

Customer Release Notes

Ethernet Routing Switch 3600 Series

Software Release 6.5.3

March 2022

INTRODUCTION:

This document provides specific information for version 6.5.3 of agent software for the Ethernet Routing Switch 3600 (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:
www.extremenetworks.com/support/

IMPORTANT NOTES BEFORE UPGRADING TO THIS RELEASE

None.

PLATFORMS SUPPORTED

Ethernet Routing Switch 3600 (All models)

NOTES FOR UPGRADE

Please see “Configuring Systems on Ethernet Routing Switch 3600 Series”, NN47213–506 available at https://documentation.extremenetworks.com/ERS_Series/ERS3600

FILE NAMES FOR THIS RELEASE

File Name	Module or File Type	File Size (bytes)
3600_6100_diags.bin	Diagnostic software	7,096,948
ers3600_653017s.img	SSH runtime image	16,457,504
ers3600v630_HELP_EDM.zip	EDM Help file zip	1,678,595
Ethernet_Routing_Switch_36xx_MIBs_6.5.2.zip	MIB definition files	1,677,099

VERSION OF PREVIOUS RELEASE

Software Version 6.5.2

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

Extreme Dynamic MHSAs Radius attribute

Similar to how the current FA Zero Touch dynamically enables EAP (MHSAs) when an FA element is detected, starting with this release, the switch also processes the Extreme Dynamic MHSAs attribute (Code 250, Vendor ID 1916).

It works for both EAP and Non-EAP clients and for non-Extreme non-FA Access Points. As it needs a Radius authentication to happen first, EAP (and Radius Non-EAP if applicable) must be enabled both globally and per port.

MHSAs will be enabled globally (in a static way, saved in NVRAM), while at port level, MHSAs and MHSAs-No-Limit are enabled dynamically. This is consistent with FA ZT. If any of these are already enabled, we only enable the missing ones. Dynamic settings are lost at reboot (whether hard reboot or soft reboot).

The feature is disabled when the MAC aged out on all VLANs on that port. This can happen more frequently for NEAP clients, which are sensitive to aging. Check the logs and show commands to see if it is enabled or not:

- *"show eapol multihost interface <X>"* should show that MHSAs and MHSAs-No-Limit are enabled
- *"EAP: Authentication mode changed to MHSAs No-Limit, port 1/13, MAC 00:00:00:00:00:01"*
- When it is automatically removed:
"EAP: Authentication mode reverted from MHSAs No-Limit, port 1/13, MAC 00:00:00:00:00:01"

Limitations:

- FA ZT and this feature should not be used together. If both happen to be possible, the first one to meet its conditions will kick in.
- The attribute is not processed for re-authentication or CoA. To set or unset it, the client must be fully disconnected first.
- Only one client on the port can request this. We do not recommend setting the attribute to clients that aren't meant to be the Radius one for MHSAs.
- If the client is rejected by other applications (e.g., FA interactions) and enters the Held state, Dynamic MHSAs will still be applied until de-authentication
- If other clients are present on the port, they will be deleted when Dynamic MHSAs is enabled

Old Features Removed From This Release

None.

Problems Resolved in This Release

ID	Description
ERS3600-931	Added additional counter to the 'show ip igmp group count' command output to display the number of times a 'multicast table full' condition has occurred.
ERS3600-983	CoA requests statistics missing in EDM

KNOWN LIMITATIONS:

None.

DOCUMENTATION CORRECTIONS

None.

For other known issues, please refer to the product release notes and technical documentation available from the Extreme Networks support web site at: www.extremenetworks.com/support/

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).
- enabling timestamps on all `show` commands using the `cli timestamp enable` command

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.
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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.

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