

Ethernet Routing Switch 5000 Series Software Release 6.2.1

1. Release Summary

Release Date: 15-November-2010

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

2. Important Notes Before Upgrading to This Release

Please note that Release Notes for all prior releases 6.2.0.X are still applicable to this release.

3. Platforms Supported

Ethernet Routing Switch 5510/5520/5530/5698TFD(-PWR)/5650TD(-PWR)/5632FD.

4. Notes for Upgrade

Please see “Ethernet Routing Switch 5000 Series, Configuration – System, Software Release 6.2” (NN47200-500, available at <http://www.avaya.com/support> . Click Products, select Ethernet Routing Switch 5000 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)
5xxx_60010_diags.bin	Diagnostic image	2,465,180
5xxx_621002.img	Agent code image	18,312,396
5xxx_621003.img	Agent code image (SSH)	19,066,712

5. Version of Previous Release

Software Version 6.2.0.200/201.

6. Compatibility

This software is managed with Enterprise Device Manager.

7. Changes in This Release

New Features in This Release

None.

Old Features Removed From This Release

None.

Problems Resolved in This Release

List of Work Items fixed in 6.2.1

WorkItem Id	Summary
wi00554995	Plugable ports do not show matching CLI data in Vendor Data and Order code
wi00555028	Base unit fails - Sw Exception: Task tSnmP
wi00600981	ERS 5500/5600 LACP does not recognize standby links
wi00600992	ERS 5520 switch reboot, 20% of the ip phones has the wrong vlan id
wi00664780	ERS5500: SW 6.1.1: Ip Source guard issue
wi00686330	5510 6.1.2 Static Route Going Inactive Do Not Recover Until Unit Is Rebooted
wi00691402	EDM: incorrect help for QoS classifier-block eval-order
wi00691671	5698 Cold Booting Non Base Unit Starts Broadcast Storm On Remaining DMLT Link
wi00691682	EAP Authentication Failing On First Attempt With EAP Default Values
wi00692082	ERS5500/6.1.1: dynamic ARP inspection/DHCP snooping blocks certain clients during PXE boot
wi00692555	New IPV6AAA:Incorrect error mess displayed when you create an ipv6 prefix without mask info
wi00692575	ERS 5650 6.0.3/6.1.2 OutDiscards are wrongly counting Filtered packets
wi00697419	stack of 56xx units fails to upgrade to 6.2.0 code: last-exception output available
wi00700965	ADAC: Voice-Vlan ports set to none after change Uplink ports.
wi00703946	Will Not Accept RIP Updates With Destination IP Of All Ones
wi00704127	Incoming interface in mroute displays invalid ports on MLTs when PIM virtual neighbor is used
wi00716719	ERS5500//v6/2//STP/RSTP blocked ports allow multicast IGMP Query packets to ingress the stacks causing a multicast storm.
wi00728575	Main: Softlic: Stack crash, Units reset with tStartup after upgrade to 6.2
wi00728704	EDM: refresh is not done for QoS system-element pattern when re-creating element (display issue)
wi00729482	EDM: QoS enhancements needed for Traffic Profile Set if individual-rate-metering is used
wi00730724	Eap/MHMOV:Not all the traffic of eap/non-eap clients reconverge after eap ena/disable
wi00731068	Auto Serial Console: Error msg should be enabled for show serial-console unit <2-8> for std
wi00731609	ERS 5520-48T PWR Stack v6.2.0.201 inoperable after adding ports to existing VLAN from third switch

wi00732866	ERS 5xxx- SMLT/SLT ports using SFPs with fix speed and duplex not working after a reboot
wi00734038	Username and passwords for stack units are not saved in ASCII
wi00734674	RADIUS: Reply protection disabled not saved in binary config file
wi00822281	56xx:V6.2.0: senders in same vlan can't receive each others stream
wi00822413	Ports are incorrectly blocked by USC when burst traffic is used
wi00554954	New IPv6: TBU reboots with exception error if using IPv6 traffic
wi00496286	New: SMLT/LACP: SMLTs may bouce during the Download process
wi00487898	Stack Counter "Dropped no resources" not functioning 56xx
wi00488165	SLPP intermitently not shutting down ports when loop remains in the setup
wi00488638	SMLT/LACP: Ports going into a blocking state-on reset
wi00554985	New: Power is cut off when AES is deactivated
wi00555012	ERS5600-v6.2-trials: TACACS+ Changing User Levels
wi00488592	Brouter ports not restored by AUR
wi00494461	5698 6.1.3.0 Custom User Password Profiles Are Not Being Applied To All Units
wi00496267	IST may fail to recover on peer reset when under load
wi00554987	Stack breaks while doing AUR for BU; at the end stack recovers and AUR succeeds
wi00555011	ecmp: ospf bounce when ecmp =4 & route 4000+
wi00555109	Custom User Password Profiles Are Not Being Applied To All Units in stack
wi00496344	Stack running on TBU falls apart when NBU is powered down/up
wi00496057	New: SMLT - CLI - Block local address from being entered as IST Peer address
wi00554957	ERS5600-v6.2-trials: summer-time config import fails
wi00555007	ERS5600 vt6.2-trials: ERS5520 "show nvram block" w/o time or timezone
wi00555118	ERS5600 vt6.2-trials: "show nvram block" "show clock" mismatch
wi00555132	ERS5600-v6.2-trials: AUR license disappears

8. Outstanding Issues

1. ICMP traffic is lost for approximately 2 minutes when one of the units in a IST enabled stack is powered down (wi00820020).

If the ERS-5XXX is used as a SMLT aggregator in a square SMLT configuration with VRRP enabled, ICMP traffic will be lost for approximately 2 minutes over SMLT links if the non-base unit in a stack, that's an IST peer, is powered down. ICMP loss will be witnessed on clients closest to the impacted stack that are originating the ICMP Request. ICMP loss will occur even if clients are not directly connected to the resetting unit of the impacted stack and regardless of link status.

This issue is observed when hosts sending and receiving traffic are single homed to the IST stack where the unit is reset.

Workaround: No current workaround. ICMP traffic will recover once the SMLTs are re-established and MAC Address database is resynchronized on both IST peers.

2. SMLT links with LACP enabled may bounce when receiving large route updates (wi00555182)

Workaround: Issue is not seen when using LACP long timers instead of short timers. Use long timer values to avoid routing loops that may occur as a result of SMLT link bounces.

Issue is observed when approximately 2000 routes are exchanged between IST peers. Also LACP bounce is observed only when used with SMLT/SLT and not in pure LAGs.

3. EDM cannot change serial console password type (wi00731562)

In order to change the serial console password type using EDM UI, it is necessary to first change Telnet/WEB password type (through EDM), then re-login with RW access and then change serial console password type as desired.

4. Intermittently power supply information is not displayed in the output of the command “show sys-info” (wi0081702)

Workaround: Use the command “show environmental” Fix will be implemented in a later release.

5. PMBPM: Traffic sent on monitor port not received by other ports if using xrxytx with 2 ports that don't exchange traffic (wi00797626)

Traffic sent on monitor port (allow mode) might not be received by other ports if using xrxytx with 2 ports that don't exchange traffic.

6. Monitor Port receives erroneous mirrored traffic when using Monitoring Mode XrxYtx (wi00797431)

When using Monitoring mode XrxYtx traffic is received on the Monitor Port even when traffic is not exchanged between the ports specified in mirrored ports unit/port X and unit/port Y.

Workaround: Currently no workaround. Fix will be implemented in a later release.

7. Mirrored Traffic is duplicated on hybrid stacks when using port mirroring modes AsrcBdstOrBsrcAdst and Asrc modes (wi00774863)

Workaround: Currently no workaround. Fix will be implemented in a later release.

8. IGMP: "show vlan multicast membership all" does not return anything (wi00733126)

Workaround: <show ip igmp group> command should be used.

9. Executing the command “boot default unit 1” on a Non Base Unit will factory default all the switches in a stack (wi00820389).

Workaround: Do not execute the command “boot default unit 1” on a Non Base Unit. Fix will be implemented in a later release.

10. Unresponsive script warning when selecting the “Show/Hide Non-Editable” button under the STP Multiport Menu within EDM (wi00731775)

Workaround: Do not select the Show/Hide Non-Editable button. This issue will be fixed in a future release.

11. SMLT over LACP may bounce when several edge devices are upgraded simultaneously (wi00825994).

Issue observed when upgrading agent code on edge devices and IST peers had nearly 1500 MAC addresses, 1500 ARPs and VRRP running on multiple VLANs

Workaround: It is recommended to upgrade the software version when network is not heavily in use and to upgrade edge devices one at a time. This will prevent several SMLTs and LAGs from bouncing simultaneously.

12. “NVR Error loading primary configuration block 1” seen in log messages on 56xx devices (wi00733383)

The message is an indication that the backup configuration is being used instead of the primary configuration. There should be no configuration differences between the primary and backup configuration. Verify configuration and if correct, no action needs to be taken.

13. LLDP setting are lost when using the upgrade path of 5.0.0.0 to 6.0.0.0 to 6.2.1.0 (wi00819820)

Workaround: After upgrading to 6.0.0.0, save the configuration using the command “copy configuration nvram” before upgrading to software 6.2.1.0. Also, issue is not present if autosave is enabled in the configuration during the period that software 5.0.0.0 was being utilized.

14. Administratively disabling MLTs that have IP Multicast senders/receivers could result in multicast traffic issues (wi00829284).

Administratively disabling a MLT with 10 gig ports should be avoided when PIM receivers are present on that MLT. It is recommended to shutdown those MLT ports that have receivers before disabling an MLT.

Workaround: Toggle PIM (<no ip pim> followed by <ip pim enable> in the VLANs where MLT ports are present.

15. MLTs are not displayed as IGMP sources within EDM (wi00495311)

Workaround: Use the following CLI command “show ip igmp ...” to accurately display IGMP information.

16. SSH host key is regenerated when upgrade to 6.2.1.0 from 6.0.4 .0 or 6.1.x.x. (wi00686410)

When upgrading from 6.0.x or 6.1.x to 6.2.1 the 5500/5600 regenerates the SSH key and as a result the SNAS connection maybe rejected.

Workaround: The newly generated 5500/5600 SSH key must be re-imported into SNAS. Fix will be implemented at a later release.

17. Port description Details are missing within EDM (wi00555018)

Currently the Port Description within EDM only display unit/port information.

Workaround: Full Port Description details can be viewed by right clicking on the port in and selecting "Edit" in EDM. Fix will be implemented at a later release.

9. Known Limitations

None.

10. Documentation Corrections

For other known issues, please refer to the product release notes and technical documentation available from the Avaya Technical Support web site at: <http://www.avaya.com/support> .

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