Ethernet Routing Switch 4800 Series
Software Release 5.9.5

1. Release Summary

Release Date: 27-February-2017
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 4800 (all models).

4. Notes for Upgrade

Please see "Release Notes for Avaya Ethernet Routing Switch 4000 Series Release 5.9.2, NN47205-400", available at http://www.avaya.com/support for details on how to upgrade your Switch.

File Names for This Release

File Name	Module or File Type	File Size (bytes)
4000_58001_diag.bin	Diagnostic image	1,934,853
4800_595022.img	Agent code image	12,088,664
4800_595023s.img	Agent code image (Secure / SSH)	12,392,828

5. Version of Previous Release

Software Version 5.9.4.

6. Compatibility

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

7. Changes in This Release

New Features in This Release

None.

Old Features Removed From This Release

None.

Problems Resolved in This Release

ERS454800-2523 - Stack of ERS 4850GTS with a Duplicate Nickname Connected to Existing SPB Domain, Removing it Caused Network Outage
- SPBM ISIS Duplicate System Id/Nickname Detection.
    - Enhancements were made to the SPBM code in all products to help prevent network outages caused by duplicate misconfigurations of Nickname and/or System-id.
    - The upgraded code has algorithms to detect duplicate system-id and/or Nickname when a node is introduced into the SPB network. When duplication is detected the newly added duplicate system is isolated from the SPBM network by automatically disabling ISIS and the existing SPBM nodes perform clean-up activities for the corruption introduced.
    - The recovery procedure is as follows depending on which entity was duplicated:
        a. If both the Nickname and System-id were duplicated, then both need to be made unique and ISIS re-enabled
        b. If only the System-id was duplicated then the Nickname needs to be changed, the System-id needs to be made unique and ISIS re-enabled
        c. If only the Nickname was duplicated then:
            1. Either wait 20 minutes for the LSPs from that System-id to age out of the network, make the Nickname unique and re-enable ISIS
            2. Or if the node needs to be introduced into the network immediately, make the Nickname unique, change the System-id and re-enable ISIS
    - To help administrators identify and avoid introducing a duplicate, the existing CLI command "show isis spbm nick-name" was augmented to include all system identifications that need to be unique:
        LSP-id /system-id, Nickname, Virtual BMAC and Host name.
    - A CLI consistency check was introduced to prevent a virtual BMAC being erroneously configured equal to the "system-id" or the "IST peer's system-id".
    - Two new SNMP Traps were introduced to indicate the occurrence of duplicate System-id and/or duplicate Nickname

ERS454800-2155 - Several end users connected to the stack not able to reach the network
- False Intruder logs inserted when a MAC is migrated between ports with mac-security and auto-learning enabled (issue reported when ports from different units with the same id are used or the same MAC is received on both ports in the same time)
- Counters for the number of Auto learned MAC addresses improper increase when the same Source MAC address reaches two ports at the same time

ERS454800-2476 - CVE-2008-5161 vulnerability & others reported via Nessus Scans

ERS454800-2487 - 4850GTS: Power Status Unavailable and port poe status as Deny Low Priority

ERS454800-2491 - Display Error On EDM for MTU Size When the Switch Jumbo Frame Setting Is Disabled

ERS454800-2507 - Client do not communicate with EAP and SPB when fail-open-vlan is configured

ERS454800-2508 - 10-15 % CPU spike after software upgrade to 5.9.3

ERS454800-2511 - SNTP time synchronization has 1 hour difference

ERS454800-2597 - Ports added to vlans from 4001 and so on are not seen in Running configuration

ERS454800-2534 - ERS4800: Unable to authenticate via radius

ERS454800-2538 - ERS 4800: EDM Incorrectly Displays SFP uplink port as Copper port

ERS454800-2540 - List of CVEs found by the NESSUS vulnerability scanner run by the customer

8. Outstanding Issues

None.

9. Known Limitations

ERS454800-2556 - SPBM : Guard rail : ISIS on SPBM node not disabled when setting an SYS-ID equal to a cluster's SMLT-VIRTUAL-BMAC

- The SPB Duplicate SysID/Nickname Detection mechanism does not cover the scenario when a new SPB node is added to the network and this node's SysID is equal with the SMLT Virtual BMAC of another IST cluster in the SPB domain.

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).

To access more technical documentation, search our knowledge base, or open a service request online, please visit Avaya Technical Support on the web at: http://www.avaya.com/support.