Extreme
Connect Beyond the Network

Customer Release Notes

Ethernet Routing Switch 4800 Series

Software Release 5.12.1

September 2018

INTRODUCTION:

This document provides specific information for version 5.12.1 of agent software for the Ethernet Routing Switch 4800 (All models).

The purpose of this version is to address customer and internally found software issues.

> **Extreme Networks recommends that you thoroughly review this document prior to installing or upgrading this product.**
>
> **For the latest firmware versions, visit the download site at: https://extremeportal.force.com**

IMPORTANT NOTES BEFORE UPGRADING TO THIS RELEASE

None.

PLATFORMS SUPPORTED

Ethernet Routing Switch 4800 (All models)

NOTES FOR UPGRADE

Please see "Configuring Systems on Extreme Networks Ethernet Routing Switch 4800 Series, available at https://www.extremenetworks.com/support/documentation for details on how to upgrade your Switch.

FILE NAMES FOR THIS RELEASE

File Name	Module or File Type	File Size (bytes)
4000_58003_diag.bin	Diagnostic image	1,934,909
4800_5121027s.img	Agent code image (SSH)	13,154,968
ers4000v5120_HELP_EDM.zip	EDM Help file zip	3,614,989
ers4000v5.12.0.0.zip	EDM plug-in for COM file zip	5,108,740
Ethernet_Routing_Switch_4800_MIBs_5.12.0.zip	MIB definition files	1,634,285

VERSION OF PREVIOUS RELEASE

Software Version 5.12.0.

COMPATIBILITY

This software release is managed with Enterprise Device Manager (EDM) which is integrated into the agent software.

CHANGES IN THIS RELEASE

New Features in This Release

IGMP Stream Filter

This release supports IGMP stream filter enhancement which offers the ability to block a range of multicast groups from being learned on a list of switch ports from an IGMP snooping enabled VLAN.
This can be achieved by creating a profile ID containing a range of multicast IP addresses that indicates the range of multicast groups. The stream filtering can be applied on IGMP snooping enabled VLANs and associates the profile ID (multicast group range) with a list of switch ports on which the streams need to be blocked.

Configuration example:
```
    4850GTS-PWR+(config)#ip igmp profile 1
    4850GTS-PWR+(config-igmp-profile)#range 234.0.0.0 234.0.0.255
    4850GTS-PWR+(config-igmp-profile)#exit
    4850GTS-PWR+(config)#
    4850GTS-PWR+(config)#int vlan 1
    4850GTS-PWR+(config-if)#ip igmp stream-filter profileID 1 portlist 1,5,7
    4850GTS-PWR+(config-if)#exit
    4850GTS-PWR+(config)#
```

Verifying the configuration:
```
    4850GTS-PWR+(config)#show ip igmp stream-filter vlan 1
    VLAN 1 - stream profile count is 1
    ------------------------------------------------------------
    PrID Start End Port List
    ------------------------------------------------------------
    1 234.0.0.0 234.0.0.255 1,5,7
```

Disabling the feature:
```
    4850GTS-PWR+(config)#int vlan 1
    4850GTS-PWR+(config-if)#no ip igmp stream-filter profileID 1
    4850GTS-PWR+(config-if)#exit
```

Limitations:
- a maximum number of 240 profiles can be configured, with IDs 1 to 65535 (legacy limits)
- a maximum number of 16 (VLAN, profileID, portlist) bindings can be setup for each VLAN
- feature scales up to 256 snooping enabled VLANs (legacy limits)
- there is no SNMP or EDM support for this enhancement

Old Features Removed From This Release

None.

F0615-O

Problems Resolved in This Release

ERS454800-2973 - Syslog not being forwarded to syslog server after upgrade from 5.7.1 to 5.11.2 code

ERS454800-2991 - Change of Authorization (CoA) message send by Radius Server rejected by switch for a Non-EAP device

ERS454800-2951 – Memory depletion on an SPB-multicast enabled stack where the source of the multicast streams is connected while the receivers located on the remote SPB node are joining and leaving the multicast group

ERS454800-2999 - Loop for very short interval over a distributed trunk if second unit of the stack boots up after first unit is fully functional.

ERS454800-3015 - Radius encapsulation <MS-CHAP-V2> changed to enabled after upgrade from a non-SSH image to an SSH image

ERS454800-3017 - EAP users not able to connect when FA elements bindings are not static

ERS454800-2947 - Incorrect help description for disabling radius dynamic-server process-reauthentication-request

ERS454800-2952 - Edge Automation Enhancements: Dynamic port settings remain enabled after software reset when two or more EAP clients are authenticated on the same interface.

ERS454800-2948 - MLT ports change their tagging after adding one MLT port to a new vlan with vlan configcontrol set to automatic using specific command

ERS454800-2997 - EAPoL client MAC not learnt on RAV when using MultiVLAN with SPBM.

ERS454800-2840 - Image download no-reset: CPU reaches 100% and some applications (VLACP, for example) may be disrupted during image download with no-reset option.

KNOWN LIMITATIONS:

None new.
For other previously known issues, please refer to the product release notes and technical documentation available from the Extreme Networks Support web site at:
https://www.extremenetworks.com/support/release-notes

DOCUMENTATION CORRECTIONS

None.

TROUBLESHOOTING

As good practices of help for troubleshooting various issues, Extreme Networks 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).

F0615-O

GLOBAL SUPPORT:

By Phone: +1 800-998-2408 (toll-free in U.S. and Canada)

For the toll-free support number in your country:
www.extremenetworks.com/support/

By Email: support@extremenetworks.com

By Web: www.extremenetworks.com/support/

By Mail: Extreme Networks, Inc.
6480 Via Del Oro
San Jose, CA 95119

For information regarding the latest software available, recent release note revisions, or if you require additional assistance, please visit the Extreme Networks Support website.