.300.R01 |
| Summary: | Though the mobile port is moved to respective vlan , DHCP is flooded on default vlan | | |
| PR | 101852 | Build: | 5.4.1.302.R01 |
| Summary: | When reading MIB serial numbers are not shown completely | | |
| PR | 108528 | Build: | 5.4.1.303.R01 |
| Summary: | Switch is not rechecking QoS policies when traffic path changes | | |
| PR | 108625 | Build: | 5.4.1.303.R01 |
| Summary: | QoS task locked up when OV is disconnected while applying a new rule | | |
| PR | 107504 | Build: | 5.4.1.304.R01 |
| Summary: | RMON not updating | | |
| PR | 108666 | Build: | 5.4.1.304.R01 |
| Summary: | QoS "maximum bandwidth" limits bandwidth to values not accurate | | |

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|--------------|--|--------|---------------|
| PR | 108907 | Build: | 5.4.1.306.R01 |
| Summary: | 802.1x port doesn't grab a IP until unless the port belongs to default vlan to which it moves | | |
| PR | 102303 | Build: | 5.4.1.307.R01 |
| Summary: | 2nd stack switch gets IP address with source MAC address 00:00:00:01:00:00 | | |
| PR | 108701 | Build: | 5.4.1.308.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 | 108713 | Build: | 5.4.1.308.R01 |
| Summary: | LinkAgg Task crash after NI extraction | | |
| PR | 108143 | Build: | 5.4.1.309.R01 |
| Summary: | OSPF LSDB entries do not register in the routing table | | |
| PR | 101176 | Build: | 5.4.1.312.R01 |
| Summary: | AOS switches go to unsaved state when trap replay turned on OV | | |
| PR | 107510 | Build: | 5.4.1.314.R01 |
| Summary: | 8800 losing communication with NIs running 5.4.1 | | |
| PR | 109280 | Build: | 5.4.1.314.R01 |
| Summary: | 68xx new daylight saving time for March 11, 2007 compliance does not work. It would select March 4 | | |
| PR | 108850 | Build: | 5.4.1.315.R01 |
| Summary: | Onex task got suspended on 6850 PMD was generated | | |
| PR | 109307 | Build: | 5.4.1.315.R01 |
| Summary: | Need a command to set the NAS -Port-Type on a switch | | |
| PR | 109273 | Build: | 5.4.1.318.R01 |
| Summary: | BPDUShutdownPorts is not working for 802.1x port | | |

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|----------|---|--------|---------------|
| PR | 107557 | Build: | 5.4.1.319.R01 |
| Summary: | OS8800 - Switch crashed after adding new OSPF area into network. PMD files created. | | |
| PR | 103274 | Build: | 5.4.1.320.R01 |
| Summary: | Memory corruption under special telnet exit with zcBufDelete: Task 0x4016020 freeing bad buffer (S) | | |
| PR | 109315 | Build: | 5.4.1.321.R01 |
| Summary: | OS7800: Dump File Analysis. Switch crashed with pmds. | | |
| PR | 109228 | Build: | 5.4.1.322.R01 |
| Summary: | OSPF-RIP NSSA Area redistribution issue | | |

Problems Fixed Between Builds 323 and 330

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|----------|--|--------|---------------|
| PR | 103890 | Build: | 5.4.1.325.R01 |
| Summary: | Need to know the reason for message firenzeI2cReceiveAck: Read Error Slot 6 Firenze 2 Gbic 7 | | |
| PR | 108028 | Build: | 5.4.1.326.R01 |
| Summary: | OS-6648 QDRIVER alert qd efp: enet buffer alloc failure | | |
| PR | 109686 | Build: | 5.4.1.327.R01 |
| Summary: | OS7700 will output STR EsmDrv error | | |
| PR | 109965 | Build: | 5.4.1.328.R01 |
| Summary: | Wrong vlan assigned after a 802.1x authentication on a radius server connected to an OS6602 | | |
| PR | 111025 | Build: | 5.4.1.328.R01 |
| Summary: | 802.1x failure result in PC grabbing wrong IP address. | | |
| PR | 110224 | Build: | 5.4.1.329.R01 |
| Summary: | After link down - multicast source is not registering with PIMSM RP | | |
| PR | 110228 | Build: | 5.4.1.329.R01 |
| Summary: | PIM-SM Crash | | |

PR **109140** Build: 5.4.1.330.R01
 Summary: 7700 uptime reset after 497 days
 Explanation: sysUpTime is not wrapped up after 497 days.

PR **109997** Build: 5.4.1.330.R01
 Summary: OS-7000 showing many PORT-MGR messages

Problems Fixed Between Builds 331 and 341

PR **107496** Build: 5.4.1.331.R01
 Summary: Correct level for systrace messages which are filling up the systrace buffer
 Explanation: Severity level of the systrace buf of the message which fills the system trace buffer reduced.

PR **110080** Build: 5.4.1.333.R01
 Summary: 7700 crash with memory exception

PR **108012** Build: 5.4.1.334.R01
 Summary: OSPF LSDB routes not being processed

PR **101253** Build: 5.4.1.335.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 **110374** Build: 5.4.1.335.R01
 Summary: IGMP Report Messages are duplicated, proxy behavior is not clear

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| PR | 112364 | Build: | 5.4.1.335.R01 |
| Summary: | RFC 2868 using 802.1x authentication tunnel attributes not working on 7700 using code 5.4.1.322R01 | | |
| PR | 111238 | Build: | 5.4.1.336.R01 |
| Summary: | OS9700 Cannot rip peer with other vend router. RIP updates received only once after interface is up. | | |
| PR | 111033 | Build: | 5.4.1.338.R01 |
| Summary: | Learned Port-Security with mac-range blocks valid and invalid mac-addresses | | |
| PR | 90581 | Build: | 5.4.1.339.R01 |
| Summary: | httpServerDoSAttackTrap contains no src IP of the attack | | |
| PR | 112456 | Build: | 5.4.1.340.R01 |
| Summary: | When STP is disabled able to see the RP and NBRP | | |
| Explanation: | Resetting the Spanning Tree parameters if the Spanning tree is disabled. | | |
| PR | 92679 | Build: | 5.4.1.341.R01 |
| Summary: | Task tpism suspended after some configuration changes | | |
| Explanation: | Using Static-RP Configuration and then changing the max-rps may cause tpism to suspend. | | |
| PR | 111412 | Build: | 5.4.1.341.R01 |
| Summary: | OS9700 creates dump file and NI 2 hangs up for 5 minutes after upgrading the code. | | |
| Explanation: | Process linkAgg Marker PDU's on the ports only where linkagg is enabled. If marker PDU's are received on non-linkAgg ports discard those packets. | | |

Problems Fixed Between Builds 342 and 352

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|----------|---|--------|---------------|
| PR | 113585 | Build: | 5.4.1.343.R01 |
| Summary: | 7800 switch does not respond to SNMP query for GNI2-U2 module | | |
| PR | 115064 | Build: | 5.4.1.345.R01 |
| Summary: | Port status is Forwarding without a cable attached. | | |

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| PR | 115736 | Build: | 5.4.1.347.R01 |
| Summary: | Show aaa avlan auth-ip <vlan#> shows unexpected results. | | |
| PR | 115499 | Build: | 5.4.1.349.R01 |
| Summary: | SNMP "get" returns wrong values for some AOS mibs | | |
| PR | 108902 | Build: | 5.4.1.352.R01 |
| Summary: | New burst of traffic is not being flooded (only 2 out of 10 packets are flooded) | | |
| PR | 110083 | Build: | 5.4.1.352.R01 |
| Summary: | It takes around 4 to 5 min for the mac-address to get flushed out when the auth client is disconnect | | |

Problems Fixed Between Builds 353 and 363

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| PR | 114504 | Build: | 5.4.1.353.R01 |
| Summary: | OSPF Border Routers aging out on second hop router, first router not flooding LSA | | |
| PR | 116786 | Build: | 5.4.1.353.R01 |
| Summary: | OSPF issue: In NSSA redistributed RIP routes are not learned with correct destination IP | | |
| PR | 116191 | Build: | 5.4.1.354.R01 |
| Summary: | Show vlan [instance] port and show spantree ports, display different results in 6602 with 5.1.6.353 | | |
| PR | 116445 | Build: | 5.4.1.354.R01 |
| Summary: | sysUptime is not reported accurately in WebView | | |
| PR | 98291 | Build: | 5.4.1.355.R01 |
| Summary: | BPDU are not sent out when reverting back to STP Flat Mode and re-enabling VLAN 1 | | |
| Explanation: | In FLAT mode, STP kernel is enabled when VLAN admin state is received after the vlan stp state. | | |

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| PR | 100931 | Build: | 5.4.1.357.R01 |
| Summary: | 802.3ad (Dynamic) and Omnichannel (static) in AOS Vs Etherchannel in IBM P57D (AIX 50) server. | | |
| PR | 108600 | Build: | 5.4.1.357.R01 |
| Summary: | Lpower ->suspended on stack of 6600 and created dump file | | |
| PR | 105084 | Build: | 5.4.1.358.R01 |
| Summary: | Cannot ping, telnet, WebView, vlan1 ip obtained from ip helper bootstrap enable on 6600 switch | | |
| PR | 106638 | Build: | 5.4.1.358.R01 |
| Summary: | System crash upon creating a new VLAN with CS except handler: exception 768 in task 0x89b4a40 | | |
| PR | 107673 | Build: | 5.4.1.358.R01 |
| Summary: | task taQoS was suspended on NI-8 and pmd file created need to analyze the same : | | |
| PR | 108563 | Build: | 5.4.1.358.R01 |
| Summary: | Unexpected takeover of CMM_B on a OS7700 with error exception - Floating-Point Exception IEEE-754 | | |
| PR | 108708 | Build: | 5.4.1.358.R01 |
| Summary: | OSPF adjacency cleared and the CMM may reset when the system time is manually changed | | |
| PR | 109011 | Build: | 5.4.1.358.R01 |
| Summary: | When PC moved from one vlan to another the PC still pulls up the same IP as earlier vlan subnet | | |
| PR | 109293 | Build: | 5.4.1.358.R01 |
| Summary: | Ping across static linkagg failed when primary link failed | | |
| PR | 111567 | Build: | 5.4.1.358.R01 |
| Summary: | STP crash while hotswapping 10 gigabit module | | |
| Explanation: | Check added to avoid crash during SNMP get on STP tables. | | |

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| PR | 113129 | Build: | 5.4.1.358.R01 |
| Summary: | Certain AVLAN client can't get log off from switch | | |
| Explanation: | The avlan auth ip structure gets corrupted, when a vlan is deleted. The corruption is prevented by using the new vlan instead of previous index while initializing the auth-ip to zero. | | |
| PR | 108603 | Build: | 5.4.1.359.R01 |
| Summary: | Switch Configuration Status Flag modified when executing the reload the command | | |
| PR | 107600 | Build: | 5.4.1.361.R01 |
| Summary: | On OS8800 GNI-U8 and ENI-C24 created PMD: Need analysis. | | |
| PR | 108934 | Build: | 5.4.1.361.R01 |
| Summary: | Telnet session ending issue | | |
| PR | 116094 | Build: | 5.4.1.361.R01 |
| Summary: | PX: info memPartAlloc: block too big - 2048 in partition 0x3cd99c. -- error on console | | |
| PR | 112742 | Build: | 5.4.1.362.R01 |
| Summary: | Admin down/up on 10G, random Vlan stops learning/forwarding after reconvergence | | |
| PR | 111585 | Build: | 5.4.1.363.R01 |
| Summary: | OmniVista Showing High CPU Traps | | |
| PR | 117677 | Build: | 5.4.1.363.R01 |
| Summary: | ip helper' info does not show in write terminal as configured in the CLI | | |

Problems Fixed Between Builds 364 and 375

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| PR | 110032 | Build: | 5.4.1.364.R01 |
| Summary: | Layer 2 access-list not working as expected in 5.1.6 | | |

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| PR | 113556 | Build: | 5.4.1.364.R01 |
| Summary: | 6600 running 5.1.6.R02 creates extra policy rules while creating a policy using OneTouch voice/data | | |
| PR | 109555 | Build: | 5.4.1.366.R01 |
| Summary: | AOS 6800 24L - Webview displays flash-synchro completed while synchronization is still running | | |
| PR | 113940 | Build: | 5.4.1.366.R01 |
| Summary: | OS7800: PMD file analysis. slo2sli0ver1.pmd formed due to NI monitoring timeout. | | |
| PR | 117587 | Build: | 5.4.1.366.R01 |
| Summary: | "INVALID OUI" error while trying to configure new mac -range on a 7700 running 5.1.5.316.R04. | | |
| PR | 101593 | Build: | 5.4.1.367.R01 |
| Summary: | Mirrored port loses connection to VRRP VIP address, Its DGW. Can't go outside its VLAN. | | |
| PR | 116520 | Build: | 5.4.1.368.R01 |
| Summary: | Explain the details that could be observed and collected on a spy output | | |
| PR | 101672 | Build: | 5.4.1.369.R01 |
| Summary: | No static route added when receiving IP address and gateway from DHCP with IP helper boot-up enabled | | |
| PR | 116748 | Build: | 5.4.1.375.R01 |
| Summary: | Debug memory command crashed the switch | | |

Problems Fixed Between Builds 376 and 385

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| PR | 110380 | Build: | 5.4.1.377.R01 |
| Summary: | Using any third party NMS the Designated Bridge shows wrongly on Non - Designated Bridge | | |
| PR | 118444 | Build: | 5.4.1.378.R01 |
| Summary: | OS7700: ip udp relay NBNSNBDD command wrong parsing | | |

PR **112256** Build: 5.4.1.380.R01
 Summary: NI remained down after CMM takeover

Problems Fixed Between Builds 386 and 401

PR **118750** Build: 5.4.1.387.R01
 Summary: Messages to Syslog server do not use Loopback0 as IP -SRC

PR **117322** Build: 5.4.1.389.R01
 Summary: OS7800 Crash producing Rmon task error

PR **119427** Build: 5.4.1.390.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 **106142** Build: 5.4.1.391.R01
 Summary: The mac group policy doesn't work on a authenticated port

PR **102483** Build: 5.4.1.392.R01
 Summary: VRRP ARP entry not updated after removing one NI from a Link agg

PR **109706** Build: 5.4.1.393.R01
 Summary: Port blocking on a stack of 6602 -48 after the power off of the primary unit.

PR **97958** Build: 5.4.1.395.R01
 Summary: ERROR: esmDrv_findIfIndex<< GlobalPort > when trying to print the port structure of an unknown port
 Explanation: While getting the Ifindex in the ESM driver, there is no check to see whether the module type returned is valid for the slot for which the CLI is executed.
 Added a check for the verification of the module type and returning without further processing if there is no board present.
 Now a proper error message is displayed saying the specific slot does not exist.

PR **115297** Build: 5.4.1.395.R01
 Summary: NETWORK INSTABILITY WHEN CHANGING THE PORT BLOCKING

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| PR | 119761 | Build: | 5.4.1.395.R01 |
| Summary: | Cpu spikes up due to the IPmem process on 8800. | | |
| Explanation: | Changes made to report message should not be transmitted to the neighbor port if the port on which the report has been received and the neighbor connected is same. We dont generate a report message if the client port is same as the querier port. | | |
| PR | 119290 | Build: | 5.4.1.396.R01 |
| Summary: | port does not forward traffic after disabling 802.1x authentication | | |
| PR | 118662 | Build: | 5.4.1.397.R01 |
| Summary: | 6602 Idle Unit Crashed During Flash Synchro | | |
| PR | 118937 | Build: | 5.4.1.397.R01 |
| Summary: | OS-6600: Unexpected reboot of a stack of three 6600 running 5.1.6.370.R02 | | |
| PR | 119860 | Build: | 5.4.1.397.R01 |
| Summary: | ip dvmrp interface will be lost on rebooting the switch, creating a boot.cfg.err file | | |
| PR | 88557 | Build: | 5.4.1.398.R01 |
| Summary: | Need the ability to disable auto-negotiation on GNI U2 and U12 | | |
| PR | 119133 | Build: | 5.4.1.398.R01 |
| Summary: | Stack of 6600 is learning MAC addresses as static instead of dynamic in 5.4.1.234.R01 | | |
| PR | 119893 | Build: | 5.4.1.398.R01 |
| Summary: | If RADIUS server returns bogus value in "Alcatel -Lucent-Asa-Access" flag the CPU is going to 100%. | | |
| PR | 110057 | Build: | 5.4.1.399.R01 |
| Summary: | When the auth-ip is manually assigned, after reboot it shows the default auth-ip even after write memory | | |

PR **119696** Build: 5.4.1.401.R01
 Summary: STR NON FATAL: CMM Power set to default value (50 Watts) on OS7000 - 5.1.6.404R02 seen in every bootup
 Explanation: entPhysicalPower value is properly updated using the value from BBUS Bridge EEPROM

Problems Fixed Between Builds 402 and 416

PR **112381** Build: 5.4.1.405.R01
 Summary: UDP relay does not forward broadcast UDP packets
 Explanation: Supporting subnet broadcast at vlan level.

PR **115340** Build: 5.4.1.408.R01
 Summary: Reboots with unknown cause in 66xx stack.
 Explanation: PMD enhancement to include the NI history buffer information

PR **120614** Build: 5.4.1.410.R01
 Summary: 802.1x "supp-timeout" value changes to 2 after switch reload.
 Explanation: Fix for retaining the supp-timeout value while doing "write memory"

PR **101093** Build: 5.4.1.411.R01
 Summary: Core2 7800: Unsolicited takeover
 Explanation: Hello protocol messages to use URGENT pool buffers. Swlog not to wait - forever on message queue, instead timeout on one second

PR **120335** Build: 5.4.1.414.R01
 Summary: It takes long time for Windows Vista Avlan client to download the java applet after web authentication
 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 **120915** Build: 5.4.1.416.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.

Problems Fixed Between Builds 417 and 424

PR **99735** Build: 5.4.1.418.R01
 Summary: SSH crash when commands with long output run on SSH session with slow link to switch
 Explanation: Under certain conditions when long show commands are issued on a ssh session, ssh task crash is observed and the switch reboots with a pmd. Avoided ssh crash by adding suitable defense checks in ssh software which validate a memory address before accessing it. Under conditions where an illegal pointer is being accessed the ssh session exits with a warning.

PR **120574** Build: 5.4.1.419.R01
 Summary: Network 10 alone not getting redistributed; OS6800

PR **120652** Build: 5.4.1.419.R01
 Summary: Received packet loss on GNI-U12
 Explanation: Fix to display rx lost frms in cli

PR **121290** Build: 5.4.1.421.R01
 Summary: Wake on Lan on 802.1x port does 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 **119726** Build: 5.4.1.422.R01
 Summary: Cannot disable ip multicast proxying
 Explanation: Save multicast no proxying command into boot.cfg

PR **120738** Build: 5.4.1.423.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 **120581** Build: 5.4.1.424.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.

Problems Fixed Between Builds 425 and 435

PR **115052** Build: 5.4.1.426.R01
 Summary: "force" the MAC only authentication without checking for a 802.1x supplicant
 Explanation: Support for classifying the client as non-suppliant immediately when the supp-polling retry value is set to zero.

PR **123131** Build: 5.4.1.431.R01
 Summary: DVMRP packets are replicated
 Explanation: Drop IGMP and DVMRP Control packets through unresolved channel in 6602/6624/6648.

PR **119874** Build: 5.4.1.433.R01
 Summary: 1 hr max CPU value not showing correct value on OS7800
 Explanation: Display 1 hour Maximum Value correctly in "show health"

PR **120109** Build: 5.4.1.433.R01
 Summary: CMM crashed due to exception in STP task
 Explanation: Check added to avoid crash during SNMP walk on STP tables.

Problems Fixed Between Builds 436 and 455

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| PR | 123380 | Build: | 5.4.1.436.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 | 123159 | Build: | 5.4.1.437.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. | | |
| PR | 122781 | Build: | 5.4.1.438.R01 |
| Summary: | OS8800 - Switch Crash. PMD file analysis required. | | |
| Explanation: | UDP packets in NI are rate limited to 256 pkts/ sec and 1024 pkts/ sec on the CMM. This is to ensure a storm of UDP broadcast traffic does not chew up all the system buffers. | | |
| PR | 121836 | Build: | 5.4.1.439.R01 |
| Summary: | OS7800 crashed with Hardware Failure type 4 and memory buffer depletion exception | | |
| PR | 110134 | Build: | 5.4.1.440.R01 |
| Summary: | PC treated as non-suppllicant cannot move back to 802.1x unless down/up switch port | | |
| Explanation: | Issue of non-suppllicant entries not getting deleted while it is getting deleted in the mac-address table is fixed. | | |
| PR | 124178 | Build: | 5.4.1.441.R01 |
| Summary: | Need to disable sending out BPDU's from the Mobile port while STP is disabled | | |
| Explanation: | Global variable control in the CMM to block/allow sending out BPDU's from the Mobile port. This would be effective only from AlcatelDebug.cfg during bootup. | | |

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| PR | 123052 | Build: | 5.4.1.442.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 | 124550 | Build: | 5.4.1.445.R01 |
| Summary: | INTIP card not able to download image from TFTP server when 6602 is VRRP Primary | | |
| Explanation: | Dropping packet from unresolved channel to CPU to avoid duplicate ICMP reply in case of VRRP VIP and VLAN interface IP are different. | | |
| PR | 93822 | Build: | 5.4.1.448.R01 |
| Summary: | Connectivity Issue in 10G Links between OS8800s | | |
| Explanation: | Problem was discovered to be pre-production release hardware, either the XFP or the 10G NI. Once all hardware that was below proper rev was replaced issues were resolved | | |
| PR | 99886 | Build: | 5.4.1.448.R01 |
| Summary: | NI Task suspended TaskName: talpni followed by NI reboot | | |
| Explanation: | Added invalid memory check at lower boundary of memPools | | |
| PR | 123413 | Build: | 5.4.1.448.R01 |
| Summary: | BBUS resets during the takeover affecting the communication of the Primary and Secondary CMM. | | |
| Explanation: | Enabled auto hello answer and BBUS reset on Primary during secondary hello inactivity, to stabilize the BBUS and avoid takeover. | | |
| PR | 124132 | Build: | 5.4.1.448.R01 |
| Summary: | Prepend values are not displayed for the Secondary IP of the vlan | | |
| Explanation: | Check for Number of AS Prepended when Queued attribute found for route | | |
| PR | 124343 | Build: | 5.4.1.448.R01 |
| Summary: | 6648 .PMD DUMP Analysis | | |
| Explanation: | Validity check introduced for URL lookup in file system | | |

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| PR | 96520 | Build: | 5.4.1.449.R01 |
| Summary: | OS6600 "show qos queue" should be removed as it does not return expected information | | |
| Explanation: | show qos queue command removed for OS66xx cli | | |

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| PR | 94213 | Build: | 5.4.1.450.R01 |
| Summary: | Remove "ip multicast max-ingress-bandwidth" command from CLI and user guide | | |
| Explanation: | Removed the command "ip multicast max-ingress-bandwidth" as the Omni Switch 6600 does not support it. | | |

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| PR | 100272 | Build: | 5.4.1.451.R01 |
| Summary: | Impossible to modify NTP configuration - Internal Error returned by CLI | | |
| Explanation: | In some cases Address Family in received NTP packet was modified to AF_UNSPEC because of which sendto failures were encountered and NTP configuration was failing. Resolved sendto failures by avoiding change of address family for udp packets sent through the loopback interface. | | |

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| PR | 120398 | Build: | 5.4.1.451.R01 |
| Summary: | MemDump:Invalid Address used during a memory free (0x312ac) on OS6602 stack-5.1.6.315R02 | | |
| Explanation: | Dump the task Name & task ID (in swlog) of the task which did a invalid free and dump its tt in the memmon dmp file. | | |

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| PR | 101676 | Build: | 5.4.1.452.R01 |
| Summary: | OS6 QoS depleting the IPC Pools | | |
| Explanation: | IPC pool depletion issue in QoS Sol ved. | | |

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| PR | 124749 | Build: | 5.4.1.452.R01 |
| Summary: | Traffic not destined for the switch causes ping drop | | |
| Explanation: | Restoring number of packet handled in software. | | |

Problems Fixed Between Builds 456 and 464

PR **126097** Build: 5.4.1.456.R01
 Summary: NI HW problem. HW fail type: 4
 Explanation: Avoid learning 224.0.0.x control multicast range as group updates in the switch.

PR **125939** Build: 5.4.1.457.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 **126802** Build: 5.4.1.459.R01
 Summary: Ingress CRC error frames on mobile ports trigger MAC authentication with radius server
 Explanation: Discard the packets with CRC errors coming to CPU on mobile ports.

PR **127107** Build: 5.4.1.460.R01
 Summary: arp name incorrectly displayed
 Explanation: arp name display corrected

PR **126095** Build: 5.4.1.461.R01
 Summary: OS 6602-48 crashed with csHsmNsmT2EndAppliStart() receive EOAS and dump generated
 Explanation: Validity Check made to avoid Exception in SSH task

Problems Fixed Between Builds 465 and 471

PR **127546** Build: 5.4.1.467.R01
 Summary: Removing mobility rule for a vlan blocks all ports for that vlan
 Explanation: Default vlan association wont be deleted upon deleting a GM rule.

PR **127658** Build: 5.4.1.468.R01
 Summary: Stack OS6600: Disabling Port Flapping feature is taken into account by only PRIMARY unit
 Explanation: Send PortFlap Config to the NIs after they are up

PR **127622** Build: 5.4.1.470.R01
 Summary: "show amap" returns unknown when remote switch is a 6400
 Explanation: Included OS6400 and OS6855 Devices in AMAP

PR **127455** Build: 5.4.1.471.R01
 Summary: OS6600 stack crashed with dump: err or "Data storage interrupt Register: 0x0000b032"
 Explanation: The routing,arp and interface informations are added into the PMD.

Problems Fixed Between Builds 472 and 477

PR **120132** Build: 5.4.1.472.R01
 Summary: OS7 need not to route packets arriving with destination mac address = router mac of another vlan
 Explanation: Allow to add router mac in the L2DA Table using a command executed only during bootup

PR **128187** Build: 5.4.1.473.R01
 Summary: OS7800 - error Exception: Mem Address Not Aligned for task VlanMgr
 Explanation: Handled "Mem Address Not Aligned" exception in task 'VlanMgr'.

PR **128686** Build: 5.4.1.475.R01
 Summary: Boot.cfg.1.err is created on secondary CMM for correct configuration of 802.1x
 Explanation: Fix done to stop creating boot.cfg.err for proper 802.1x configuration.

Problems Fixed Between Builds 478 and 488

PR **128104** Build: 5.4.1.480.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 **119386** Build: 5.4.1.481.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.

Problems Fixed Between Builds 489 and 495

PR **129515** Build: 5.4.1.489.R01
Summary: On 6602-48 stack , ports 1-18 or 33-50 missing when we poll the OID 1.3.6.1.2.1.17.1.4 through mib b
Explanation: Code changes to prevent same bridgePort numbers created for ports in OS6648 (48 port) stack of switches.

PR **130718** Build: 5.4.1.494.R01
Summary: vlan manager - correct the retries so that ipc buffers are not locked up in socket queues
Explanation: Corrected the retry & delay values to avoid buffers getting stuck in socket queue of vlan msg task

PR **128872** Build: 5.4.1.495.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.

Problems Fixed Between Builds 496 and 500

PR **130155** Build: 5.4.1.498.R01
Summary: comments shown as leak in "debug memory monitor show log" on 7700 in default config
Explanation: Fixed the memory leak in dshell

Problems Fixed Between Builds 501 and 510

PR **125881** Build: 5.4.1.502.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. T

PR **130671** Build: 5.4.1.503.R01
 Summary: MDNS is replicated by 6600 stacks when source mac is not yet learned on the NIs

PR **131814** Build: 5.4.1.506.R01
 Summary: Mobile ports shows blocking even though STP is disabled and bpdu ignore is enabled on the mobile port
 Explanation: Fix timing issue on mobile VPAs during takeover

PR **132369** Build: 5.4.1.506.R01
 Summary: OS7800 NIs crashed: - Urgent pools depletion. "+++ Buffer : Urgent Perc used : 99 Perc allowed: 75"
 Explanation: Added swlog message to indicate freeing of DMA buffers when NI goes down

PR **132573** Build: 5.4.1.506.R01
 Summary: sub-second OSPF route convergence dshell command line needed for OS 7700 as gospfSubSecond = 1 in
 Explanation: Using debug flag achieve sub second OSPF convergence.

PR **132027** Build: 5.4.1.507.R01
 Summary: 7000-516-485-R01 only supports 64 nbrs per Router,
 Explanation: Support larger number of ospf nbrs per area (>= 128) upto max of 255 nbrs per system

PR **132839** Build: 5.4.1.507.R01
 Summary: In enqueue_to_ip_using_ipc, DHCP Snooping vlan-level dropping DHCP packet

Problems Fixed Between Builds 511 and 516

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| PR | 130571 | Build: | 5.4.1.511.R01 |
| Summary: | High OPSF task tospf due to an unnormal high OSPF LSA acti vity | | |
| Explanation: | Flush the invalid LSA. | | |
| PR | 132122 | Build: | 5.4.1.512.R01 |
| Summary: | Topology changes message needs to be logged in swlog with timestamp. | | |
| Explanation: | Topology Change Logged Into Swlog for easy reference. | | |
| PR | 131482 | Build: | 5.4.1.513.R01 |
| Summary: | 6600: if we apply a deny rule with a destination ip "any" no traffic passes through. | | |
| Explanation: | Destination ip any rules are programmed correctly in the Hardware. | | |
| PR | 133235 | Build: | 5.4.1.513.R01 |
| Summary: | CMM take over after giving copy flash-synchro | | |
| Explanation: | Defence fix added to avoid crash during copy flash synchro. | | |
| PR | 131336 | Build: | 5.4.1.514.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 | | |
| | user read-only-group allow ping-traceroute | | |
| | user read-only-group deny ping-traceroute | | |
| | show user read-only-group ping-traceroute | | |
| PR | 133643 | Build: | 5.4.1.515.R01 |
| Summary: | Enhance the swlog message when port shutdown due to receive BPDU | | |
| Explanation: | Enhanced swlog message during port shutdown due to receive bpdu | | |

Problems Fixed Between Builds 517 and 522

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| PR | 133937 | Build: | 5.4.1.517.R01 |
| Summary: | SSH Authentication with DSA public keys did not work on OS -6600. | | |
| Explanation: | Added public key authentication to ssh session | | |
| PR | 134338 | Build: | 5.4.1.517.R01 |
| Summary: | OS 7700 Dhcp-snooping database not updated after the DHCP ip renew | | |
| Explanation: | Populate DHCP binding enable if dhcp binding is enabled. | | |
| PR | 127798 | Build: | 5.4.1.519.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 | 134184 | Build: | 5.4.1.519.R01 |
| Summary: | OS7800 crashed with slot .pmds: "alarm sendPmMsg: sendTo 42 : 0: d: 2 failed!!" | | |
| Explanation: | Decrease retries and increase delay while sending messages in VLAN Mgr and HSM | | |
| PR | 124760 | Build: | 5.4.1.522.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 523 and 525

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| PR | 134406 | Build: | 5.4.1.523.R01 |
| Summary: | System reboot with FATAL error when copy flash -synchro | | |
| Explanation: | Check for available flash space of the CMM before starting flash synchro. | | |
| | Note that the new code with the fix has to present in both the CMMs for the fix to work. | | |

PR **134897** Build: 5.4.1.523.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 **136393** Build: 5.4.1.524.R01
 Summary: mac address is not getting aged out if ip relay not able to receive an DHCP address

Problems Fixed Between Builds 526 and 540

PR **134364** Build: 5.4.1.526.R01
 Summary: 6600 and 7700 not sending genral query report when a topology change is detected.
 Explanation: Learn the same client on different ports.

PR **131697** Build: 5.4.1.527.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 **137577** Build: 5.4.1.530.R01
 Summary: BBus Debug Improvement
 Explanation: IPC BBUS Debug Counters addition

PR **137884** Build: 5.4.1.531.R01
 Summary: "ip multicast static-neighbor" entry disappears while upgrading 7700 to 541 - 525-R01 code.
 Explanation: Handle ip multicast static-neighbor configuration properly during bootup

PR **122824** Build: 5.4.1.533.R01
 Summary: Web Authentication failed
 Explanation: Workaround and debug improvement for the Emweb Buffer issue

PR **138175** Build: 5.4.1.534.R01
 Summary: Redundant Multicast group entry when the same client is learnt on other ports: Follow-up PR#134364
 Explanation: Timing out the redundant multicast client entry

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| PR | 127484 | Build: | 5.4.1.536.R01 |
| Summary: | To merge restricted TCN feature from 6.3.1 to 5.1.6 | | |
| Explanation: | Feature for restricting the TCN in 5x. | | |
| PR | 137445 | Build: | 5.4.1.536.R01 |
| Summary: | spantree ports in forwarding state with DESG role for disabled spanning tree | | |
| Explanation: | Operational Status of STP Disabled ports is changed to Disable from Forwarding | | |
| PR | 138369 | Build: | 5.4.1.536.R01 |
| Summary: | CPU spike on 6602 when the tcp traffic sent with port number zero. | | |
| Explanation: | Handle tcp packets properly with port number zero. | | |
| PR | 138932 | Build: | 5.4.1.539.R01 |
| Summary: | static querier configuration disappeared from a running configuration | | |
| Explanation: | Avoid timeout of static multicast queriers | | |

Problems Fixed Between Builds 541 and 553

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| PR | 128328 | Build: | 5.4.1.543.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 | | |
| PR | 139534 | Build: | 5.4.1.544.R01 |
| Summary: | OIDs - dot1dTpFdbPort & dot1qTpFdbPort shows index number instead of port number for OS6602 | | |
| Explanation: | Display port number instead of index value for Port Mib objects | | |
| PR | 137663 | Build: | 5.4.1.545.R01 |
| Summary: | OS7 Dump generation with SNMPagt task suspension (taskId : 0X059CB1B0). | | |
| Explanation: | Validation of invalid buffers to IPC call | | |
| PR | 131334 | Build: | 5.4.1.547.R01 |
| Summary: | Check-in code changes for PR 130961 | | |
| Explanation: | SSH is processed only in valid connections. | | |

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| PR | 131963 | Build: | 5.4.1.548.R01 |
| Summary: | OS6600 stack split with duplicate slot condition/ No PMD files generated | | |
| Explanation: | Generate the stackDebug.log file during supervisory msg loss scenarios | | |
| PR | 140231 | Build: | 5.4.1.550.R01 |
| Summary: | BBUS resets during the takeover and it is affecting the comm between the CMMs | | |
| Explanation: | False suspension alarm for tasks handled, preventing switch crash | | |
| PR | 141232 | Build: | 5.4.1.552.R01 |
| Summary: | Change in Default Flood Rate Value | | |
| Explanation: | Default flood rate setting for 7700, 7800, 8800 is 47M for 100M and 497M for 1G and in 66xx it is 49M and 496M for 100M and 1G respectively | | |
| PR | 141345 | Build: | 5.4.1.553.R01 |
| Summary: | Issue with non-suppllicant authentication on os600 with a silent devices like a printer | | |
| Explanation: | clearing garbage value, before filling the message to be sent to aaa from onex task. | | |

Problems Fixed Between Builds 554 and 557

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| PR | 141439 | Build: | 5.4.1.554.R01 |
| Summary: | Client gets diconnected on 802.1x port due to DHCP INFORM packet on 7700 | | |
| PR | 141539 | Build: | 5.4.1.557.R01 |
| Summary: | pmd analysis needed | | |
| Explanation: | Prevent crash when radius shared secret key is greater than 32 | | |

Under Verification

PR **121547** Build: 5.4.1.442.R01
 Summary: Port Shutdown feature CPU Timeout -Seconds does not work properly OS 6600 AOS release 5.1.6.R02.435
 Explanation: Fix to shut the port based on the configured timeout

PR **97572** Build: 5.4.1.448.R01
 Summary: Error Message# Socket failed wdbConfig: error configuring WDB communication interface
 Explanation: The error message "Socket failed wdbConfig: error configuring WDB communication" was displayed during the boot up of the switch. While looking at the code, we understood that the switch is trying to enable WDB during the bootup, which is not possible & unnecessary because the system resources will not be available at that time. So we stopped the system from trying to configure the WDB during bootup.

PR **97572** Build: 5.4.1.448.R01
 Summary: Error Message# Socket failed wdbConfig: error configuring WDB communication interface
 Explanation: The error message "Socket failed wdbConfig: error configuring WDB communication" was displayed during the boot up of the switch. While looking at the code, we understood that the switch is trying to enable WDB during the bootup, which is not possible & unnecessary because the system resources will not be available at that time. So we stopped the system from trying to configure the WDB during bootup.

PR **119895** Build: 5.4.1.455.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 **111559** Build: 5.4.1.458.R01
 Summary: 6600 port remains in blocking state after modification of the 802.1Q vlan port description
 Explanation: Changing the 802.1q description of a vlan port/linkagg have been handled.

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| PR | 121054 | Build: | 5.4.1.466.R01 |
| Summary: | After STP changes, Multicast devices do not respond to Multicast query , and hence query timeout | | |
| Explanation: | Avoid flooding of Multicast Packets after IP -PORT Movement. Handle packets coming through unresolved channel in IPMS after IP -PORT Movement. | | |
| PR | 99718 | Build: | 5.4.1.467.R01 |
| Summary: | rls command fails with 'Attempt to lock LS table failed' after an rls timeout | | |
| Explanation: | When the command "rls" is executed from the primary CMM while the secondary CMM is rebooting, the command fails with a timeout. After this the "rls" cmd never gives the o/p (just throws an error), even after the secondary CMM comes up. Code change done to display the "rls" o/p properly, when this cmd is executed after the secondary unit is up. | | |
| PR | 128001 | Build: | 5.4.1.472.R01 |
| Summary: | BBUS Hardware timeout error on the swlog Ni one reset causes all other NIs router MAC flush | | |
| Explanation: | Prevention of special DA Mac deletion after NI 1 reset. | | |
| PR | 99205 | Build: | 5.4.1.476.R01 |
| Summary: | Unexpected takeover on 8800 with "Bbus buffer descriptor pool empty" message in the switch logs. | | |
| Explanation: | Debugs added to get more information for this PR. This will generate pmd file and additional debug information whenever this problem occurs again. | | |
| PR | 99205 | Build: | 5.4.1.476.R01 |
| Summary: | Unexpected takeover on 8800 with "Bbus buffer descriptor pool empty" message in the switch logs. | | |
| Explanation: | Debugs added to get more information for this PR. This will generate pmd file and additional debug information whenever this problem occurs again. | | |
| PR | 99205 | Build: | 5.4.1.476.R01 |
| Summary: | Unexpected takeover on 8800 with "Bbus buffer descriptor pool empty" message in the switch logs. | | |
| Explanation: | Debugs added to get more information for this PR. This will generate pmd file and additional debug information whenever this problem occurs again. | | |

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| PR | 129719 | Build: | 5.4.1.485.R01 |
| Summary: | 6600 - group member deleted when receiving a group specific member query | | |
| PR | 121438 | Build: | 5.4.1.486.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 | 109357 | Build: | 5.4.1.490.R01 |
| Summary: | "prompt date time" is not saved in the user profile from an ssh session | | |
| Explanation: | Included user in CLI prompt for SSH sessions. | | |
| PR | 130160 | Build: | 5.4.1.492.R01 |
| Summary: | IGMP leave message have no effect with proxying disable | | |
| PR | 130720 | Build: | 5.4.1.494.R01 |
| Summary: | ipedr - correct the retries so that ipc buffers are not locked up in socket queues | | |
| Explanation: | Added retry counters to return back when buf create fails for more that 10 retries, so that ipedr atleast processes the incoming packets. | | |
| PR | 130719 | Build: | 5.4.1.500.R01 |
| Summary: | ipms - correct the retries so that ipc buffers are not locked up in socket queue | | |
| Explanation: | corrected the retry counters to avoid buffers getting stuck in socket queue of ipms task | | |
| PR | 122693 | Build: | 5.4.1.504.R01 |
| Summary: | Functionality issue with "ip ospf redistrib-filter RIP 0.0.0.0 0.0.0.0 redistrib-control aggregate" cmd | | |
| Explanation: | Update the external link state database on route changes, when different routes are present for the same network | | |
| PR | 125229 | Build: | 5.4.1.504.R01 |
| Summary: | OSPF Entry not flushed | | |
| Explanation: | Message to Registered Modules is triggered when a Route Del Event happens during Redistribution | | |

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| PR | 131461 | Build: | 5.4.1.521.R01 |
| Summary: | analysis of dump file on a 6602 -48. Equipment generated pmd files | | |
| Explanation: | Retrieve miniboot version from cached values on OS6 | | |
| PR | 110473 | Build: | 5.4.1.523.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 | 110473 | Build: | 5.4.1.523.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 | 110473 | Build: | 5.4.1.523.R01 |
| Summary: | Many "LANPOWER error IpSocketSend: zcBuf Create Failed!" followed by a crash with dumps | | |
| Explanation: | Found 256 byte memory leak in health monitor task | | |
| PR | 116738 | Build: | 5.4.1.523.R01 |
| Summary: | A stack of 4* OS 6850 crashed running code 6.1.3.805.R01 | | |
| Explanation: | Validity check made | | |
| PR | 131245 | Build: | 5.4.1.523.R01 |
| Summary: | OS 6850 stack has not rebooted once the queue as maxed out in CSM_REQ state. | | |
| Explanation: | Fix the ipc buffer leak scenario during bootup | | |
| PR | 130168 | Build: | 5.4.1.525.R01 |
| Summary: | 8800 Switch crashed took over occur | | |
| PR | 129491 | Build: | 5.4.1.529.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 | 138003 | Build: | 5.4.1.542.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 | | |

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| PR | 129591 | Build: | 5.4.1.546.R01 |
| Summary: | FPGA upgrade fails often with latest 5.1.6.498.R02 AOS | | |
| Explanation: | Additional logs to the console after FPGA upgrade completed successfully | | |
| PR | 129591 | Build: | 5.4.1.546.R01 |
| Summary: | FPGA upgrade fails often with latest 5.1.6.498.R02 AOS | | |
| Explanation: | Additional logs to the console after FPGA upgrade completed successfully | | |
| PR | 131813 | Build: | 5.4.1.548.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 | 132514 | Build: | 5.4.1.549.R01 |
| Summary: | IPC Debug and Logging Improvements | | |
| Explanation: | IPC debug enhancements | | |
| PR | 132514 | Build: | 5.4.1.549.R01 |
| Summary: | IPC Debug and Logging Improvements | | |
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| PR | 132514 | Build: | 5.4.1.549.R01 |
| Summary: | IPC Debug and Logging Improvements | | |
| Explanation: | IPC debug enhancements | | |
| PR | 132514 | Build: | 5.4.1.549.R01 |
| Summary: | IPC Debug and Logging Improvements | | |
| Explanation: | IPC debug enhancements | | |
| PR | 140717 | Build: | 5.4.1.555.R01 |
| Summary: | Emweb buffer leakage | | |
| Explanation: | Fix the Buffer leakage issue and introduce additional dshell commands | | |
| PR | 140717 | Build: | 5.4.1.555.R01 |
| Summary: | Emweb buffer leakage | | |
| Explanation: | Fix the Buffer leakage issue and introduce additional dshell commands | | |

PR **94907** Build: 5.4.1.556.R01
 Summary: "Show 802.1x 1/1" command doesn't display anything. Other ports are OK.
 Explanation: Fixed Display Issue with showing 802.1x information on the first port (1/1) using command "show 802.1x 1/1" caused due to a wrong interpretation of index for the port number 1/1.

Known Issues

PR **106871**
 Summary: Switch is not reading owner-attributes from LDAP : so ov3.3 Global QoS does not work

PR **83127**
 Summary: +++ [CLISHELL 46] Error on setting tty options at login(851971) DoS attack: bncex on port 23
 Explanation: A DoS attack on port 23(Telnet) results in "[CLISHELL 32] Error on setting tty options at password(851971)"
 Workaround: The issue is cosmetic and does not affect performance of the switch.

PR **84009**
 Summary: igmpInterfaceVersion can set igmp V1 on the interface but CLI and WebView won't
 Explanation: It is not possible to configure an interface as IGMPv1 through the cli or WebView.
 Workaround: Configure an interface as IGMPv1 through SNMP.

PR **84630**
 Summary: Show ip udp relay statistics [service] only shows info if there is a vlan assigned to that service
 Explanation: Even webview does not display the entry if there is no vlan associated with the service.
 Workaround: There is no known workaround at this time.

PR **87960**
 Summary: Webview doesn't refresh Source Learning table properly causing submission failed by MAC deletion
 Explanation: Sometimes Webview doesn't refresh Source learning table properly causing submission failed when trying to delete a MAC
 Workaround: Press refresh button before performing mac address deletion.

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| PR | 89316 |
| Summary: | MSTP Edge Port Implementation - We send out rootBridgeID (ffffff f) - Anvl Expect valid Mac Add |
| Explanation: | Every link-up, we send out a BPDU packet with the Root BridgeID of 0xffff... to elicit a BPDU reply from the adjacent switch in the current Auto -Edge Detection mechanism. |
| Workaround: | Setting the stpni_useWorstRootBridgeID=0 in NiDbg, then disable/re-enable the STP instance. (These steps are not expected to be performed by the customers, but by our Automation testers who need to setup ANVL test cases.) |

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| PR | 90297 |
| Summary: | CST Root convergence in 802.1S takes long or never converges |
| Explanation: | CST Root convergence in 802.1s may be slow due to the circulation of old 'good' spanning tree vectors in the network when a root switch is powered off |
| Workaround: | 1. Use single MSTP region as much as possible 2. Tune the performance parameters maxAge and hop count to optimal values for the network. |

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| PR | 91729 |
| Summary: | Remove unsupported ToS and DSCP from Conditions > Layer 3 pages |
| Explanation: | ToS and DSCP options are not removed from Conditions > Layer 3 pages as they are also available through cli. |
| Workaround: | There is no known workaround at this time. |

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| PR | 91850 |
| Summary: | WV IPX statistics do not display until CLI cmd 'show ipx traffic' is keyed |
| Explanation: | IPX statistics are not correct with Webview or SNMP. |
| Workaround: | A "show ipx traffic" needs to be done on the CLI so that the statistics can be retrieved from the NIs. |

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| PR | 98511 |
| Summary: | Switch hangs while trying to learn 250 neighbor mac addresses using NDP in IPv6 |
| Explanation: | When switch learns any ipv6 neighbor mac address, the entry remains in cache forever with state "Stale", it should get deleted after sometime if no communication between switch and its neighbor is taking place. |
| Workaround: | There is no known workaround at this time. |

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| PR | 98522 |
| Summary: | igmp proxy version v3 is not functioning on 8800, 78/7700, 6600 |
| Explanation: | Received IGMP reports are not proxied as V3 reports when IGMP proxy version is configured as V3 on an OS7000 series switch. |
| Workaround: | There is no known workaround at this time |

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| PR | 98526 |
| Summary: | WebView Remote System File Mgmt: Delete File, Copy File, and List Files don't work at the bottom pge |
| Explanation: | In WebView Remote System File Management; By deleting the file won' t automatically refresh the directory with the current content, it requires clicking the list button in order to see the updated directory contents. Also, there is a timing issue for "List File" which requires clicking the "Refresh" button more than once. |
| Workaround: | There is no known workaround at this time |

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| PR | 98529 |
| Summary: | +++ [CLISHELL 46] Error on setting tty options at login(851971) DoS attack: bncex on port 23 |
| Explanation: | A DoS attack on port 23(Telnet) results in "[CLISHELL 32] Error o n setting tty options at password(851971)" |
| Workaround: | The issue is cosmetic and does not affect performance of the switch. |

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| PR | 98534 |
| Summary: | (FFS corruption tracking PR) 'csCvmUtilRecursiveCopyDir: copy error" when certified and flash-synch |
| Explanation: | Flash File System May become corrupt after Certify, Restore or Flash Synchro process |
| Workaround: | There is no known workaround at this time |

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| PR | 98542 |
| Summary: | Problem in sending tagged traffic over mobile ports |
| Explanation: | Currently tagged frames on a mobile port with mobile tag disable will get classified into a vlan if protocol or ip net rules are configured for that vlan on the port. |
| Workaround: | There is no known workaround at this time |

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| PR | 98551 |
| Summary: | Webview Ethernet General Modify Does Not Work on OS8800 |
| Explanation: | In WebView, Physical > Ethernet > Interface Configuration > General "Modify" window might display a "Set operation finished successfully!" message. However, the changes are not made to the table. |
| Workaround: | Use the "Multiple Modify" window and select the desired slot/port to perform the changes. |

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| PR | 98559 |
| Summary: | 9700 WebView Remote System File Management: Copy from/to Primary doesn't work. |
| Explanation: | WebView Remote System File Management: Though the file list is displayed, an error is logged for the primary cmm. |
| Workaround: | There is no known workaround at this time. |

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| PR | 98562 |
| Summary: | Cannot add IPv6 default route using WebView |
| Explanation: | On an OS8800 switch, an IPv6 default route to the configuration cannot be added using WebView. |
| Workaround: | Add the IPv6 default route to the configuration using CLI. |

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| PR | 98567 |
| Summary: | 10G: "Adding DA entry failed entry = 0x10020,..." msg displayed on some slices upon loading debug |
| Explanation: | After loading debugger on 10G NI, some slice showed "adding DA entry failed entry..." message |
| Workaround: | There is no known workaround at this time. |

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| PR | 98580 |
| Summary: | Pmon is not able to capture IPMS flows when the client is sitting on the monitored port. |
| Explanation: | This is a hardware limitation on 66xx |
| Workaround: | None |

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| PR | 98593 |
| Summary: | WebView Vlan 802.1Q modify and apply a already setup tag on a 10 gig port fails. |
| Explanation: | Webview allows modification on certain 10 gig ports for 802.1q that it shouldn't cause the modification submission to fail. |
| Workaround: | There is no known workaround at this time. |

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| PR | 98594 |
| Summary: | WebView ethernet general modify: after click apply, set successful message not visible in NS 7.0. |
| Explanation: | WebView > Physical > Ethernet > Interface Configuration > General modify page might not show the "Set Successful" message in Netscape 7.1. |
| Workaround: | Ignore; whenever there is an error message, the modify page stays open automatically. |

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| PR | 98623 |
| Summary: | 802.1X GM STP BPDUs are received while port is not authenticated and direction is both. |
| Explanation: | 802.1X GM STP BPDUs will be received while port is not authenticated and direction is both.STP BPDUs are sent to ensure that no loops are formed on the mobile ports. |
| Workaround: | There is no known workaround at this time. |

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| PR | 98626 |
| Summary: | Duplicate mac add's w/ reset/timeout static and dynamic in same vlan after resetting GNI_U12_C2 board |
| Explanation: | Duplicate mac addresses in the same vlan with reset static and dynamic mac addresses after resetting GNI_U12_C2.This behavior was happening for specific conditions and it doesn't affect the functionality. |
| Workaround: | There is no known workarou nd at this time. |

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| PR | 98631 |
| Summary: | No trap is sent out by chassis supervision when sfp module is removed from fiber 6600 |
| Explanation: | Logs are available to notify when an sfp is removed or inserted. Currently no traps for this event are defined. |
| Workaround: | There is no known workaround at this time. |

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| PR | 98632 |
| Summary: | Generic udp relay for NTP (123) is not working |
| Explanation: | According to UDP relay SFS document (section 2.6) , For NTP, the UDP relay will not be able to forward NTP packets, whose destination address is the AOS router port IP address to the NTP server. |
| Workaround: | There is no known workaround at this time |

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| PR | 98644 |
| Summary: | Get too many warnings when only info set "v6if -6to4-137 (6To4 tunnel) reachability may be affected" |
| Explanation: | Occasionally many warning messages are logged to console when only info set "v6if-6to4-137 (6To4 tunnel) reachability may be affected" |
| Workaround: | There is no known workaround at this time. |

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| PR | 98655 |
| Summary: | No traps are being generated when an 802.1X feature is being disabled on a port |
| Explanation: | Mib change will be required to define traps when an 802.1X feature is being disabled on a port. Currently no traps are defined. |
| Workaround: | There is no known workaround at this time. |

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| PR | 82864 |
| Summary: | WebView ethernet general modify: after click apply, set successful message not visible in NS 7.0. |
| Explanation: | WebView > Physical > Ethernet > Interface Configuration > General modify page might not show the "Set Successful" message in Netscape 7.1. |
| Workaround: | Ignore; whenever there is an error message, the modify page stays open automatically. |

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| PR | 84270 |
| Summary: | WebView's UDP relay association page only allows a maximum of three entries |
| Explanation: | If more than 3 services are configured via WebView, only 3 are displayed. |
| Workaround: | All services are displayed via CLI |

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| PR | 84856 |
| Summary: | IP cam space full, count 16374, slot 1 alert message after stream DoS attack |
| Explanation: | The 6600 learns the source and destination IP address of every forwarded flow, and has a finite space (16K addresses) to store these. These have an aging time of 5 minutes. In certain kind of DoS attacks, the Switch can run out of space to store these add |
| Workaround: | CLI command "clear arp-cache". This will cause the Switch to delete most, if not all the L3 addresses in hardware. All forwarded traffic will have to be re-learnt. |

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

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| PR | 88942 |
| Summary: | Cannot add IPv6 default route using WebView |
| Explanation: | Cannot add an IPv6 default route to the configuration using Webview. |
| Workaround: | Add the IPv6 default route to the configuration using the CLI. |

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| PR | 90044 |
| Summary: | SL entries get flushed by creating GM rule |
| Explanation: | It is possible to see brief interruption in traffic flows once you add rules. This is because all MACs are flushed in the anticipation that rule precedence |
| Workaround: | change may potentially affect the classification status of the learned MACs. There is no known workaround at this time. |

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| PR | 92933 |
| Summary: | Broadcast-Unicast Traffic forwarded when changing 802.1x parameter to force-authorized |
| Explanation: | When port is changed from forced-authorized to forced-authorized, MAC address that are learned when the port was force-authorized are not flush and thus traffic can still go through as usual. Please note when switching from auto to forced-authorized, the client MAC addresses are properly cleaned up. This problem is only when switching from forced-authorized to forced-authorized. |
| Workaround: | Make sure to do a no mac learn to clean the MAC on that port before switching from forced-authorized to forced-authorized. |

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| PR | 95308 |
| 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: <ol style="list-style-type: none"> 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 |
| Workaround: | For items 1 and 2 above there is no work around presently. For item 3 the following work around could be applied: <ol style="list-style-type: none"> 1. Tune the max age (and or max hops in the case of MSTP) parameter to a lower value that is optimal for the network. This will reduce t |

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| PR | 98550 |
| Summary: | [6600] Oversize pkts transmitted by Mirrored port is being received by Mirroring port (in/out/bi) |
| Explanation: | This is expected behavior as per the mirroring implementation in hardware. All packets will be mirrored (tx or rx) regardless of the specifics of the packet. |
| Workaround: | There is no known workaround at this time. |

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| PR | 98596 |
| Summary: | After CMM takeover, "show qos port" does not display tagged or trusted 10 Gig ports |
| Workaround: | Traffic flow on the port is fine and qos rules are also applied. To view the 10gig port in the show qos port command, the port can be administratively disabled and enabled. |

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| PR | 100389 |
| Summary: | Takeover on OS8800 with fully loaded Nis did not come up properly |
| Explanation: | Takeover on OS8800 with fully loaded Nis did not come up properly. This is a hardware issue. |
| Workaround: | Use different chassis and NIs. |

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| PR | 110134 |
| Summary: | PC treated as non-supplciant cannot move back to 802.1x unless down/up switch port |
| Explanation: | Issue of non-supplciant entries not getting deleted while it is getting deleted in the mac-address table is fixed. |

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| PR | 130665 |
| Summary: | OS7 - 5.1.6.498.R02 - "Admin down" is not completely shutting down the port on OS7-ENI-FM12 |
| Explanation: | Admin down on OS7-ENI-FM12 port will not bring the remote end link down. |
| Workaround: | There is no known workaround. |

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| PR | 139633 |
| Summary: | OS6850 crashed when command "copy working certified " with "error reading /flash/working/ entr |
| Explanation: | Retry mechanism introduced which calculating the checksum of image files |
