

Ethernet Routing Switch 4500 Series

Software Release 5.5.2

1. Release Summary

Release Date: 31-October-2012

Purpose: Software patch release to address customer and internally found software issues.

2. Important Notes Before Upgrading to This Release

None.

3. Platforms Supported

Ethernet Routing Switch 4500 (all models except 4500-PWR+ and 4800s).

4. Notes for Upgrade

Please see "Ethernet Routing Switch 4500 Series, Configuration – System, Software Release 5.5" (available at <http://www.avaya.com/support> . Click Products, select Ethernet Routing Switch 4500 Series from the A-Z list, then select Documentation > View All Documents) for details on how to upgrade your Switch.

File Names for This Release

File Name	Module or File Type	File Size (bytes)
4500_5303_diag.bin	Diagnostic image	1,589,514
4500_552008.img	Agent code image	7,530,420
4500_552009s.img	Agent code image (SSH)	7,798,052

5. Version of Previous Release

Software Version 5.5.0 & 5.5.1.

6. Compatibility

This software release is managed with Enterprise Device Manager (EDM).

7. Changes in This Release

7.1. New Features in This Release

None.

7.2 Old Features Removed From This Release

None.

7.3 Problems Resolved in This Release

Reference Number	Description
Issues Resolved in 5.5.2	
wi01054301	801.2X, RADIUS Health Check: The RADIUS health check password is now correctly encrypted with the server key when sending a reachability packet to the RADIUS server.
wi01032441, wi01032439	802.1X, RADIUS VLANs (RAV), DHCP Requests, Wrong VLAN: When the switch boots, DHCP traffic is now correctly blocked until EAP/NEAP authentication starts. Previously DHCP request would be forwarded by the switch before EAP authentication, which could result in the end device obtained an IP Address which may be in the wrong VLAN is RADIUS Assigned VLANs (RAVs) are used.
wi01049334, wi00997610	802.1X/NEAP, Wake-on-LAN (WOL): The switch will now correctly forward a Wake-on-LAN packet for a device which has been authenticated as a Non-EAP (NEAP) device and which has gone to sleep.
wi01050193, wi01047238, wi01047286, wi01047012	ADAC, MLT: Issues related to incorrect operation of MLT ports in combination with ADAC when ADAC configurations are modified, disabled or the switch/stack transitions to standalone have now been addressed.
wi00996178	FAN MIB: The reporting of intermittent FAN Failures by querying the switch MIB has now been rectified, so that the MIB status correctly reflects the FAN operational mode.
wi00993842	Jumbo Packets, UDP Forwarding: Jumbo frames are now correctly forwarded when UDP forwarding is enabled on the switch.
wi01049818	OSPF, Missing Hellos: The switch will now correctly send OSPF Hello Packets on reception of requests from an OSPF peer. Previously in some situations the switch would send out requests only every 10 seconds or longer which could result in loss of OSPF adjacency.
wi00986026	Software Exception, VLACP: A software exception which occurred when running VLACP with fast timers and high amounts of ARP/broadcast traffic is now rectified.
wi00996200	Software Exception: An issue which resulted in a software exception with the name "tPDT" when processing certain traffic on MLT ports is now rectified.
wi01011752	SSH, HTTPS: If multiple port scans are run against the switch/stack, the switch will now continue to correctly respond to valid HTTPS or SSH connections.
wi01042213	Support Contact: The support contact reported via the switch software now correctly indicates support@avaya.com
wi01021689	Upgrade from 5.3, Configuration, MLT Settings: The MLT shutdown-ports-on-disable setting is now correctly maintained when upgrading the switch agent code software from release 5.3.x.
wi01028451, wi01049826	VLACP not working with Ethertype 8102: Interoperability issues with VLACP using Ethertype 8102 (default Ethertype for SLPP-guard) have now been addressed.

Issues Resolved in 5.5.1	
wi00881470	802.1AB (LLDP), Avaya TLVs: Avaya dot1q-framing and poe-conservation-request-level information is now correctly displayed after a unit is rebooted within the stack.
wi00881822	802.1AB (LLDP), MED: LLDP Med TX-TLV information is now correctly displayed after a unit is rebooted within the stack.
wi00928236	802.1AB (LLDP), Temporary Base Unit: When the stack is operating using the Temporary Base Unit (TBU) setting LLDP TX TLVs for all ports now works correctly.
wi00895689	802.1X, EAP, Port Disconnect: When a devices supporting EAP is disconnected from a port, all EAP entries are now properly aged and removed.
wi00895213	802.1X, EAP, RADIUS: During periods of high 802.1X authentication, the switch is now able to manage the large number of pending RADIUS requests when response from the RADIUS server may be slow. This previously resulted in an error message that the "Radius Queue is Full".
wi00898601	802.1X, EAP, STP: Avaya IP Phone 9608 now works correctly if the link is transitioned and 802.1X Multihost Multicast mode as well as Spanning Tree (STP) is enabled on the port.
wi00952270	Configuration, 256 Concurrent VLANs: An issue in which the configuration containing 256 VLANs for a stack of 8 switches was not correctly saved to the binary configuration and subsequently not able to be restored after stack reboot is now rectified.
wi00952270	Configuration, 802.1AB (LLDP) dot1 TLVs: An issue in which the configuration containing lldp tx-tlv dot1 protocol-identity STP and EAP was not correctly saved to the binary configuration and subsequently not able to be restored after stack reboot is now rectified.
wi00975223	Configuration, Large Size: A situation where a large configuration existed on a stack, now the upgrading and then subsequent downgrading of a stack will no longer result in the stack being incorrectly set to default configuration.
wi00975261	Configuration, Patch Load Upgrade: In some instances where a customer has been running a special patch load, the upgrade to a standard maintenance release will no longer cause the loss of configuration.
wi00944336	Configuration, Port VLANs, Secure Image: In some situations an issue where the port VLAN configuration was not correctly saved to the binary configuration and subsequently not able to be restored after stack reboot is now rectified.
wi00889880	Configuration, Unit Restore: A binary configuration file from a stack can now be correctly extracted to a unit when operating in standalone mode.
wi00954473	Dynamic ARP Inspection (DAI), Unit Replacement: The Dynamic ARP Inspection trusted/untrusted state for each port is now correctly restored if a unit is replaced in an operational stack.
wi00978114	EDM, ASCII Config: EDM now will correctly load an ASCII configuration file from the File System tab.
wi00952333	IP Address, Downgrade: When downgrading from 5.5.1 to 5.4.x software the switch/stack IP Management address will now be correctly retained.
wi00973915	IP Routing, Static: In some situations where the attempt to add an IP Static Route resulted in an incorrect warning message, this Static Route can now be correctly added to the switch without needing to perform a reboot.
wi00931371	IPFix, Templates: IPFix Templates are now correctly sent to the collector, for example Scrutinizer 8.6.1.
wi00958930	MAC Security, SNMP Trap: The SNMP Trap generated by MAC security now correctly shows the proper BoardIndex (Slot).
wi00869476	MAC Security: Addresses are now correctly deleted from the MAC Security table when the "no mac-sec mac-address" command is issued.
wi00975247	Management VLAN, MIB state: The following MIB instances ifOperStatus for ipAdEntIfIndex now correctly responds with an UP state as soon as a port is up in the Management VLAN.
wi00975239	Memory Leak, 802.1AB (LLDP), Large Configuration: In some situations where the ERS 4500 switch was connected to a large number of 802.1AB neighbors a memory leak no longer occurs.
wi00882779	Memory Leak, ADAC: The memory leak which occurred in some situations where the ERS

	4500 switch experiences significant number of link transitions with IP Phones connected is now addressed.
wi00961380	Memory Leak, TFTP: The memory leak which occurred in some situations where the ERS 4500 switch when copying the running config to a TFTP server is now addressed.
wi00937726	Passwords, Upgrade: When upgrading to 5.5.x software in some cases console or telnet passwords may no longer work. Please ensure that you refer to the section on Unified Authentication (see section 10).
wi00975232	PoE: If the PoE module performs a power reset, then PoE will now be correctly restored to designated ports following the reset.
wi00883329	QoS: The Ethertype field of ingress packets is now correctly processed by a QoS Layer 3 filter.
wi00893478	Temperature Display: The correct switch temperature is now correctly displayed in MIB, EDM and CLI, in some cases the temperature previously displayed was double the actual temperature.
wi00926171	USB, larger than 8GB: The switch will now correctly recognize, display and access files on a USB device when the device is larger than 8GB in size.

8. Outstanding Issues

None.

9. Known Limitations

None.

10. Documentation Corrections

None.

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