Ethernet Routing Switch 4000 Series
Software Release 5.6.5

1. Release Summary

Release Date: 29-April-2014
Purpose: Software maintenance release to address customer and internally found software issues.

2. Important Notes Before Upgrading to This Release

None.

3. Platforms Supported

Ethernet Routing Switch 4000 (all models).

4. Notes for Upgrade

Please see "Ethernet Routing Switch 4000 Series, Configuration – System, Software Release 5.6" (available at http://www.avaya.com/support . Click Products, select Ethernet Routing Switch 4000 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_53003_diag.bin	Diagnostic image for ERS 4500 models (except 4500-PWR+).	1,589,514
4000_56401_diag.bin	Diagnostic image for ERS 4500-PWR+ & ERS 4800 models.	1,934,853
4000_56401_combodiag.bin	Combination diagnostics suitable for all ERS 4000 models.	3,524,367
4000_565012.img	Agent code image	8,727,952
4000_565013s.img	Agent code image (Secure / SSH)	9,124,896

5. Version of Previous Release

Software Version 5.6.4.

6. Compatibility

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

7. Changes in This Release

7.1. New Features in This Release

Upgrading to future agent images larger than 10MB is now supported using the following procedure:

4500-PWR+ & 4800 models:
step1. Load diagnostic image: 4000_56401_diag.bin
step2. Start the upgrade process.

If the stack contains 4500 models (except 4500-PWR+), use the combo diagnostic:
step1. Load diagnostic image: 4000_56401_combodiag.bin
step2. Before upgrading, verify that the new agent image has support for 45xx models.
step3. Start the upgrade process.

7.2 Old Features Removed From This Release

None.

7.3 Problems Resolved in This Release

7.3.1 Problems resolved in the diagnostic image

On reboot, the switch briefly looped SLPP packets (**wi01117195**)

7.3.2 Problems resolved in the agent image

Static routes did not show the next hop port (**wi01130033**)

SnmpGet shows zeros for port statistics when multiple OIDs are pulled (**wi01142529**)

The switch dropped ARP packets on voice VLAN from Avaya SIP phones (**wi01119633**)

While running SSH, the "show run" command was extremely slow (**wi01138162**)

Inter-vlan routing issue when the base unit on a 2-unit stack was off (**wi01135522**)

The telnet and http stopped working after a reboot (**wi00991748**)

DHCP snooping populates incorrect lease period for PC (**wi01128528**)

IGMP reports (joins) from ports on the non-base units were dropped (**wi01147473**)

QoS was filtering wrong packets along with the LLC frames (**wi01145666**)

Show rate limit output were different in CLI and EDM (**wi01155197**)

Random ports stopped sending traffic although up physically and when the switch was rebooted the following error messages were seen on the console: bcmLINK.0ERROR: port 0:xe1: timeout draining packets (**wi01147380**)

Some ports on the switch did not learn MAC addresses of the connected devices (**wi01130059**)

It was not possible to take a configuration backup in binary format on a mixed mode stack of ERS 4850 & ERS 4550 (**wi01154301**)

8. Outstanding Issues

None.

9. Known Limitations

None.

10. Documentation Corrections

None.

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).