# Customer Release Notes

## Ethernet Routing Switch 4900 and 5900 Series

Software Release 7.6.2.217

July 2019

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### INTRODUCTION:

This document provides specific information for version 7.6.2.217 of agent software for the Ethernet Routing Switch 4900 and 5900 Series (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/

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### IMPORTANT NOTES BEFORE UPGRADING TO THIS RELEASE

Changes contained in this release can cause connectivity issues for Half Duplex devices. Use of this software version is not recommended for switches that have Half Duplex links.

For more details, see the Knowledge Base article published here:

https://gtacknowledge.extremenetworks.com/articles/Solution/000040215

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### PLATFORMS SUPPORTED

Ethernet Routing Switch 4900 and 5900 Series (All models)

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### NOTES FOR UPGRADE

**Please see "Release Notes for Ethernet Routing Switch 4900 and 5900 Series, Release 7.6", available at https://www.extremenetworks.com/documentation for details on how to upgrade your Switch.**

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## FILE NAMES FOR THIS RELEASE

### Ethernet Routing Switch 4900 Series

| File Name | Module or File Type | File Size (bytes) |
|---|---|---|
| 5900_7502_diags.bin | Diagnostic image | 7573600 |
| 4900_762217s.img | Agent code image (SSH) | 19724052 |
| ers5000v760_HELP_EDM.zip | EDM Help file zip | 2192333 |
| ers5900v7.6.2.0.zip | EDM plug-in for COM file zip | 3813564 |
| Ethernet_Routing_Switch_4900_MIBs_7.6.1.zip | MIB definition files | 1691783 |
| 5900_poe_v15011.bin | POE firmware | 40960 |

### Ethernet Routing Switch 5900 Series

| File Name | Module or File Type | File Size (bytes) |
|---|---|---|
| 5900_7502_diags.bin | Diagnostic image | 7573600 |
| 5900_762217s.img | Agent code image (SSH) | 20343028 |
| ers5000v760_HELP_EDM.zip | EDM Help file zip | 2192333 |
| ers5900v7.6.2.0.zip | EDM plug-in for COM file zip | 3813564 |
| Ethernet_Routing_Switch_5900_MIBs_7.6.1.zip | MIB definition files | 1857136 |
| 5900_poe_v15011.bin | POE firmware | 40960 |

## VERSION OF PREVIOUS RELEASE

Software Version 7.6.2

## 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 |
|---|

**DFO Enhancements**

Added more PSU details to `"show system verbose"` for all units in stack.
Sample output:

```
P2(config)#show system verbose
…
Unit #2:
        Switch Model:          5952GTS-PWR+
        …
        Serial Number:         XLIR748P400001
        Manufacturing Date:    20140723
        Power Supply 1:
            Order Code         AL5800A2F-E6
            Order Coder Rev    R01
            Description        AC-DC-56V1400W-F2B
            Serial Number      K636NB001DBKZ
            Supplier Part Num  700-013146-1000
            Model Revision     REV.BP
            Manufacturer       ARTESYN
        Power Supply 2:
            Order Code         AL1905A3F-E6
            Order Coder Rev    R01
            Description        AC-DC-56V1400W-F2B
            Serial Number      K636RR00BVETZ
            Supplier Part Num  700-013146-1000
            Model Revision     REV.ET
            Manufacturer       ARTESYN
        Power Status :         1- OK 2- OK
```

| Old Features Removed From This Release |
|---|
| None. |


| Problems Resolved in This Release | |
|---|---|
| JIRA number | JIRA description |
| ERS495900-5268 and ERS495900-5367 | Random ports stop passing traffic (reboot of switch resolves) and can re-occur on same/different port. |
| ERS495900-5271 | Degraded throughput and dropped on no resources when uplink is 10 gig and access port is 1 gig. |
| ERS495900-5356 | Can no longer access ERS4900 switch via SSH or Telnet due to an error occurred during an MLT link flap. |
| ERS495900-5364 | Stacks are not reachable when mocSsh task is suspended and after reboot exceptions are registered. |
| ERS495900-5373 | ERS 4900: No PSU information available either via CLI, EDM or SNMP. |
| ERS495900-5383 | In a scenario with over 2K MACs learned over the NNI links, a snmpwalk on the dot1qtable will result in CPU spikes, with VLACP and ISIS adjacencies being impacted. |

| Problems Resolved in This Release | |
|---|---|
| ERS495900-5409 | ISIS adjacencies went down when tMCMgr task was waiting for a semaphore taken and not released. |
| ERS495900-5414 | MAC table output incomplete when EAPOL enabled on ports |

## KNOWN LIMITATIONS:

ERS495900-5439 - Devices connecting at half duplex no longer connect and/or maintain link after upgrade to 7.6.2.217.

For more details, see the Knowledge Base article published here:
https://gtacknowledge.extremenetworks.com/articles/Solution/000040215

For other previously 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/.

## DOCUMENTATION CORRECTIONS

None.

## TROUBLESHOOTING

As good practices of help for troubleshooting various issues, we recommend:

- 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).

## 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.