

Ethernet Routing Switch 5000 Series Software Release 6.3.4

1. Release Summary

Release Date: August 21, 2014

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

2. Important Notes Before Upgrading to This Release

Use the following upgrade strategy if the DHCP snooping or nonEAP phone authentication uses DHCP signature or DHCP relay in the network.

Upgrade all switches in your network if they are running software version prior to the following versions:

ERS 2500: 4.4.3

ERS 35xx: 5.1.2, 5.2.x

ERS 4xxx: 5.6.4, 5.7.1, 5.8.x

ERS 5xxx: 6.2.8, 6.3.3, 6.6.x

VSP 7xxx: 10.3.2, 10.4.x

In some previous software releases of the stackable ERS platforms as well as VSP 7k, a software issue was found to cause malformed DHCP packets as they were forwarded out of the switch.

This issue is resolved starting with 6.3.3 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 6.3”, 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_60018_diags.bin	Diagnostic image	2,471,456
5xxx_634028.img	Agent code image	19,234,908
5xxx_634029s.img	Agent code image (SSH)	20,030,044

5. Version of Previous Release

Software Version 6.3.3.

6. Compatibility

This software release is managed with Enterprise Device Manager.

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

wi01126615 - ARP learning issue on non-base unit of 2-unit stack when base goes down.

wi01168790 – Switch appears to drop ARP packets on voice VLAN from Avaya SIP phones

wi01127393 - ERS 5530 fan warning error while show env shows the fan to be operating properly

wi01133901 - Show Environmental on EDM displayed bogus values for temperature

wi01168793 - The telnet and http stopped working sporadically.

wi01159475 – Stack instability with software exception "Task tHttpT_4, Type Data Access, PC 0x00880e14, SP 0x0797cd30" on entering wrong password with EDM

wi01148251 - MIB ntnQosFilterStatsInProfileOctets returned zero values

wi01115251 - If an IGMP query packet was received on a spanning tree blocked port, the switch accepted the packet, setting blocked port as active Mrouter port and forwarded the IGMP packet. This could cause IGMP query loops and 100% CPU utilization.

wi01168799 - IGMP reports (joins) coming from non-base unit port were dropped.

wi01173726 - A memory corruption could occur when SLPP enabled on Vid > 256

wi01140709 – Inter-VLAN routing did not work properly when using the source based routing feature

wi01173729 - Stack instability with software exception "(Sw Exception: Task IP, Type Data Access, PC 0x00ff538c, SP 0x06ba6980)" was resolved in this release.

wi01155690 - When configuring IP Arp-Inspection on individual port or group of ports on BU, "Cannot modify settings" message was displayed and configuration change occurred.

wi01173736 - Show rate limit output returned different results when queries from CLI and EDM

wi01173741 – Some clients did not get their IP addresses through dhcp-relay in a SLT environment when both SLT links were up.

wi01160708 – "s5CtrNewProblem: power supply 2 No Input Power" is overwritten in log with same time stamp when power supply is re-inserted

wi01173743 – Could not take binary configuration backup from the stack

wi01162028 - ARP entries were not learned on core stacks causing phones not to be able to reach the voice servers attached to edge switches.

wi01128193 - Arp learning issue when VM moved between the servers

wi01155225 - MAC address table reached maximum size of 16,000 entries causing MACs not to age out.

wi01164847 - "show ssh banner" caused serial connection to be disconnected when serial-security was enable.

wi01160698 - When the STP port mode is configured to auto and a port which did not belong to any VLAN was added to a VLAN, the STP participation of the port was automatically enabled.

wi01172315 - Under certain conditions clients will not get IP addresses in an SMLT cluster of 5600 with DHCP

wi01162836 - After a reboot switch stopped forwarding traffic until do shut/no shut of GBIC (SFP-SX)

wi01112069 – When using EDM, all ports listed under ENERGY SAVER tab when 9 or more ports were selected

wi01173003 – The switch sometimes did not process EAP Response Identity after an EAP failure event

wi01161836 - When VLACP had no partner on SLT port, interface "shut/no shut" reverted the SLT state from 'norm' to 'SLT'

wi01166435 - LLDP packets from switch, triggered by fast start, sometimes are missing the network policy TLV

wi01146812 - Copy and clear license commands did not take effect until "save config" command was executed

wi01162487 - EDM Showed last change status value to be zero for multiple ports .

wi01178906 – A memory leak in the base unit caused the unit to be non-responsive and resulting in failover when WoL (Wake on Lan) was performed on many clients

wi01177885 – A memory depletion issue was fixed in this release.

8. Outstanding Issues

wi01181572 - STP port state on port which does not belong to any VLAN is disabled when port is added to a VLAN.

Workaround: set STP learning to normal on those ports.

9. Known Limitations

None.

10. Documentation Corrections

The following issues were fixed in 6.3.3:

wi01137374 - Querier communication fails and multicast traffic recovery time increased after upgrading from 6.3.0.0 to 6.3.1.0 or later.

wi01146564 - Stacking issues with errors intermittently observed after stack reboot.

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> .

11. Troubleshooting

As good practices of help for troubleshooting various issues, AVAYA recommends:

- Configuring the device to use the Simple Network Time Protocol to synchronize the device clock;
- Setting a remote logging server to capture all level logs, including informational ones. (#logging remote level informational).

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