



# Extreme SLX-OS 20.7.2 Release Notes

Supporting ExtremeRouting and ExtremeSwitching  
SLX 9150, SLX 9250, SLX 9540, SLX 9640, SLX 9740,  
Extreme 8520, Extreme 8720, and Extreme 8820

9039349-00 Rev AA  
July 2025



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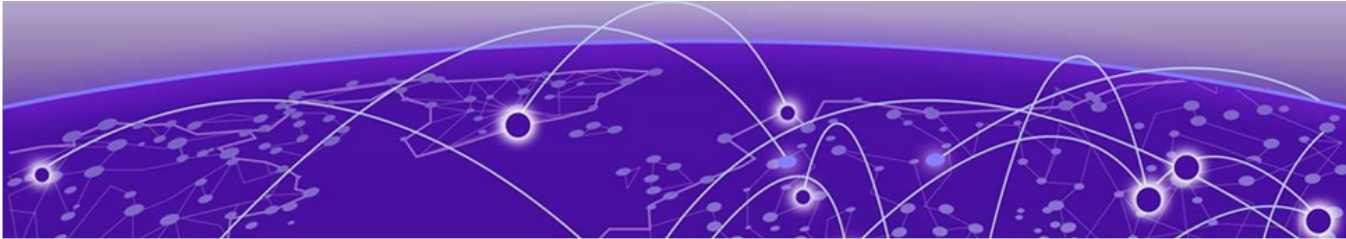


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# Document History

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Version	Summary of changes	Publication date
Rev AA	Initial version for SLX-OS 20.7.2	July 2025



# Preface

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Read the following topics to learn about:

- The meanings of text formats used in this document.
- Where you can find additional information and help.
- How to reach us with questions and comments.

## Conventions

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To help you better understand the information presented in this guide, the following topics describe the formatting conventions used for notes, text, and other elements.

### Text Conventions



Unless otherwise noted, information in this document applies to all supported environments for the products in question. Exceptions, like command keywords associated with a specific software version, are identified in the text.

When a feature, function, or operation pertains to a specific hardware product, the product name is used. When features, functions, and operations are the same across an entire product family, such as Extreme Networks switches or routers, the product is referred to as *the switch* or *the router*.

**Table 1: Notes and warnings**

Icon	Notice type	Alerts you to...
	Tip	Helpful tips and notices for using the product
	Note	Useful information or instructions
	Important	Important features or instructions

**Table 1: Notes and warnings (continued)**

Icon	Notice type	Alerts you to...
	Caution	Risk of personal injury, system damage, or loss of data
	Warning	Risk of severe personal injury

**Table 2: Text**

Convention	Description
screen displays	This typeface indicates command syntax, or represents information as it is displayed on the screen.
The words <i>enter</i> and <i>type</i>	When you see the word <i>enter</i> in this guide, you must type something, and then press the Return or Enter key. Do not press the Return or Enter key when an instruction simply says <i>type</i> .
<b>Key</b> names	Key names are written in boldface, for example <b>Ctrl</b> or <b>Esc</b> . If you must press two or more keys simultaneously, the key names are linked with a plus sign (+). Example: Press <b>Ctrl+Alt+Del</b>
<i>Words in italicized type</i>	Italics emphasize a point or denote new terms at the place where they are defined in the text. Italics are also used when referring to publication titles.
<b>NEW!</b>	New information. In a PDF, this is searchable text.

**Table 3: Command syntax**

Convention	Description
<b>bold text</b>	Bold text indicates command names, keywords, and command options.
<i>italic text</i>	Italic text indicates variable content.
[ ]	Syntax components displayed within square brackets are optional. Default responses to system prompts are enclosed in square brackets.
{ <b>x</b>   <b>y</b>   <b>z</b> }	A choice of required parameters is enclosed in curly brackets separated by vertical bars. You must select one of the options.
<b>x</b>   <b>y</b>	A vertical bar separates mutually exclusive elements.
< >	Nonprinting characters, such as passwords, are enclosed in angle brackets.

**Table 3: Command syntax (continued)**

Convention	Description
...	Repeat the previous element, for example, <i>member[member...]</i> .
\	In command examples, the backslash indicates a “soft” line break. When a backslash separates two lines of a command input, enter the entire command at the prompt without the backslash.

## Help and Support

If you require assistance, contact Extreme Networks using one of the following methods:

### Extreme Portal

Search the GTAC (Global Technical Assistance Center) knowledge base; manage support cases and service contracts; download software; and obtain product licensing, training, and certifications.

### The Hub

A forum for Extreme Networks customers to connect with one another, answer questions, and share ideas and feedback. This community is monitored by Extreme Networks employees, but is not intended to replace specific guidance from GTAC.

### Call GTAC

For immediate support: (800) 998 2408 (toll-free in U.S. and Canada) or 1 (408) 579 2800. For the support phone number in your country, visit [www.extremenetworks.com/support/contact](http://www.extremenetworks.com/support/contact).

Before contacting Extreme Networks for technical support, have the following information ready:

- Your Extreme Networks service contract number, or serial numbers for all involved Extreme Networks products
- A description of the failure
- A description of any actions already taken to resolve the problem
- A description of your network environment (such as layout, cable type, other relevant environmental information)
- Network load at the time of trouble (if known)
- The device history (for example, if you have returned the device before, or if this is a recurring problem)
- Any related RMA (Return Material Authorization) numbers



## Subscribe to Product Announcements

You can subscribe to email notifications for product and software release announcements, Field Notices, and Vulnerability Notices.

1. Go to [The Hub](#).
2. In the list of categories, expand the **Product Announcements** list.
3. Select a product for which you would like to receive notifications.
4. Select **Subscribe**.
5. To select additional products, return to the **Product Announcements** list and repeat steps 3 and 4.

You can modify your product selections or unsubscribe at any time.

## Send Feedback

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The User Enablement team at Extreme Networks has made every effort to ensure that this document is accurate, complete, and easy to use. We strive to improve our documentation to help you in your work, so we want to hear from you. We welcome all feedback, but we especially want to know about:

- Content errors, or confusing or conflicting information.
- Improvements that would help you find relevant information.
- Broken links or usability issues.

To send feedback, email us at [Product-Documentation@extremenetworks.com](mailto:Product-Documentation@extremenetworks.com).

Provide as much detail as possible including the publication title, topic heading, and page number (if applicable), along with your comments and suggestions for improvement.

## Related Publications

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### SLX-OS Publications

- Command Reference
- Layer 2 Guide
- Yang Reference Guide



# Release Overview

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[Release Overview](#) on page 10  
[Behavior Changes](#) on page 10  
[Software Features](#) on page 11  
[Changes in future releases](#) on page 11

## Release Overview

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Release SLX-OS 20.7.2 provides the following features:

- MPLS L3VPN Inter-AS option feature – additional support for scale and convergence
- Qualify Ericsson Corp Use case (200 VRFs scale) for 2 seconds convergence
- ZTP enhancement - support HTTPS as a transport mode
- Unified Routing enhancement - Preserve BGP attributes during route re-origination
- Layer 2 RIB enhancement addressing MAC inconsistency on a Multi-chassis (MCT) pair
- Password Attributes related enhancements
- A method to expose any crash files found on the SLX-OS device
- Track storage usage to avoid depletion of disk space
- *tcpdump* utility is made *interface* aware

## Behavior Changes

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The following are the behavioral changes for SLX-OS 20.7.2:

- With the *Disk Monitoring feature*, limited automatic clean-up of core files is done periodically, when the count of core files per process exceeds 3. This applies only to the core files generated by the Linux open-source components and not the SLX-OS generated core files.
- Max-password-age is auto applied to the *root* account on upgrade to SLX-OS 20.7.2 release.

## Software Features

The following key software features are added in the SLX-OS 20.7.2 release:

Feature Name	Supported in Platforms	Description
MPLS L3VPN Inter-AS option feature – Phase 2.	SLX 9740 Extreme 8820	Additional enhancements related to scale and convergence.
Qualify Ericsson Corp Access Use case for scale and convergence.	SLX 9740 Extreme 8820	Scale of 200 VRFs with 2 seconds convergence time is qualified.
ZTP enhancement	All platforms	Support for HTTPS as a transport mode is added.
Unified Routing enhancements.	SLX 9740 Extreme 8820	Following BGP attributes are preserved during route re-origination from EVPN to L3VPN and vice versa. <ul style="list-style-type: none"> <li>• Standard BGP Communities</li> <li>• Multi-Exit Discriminator (MED)</li> <li>• Local Preference</li> <li>• Extended Communities</li> </ul>
Layer 2 RIB enhancement.	Extreme 8720 Extreme 8820 SLX 9250 SLX 9740	Addresses MAC inconsistency on a Multi-chassis (MCT) paired SLX device.
Password Attributes related enhancements.	All platforms	<ul style="list-style-type: none"> <li>• Max-password-age and root user</li> <li>• Password-attribute history</li> <li>• Console message correction</li> </ul>
Method to expose any crash files found on the SLX-OS device.	All platforms	RAS enhancements
Track storage usage to avoid depletion of disk space.	All platforms	RAS enhancements
<i>tcpdump</i> utility is made <i>interface</i> aware.	All platforms	RAS enhancements

## Changes in future releases

The following changes are planned in future SLX-OS releases.

- Support for TLS version 1.1 will be removed from SLXOS 20.7.3. Users of the TLS version 1.1 should start using TLS version 1.2 or higher instead.



# CLI Commands

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[New commands added in 20.7.2](#) on page 12

[Commands Modified in 20.7.2](#) on page 12

[Commands Deprecated in 20.7.2](#) on page 12

## New commands added in 20.7.2

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- No Commands were added in SLX-OS 20.7.2.

## Commands Modified in 20.7.2

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The following commands were modified in SLX-OS 20.7.2:

- `lsr-id`
- `import vpv4 unicast reoriginate`
- `import l3vpn evpn reoriginate`
- `password-attributes`
- `root enable`

## Commands Deprecated in 20.7.2

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- No commands were deprecated in SLX-OS 20.7.2.



# Hardware Support

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[Supported Devices and Software Licenses](#) on page 13

[Supported Power Supplies, Fans, and Rack Mounts](#) on page 17

[Supported Optics and Cables](#) on page 18

## Supported Devices and Software Licenses

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Supported Hardware	Description
SLX9740-40C	Extreme SLX 9740-40C Router. Base unit with 40x100GE/40GE capable QSFP28 ports, 2 unpopulated power supply slots, 6 unpopulated fan slots
SLX9740-40C-AC-F	Extreme SLX 9740-40C-AC-F Router. Base unit with 40x100GE/40GE capable QSFP28 ports, 2 AC power supplies, 6 fan modules
SLX9740-80C	Extreme SLX 9740-80C Router. Base unit with 80x100GE/40GE capable QSFP28 ports, 4 unpopulated power supply slots, 4 unpopulated fan slots
SLX9740-80C-AC-F	Extreme SLX 9740-80C-AC-F Router. Base unit with 80x100GE/40GE capable QSFP28 ports, 4AC power supplies, 4 fan modules
SLX9740-ADV-LIC-P	Advanced Feature License for MPLS, BGP-EVPN and Integrated Application Hosting for Extreme SLX 9740
SLX9150-48Y-8C	Extreme SLX 9150-48Y Switch with two empty power supply slots, six empty fan slots. Supports 48x25GE/10GE/1GE + 8x100GE/40GE.
SLX9150-48Y-8C-AC-F	Extreme SLX 9150-48Y Switch AC with Front to Back Airflow. Supports 48x25GE/10GE/1GE + 8x100GE/40GE with dual power supplies, six fans.
SLX9150-48Y-8C-AC-R	Extreme SLX 9150-48Y Switch AC with Back to Front Airflow. Supports 48x25GE/10GE/1GE + 8x100GE/40GE with dual power supplies, six fans.
SLX9150-48XT-6C	Extreme SLX 9150-48XT 10GBaseT Switch with two empty power supply slots, six empty fan slots, Supports 48x10GE/1GE + 6x100GE/40GE.
SLX9150-48XT-6C-AC-F	Extreme SLX 9150-48XT 10GBaseT Switch AC with Front to Back Airflow, Supports 48x10GE/1GE + 6x100GE/40GE with dual power supplies, six fans.

Supported Hardware	Description
SLX9150-48XT-6C-AC-R	Extreme SLX 9150-48XT 10GBaseT Switch AC with Back to Front Airflow, Supports 48x10GE/1GE + 6x100GE/40GE with dual power supplies, six fans.
SLX9150-ADV-LIC-P	SLX 9150 Advanced Feature License for GuestVM, Analytics Path, PTP, BGP-EVPN.
SLX9250-32C	SLX 9250-32C Switch with two empty power supply slots, six empty fan slots. Supports 32x100/40GE.
SLX9250-32C-AC-F	SLX 9250-32C Switch AC with Front to Back Airflow. Supports 32x100GE/40GE with dual power supplies, six fans.
SLX9250-32C-AC-R	SLX 9250-32C Switch AC with Back to Front Airflow. Supports 32x100GE/40GE with dual power supplies, six fans.
SLX9250-ADV-LIC-P	SLX 9250 Advanced Feature License for GuestVM, Analytics Path, BGP-EVPN.
BR-SLX-9540-48S-AC-R	SLX 9540-48S Switch AC with Back to Front airflow (Non-port Side to port side airflow). Supports 48x10GE/1GE + 6x100GE/40GE. (1+1) redundant power supplies and (4+1) redundant fans included.
BR-SLX-9540-48S-AC-F	SLX 9540-48S Switch AC with Front to Back airflow (Port-side to non-port side airflow). Supports 48x10GE/1GE + 6x100GE/40GE. (1+1) redundant power supplies and (4+1) redundant fans included.
BR-SLX-9540-24S-DC-R	SLX 9540-24S Switch DC with Back to Front airflow (Non-port Side to port side airflow). Supports 24x10GE/1GE + 24x1GE ports.
BR-SLX-9540-24S-DC-F	SLX 9540-24S Switch DC with Front to Back airflow (Port-side to non-port side airflow). Supports 24x10GE/1GE + 24x1GE ports.
BR-SLX-9540-24S-AC-R	SLX 9540-24S Switch AC with Back to Front airflow (Non-port Side to port side airflow). Supports 24x10GE/1GE + 24x1GE ports.
BR-SLX-9540-24S-AC-F	SLX 9540-24S Switch AC with Front to Back airflow (Port-side to non-port side airflow). Supports 24x10GE/1GE + 24x1GE ports.
BR-SLX-9540-48S-DC-R	SLX 9540-48S Switch DC with Back to Front airflow (Non-port Side to port side airflow). Supports 48x10GE/1GE + 6x100GE/40GE. (1+1) redundant power supplies and (4+1) redundant fans included.
BR-SLX-9540-48S-DC-F	SLX 9540-48S Switch DC with Front to Back airflow (Port-side to non-port side airflow). Supports 48x10GE/1GE + 6x100GE/40GE. (1+1) redundant power supplies and (4+1) redundant fans included.
BR-SLX-9540-24S-COD-P	Upgrade 24x1GE to 24x10GE/1GE for SLX 9540
BR-SLX-9540-ADV-LIC-P	Advanced Feature License for SLX 9540

Supported Hardware	Description
EN-SLX-9640-24S	Extreme SLX 9640-24S Router. Supports 24x10GE/1GE + 4x100GE/40GE. (24S+4C sku no Power supplies or Fans)
EN-SLX-9640-24S-12C	Extreme SLX 9640-24S Router. Supports 24x10GE/1GE + 12x100GE/40GE. (All ports 24S+12C sku with no Power supplies or Fans)
EN-SLX-9640-24S-AC-F	Extreme SLX 9640-24S Router AC with Front to Back airflow. Supports 24x10GE/1GE + 4x100GE/40GE.(1 Power supply 6 Fans)
EN-SLX-9640-24S-12C-AC-F	Extreme SLX 9640-24S Router AC with Front to Back airflow. Supports 24x10GE/1GE + 12x100GE/40GE.(1 Power supply 6 Fans)
EN-SLX-9640-4C-POD-P	Extreme SLX 9640 Ports on Demand License for 4 ports of 100GE/40GE Uplinks
EN-SLX-9640-ADV-LIC-P	Extreme SLX 9640 Advanced Feature License
8720-32C	Extreme 8720-32C Switch with two empty power supply slots, six empty fan slots and a 4-post rack mount kit, Supports 32x100/40GE
8720-32C-AC-F	Extreme 8720-32C Switch with front to back airflow, Supports 32x100/40G with two AC power supplies, six fans and a 4-post rack mount kit
8720-32C-AC-R	Extreme 8720-32C Switch with back to front airflow, Supports 32x100/40G with dual AC power supplies, six fans and a 4-post rack mount kit
8720-32C-DC-F	Extreme 8720-32C Switch with front to back airflow, Supports 32x100/40G with dual DC power supplies, six fans and a 4-post rack mount kit
8720-32C-DC-R	Extreme 8720-32C Switch with back to front airflow, Supports 32x100/40G with dual DC power supplies, six fans and a 4-post rack mount kit
8520-48Y-8C	Extreme 8520-48Y Switch with two empty power supply slots, six empty fan slots; Ships with one 4-post rack mount kit; Supports 48x25/10/1G and 8x100/40G ports
8520-48Y-8C-AC-F	Extreme 8520-48Y Switch with front-back airflow; Ships with two AC power supplies, six fans, one 4-post rack mount kit; Supports 48x25/10/1G and 8x100/40G ports
8520-48Y-8C-AC-R	Extreme 8520-48Y Switch with back-front airflow; Ships with two AC power supplies, six fans, one 4-post rack mount kit; Supports 48x25/10/1G and 8x100/40G ports
8520-48Y-8C-DC-F	Extreme 8520-48Y Switch with front-back airflow; Ships with two DC power supplies, six fans, one 4-post rack mount kit; Supports 48x25/10/1G and 8x100/40G ports
8520-48Y-8C-DC-R	Extreme 8520-48Y Switch with back-front airflow; Ships with two DC power supplies, six fans, one 4-post rack mount kit; Supports 48x25/10/1G and 8x100/40G ports



Supported Hardware	Description
8520-48XT-6C	Extreme 8520-48XT Switch with two empty power supply slots, six empty fan slots; Ships with one 4-post rack mount kit; Supports 48x10/1G copper ports and 6x100/40G fiber ports
8520-48XT-6C-AC-F	Extreme 8520-48XT Switch with front-back airflow; Ships with two AC power supplies, six fans, one 4-post rack mount kit; Supports 48x10/1G copper ports and 6x100/40G fiber ports
8520-48XT-6C-AC-R	Extreme 8520-48XT Switch with back-front airflow; Ships with two AC power supplies, six fans, one 4-post rack mount kit; Supports 48x10/1G copper ports and 6x100/40G fiber ports
8520-48XT-6C-DC-F	Extreme 8520-48XT Switch with front-back airflow; Ships with two DC power supplies, six fans, one 4-post rack mount kit; Supports 48x10/1G copper ports and 6x100/40G fiber ports
8520-48XT-6C-DC-R	Extreme 8520-48XT Switch with back-front airflow; Ships with two DC power supplies, six fans, one 4-post rack mount kit; Supports 48x10/1G copper ports and 6x100/40G fiber ports
8000-PRMR-LIC-P	Extreme 8000 Premier Feature License (includes Integrated Application Hosting)
8820-40C	Extreme 8820-40C base unit with 40x100GE/40GE QSFP28 ports with 2 unpopulated power supply slots, 6 unpopulated fan slots and a 4-post rack mount kit
8820-40C-AC-F	Extreme 8820-40C with Front-Back airflow. Base unit with 40x100GE/40GE QSFP28 ports with 2 AC power supplies, 6 fan modules and a 4-post rack mount kit
8820-40C-AC-R	Extreme 8820-40C with Back-Front airflow. Base unit with 40x100GE/40GE QSFP28 ports with 2 AC power supplies, 6 fan modules and a 4-post rack mount kit
8820-40C-DC-F	Extreme 8820-40C with Front-Back airflow. Base unit with 40x100GE/40GE QSFP28 ports with 2 DC power supplies, 6 fan modules and a 4-post rack mount kit
8820-40C-DC-R	Extreme 8820-40C with Back-Front airflow. Base unit with 40x100GE/40GE QSFP28 ports with 2 DC power supplies, 6 fan modules and a 4-post rack mount kit
8820-80C	Extreme 8820-80C. Base unit with 80x100GE/40GE QSFP28 ports with 4 unpopulated power supply slots, 4 unpopulated fan slots and a 4-post rack mount kit
8820-80C-AC-F	Extreme 8820-80C with Front-Back airflow. Base unit with 80x100GE/40GE QSFP28 ports with 4 AC power supplies, 4 fan modules and a 4-post rack mount kit
8820-80C-AC-R	Extreme 8820-80C with Back-Front airflow. Base unit with 80x100GE/40GE QSFP28 ports with 4 AC power supplies, 4 fan modules and a 4-post rack mount kit



Supported Hardware	Description
8820-80C-DC-F	Extreme 8820-80C with Front-Back airflow. Base unit with 80x100GE/40GE QSFP28 ports with 4 DC power supplies, 4 fan modules and a 4-post rack mount kit
8820-80C-DC-R	Extreme 8820-80C with Back-Front airflow. Base unit with 80x100GE/40GE QSFP28 ports with 4 DC power supplies, 4 fan modules and a 4-post rack mount kit

## Supported Power Supplies, Fans, and Rack Mounts

Supported Device	Description
XN-ACPWR-1600W-F	SLX 9740 Fixed AC 1600W Power Supply Front to Back. Power cords not included. Extreme 8820 Fixed AC 1600W Power Supply Front to Back. Power cords not included.
XN-ACPWR-1600W-R	SLX 9740 Fixed AC 1600W Power Supply Back to Front. Power cords not included. Extreme 8820 Fixed AC 1600W Power Supply Back to Front. Power cords not included.
XN-DCPWR-1600W-F	SLX 9740 Fixed DC 1600W Power Supply Front to Back. Power cords not included. Extreme 8820 Fixed DC 1600W Power Supply Front to Back. Power cords not included.
XN-DCPWR-1600W-R	Extreme 8820 Fixed DC 1600W Power Supply Back to Front. Power cords not included.
XN-FAN-003-F	SLX 9740 FAN Front to Back airflow for SLX9740-40C. Extreme 8820 FAN Front to Back airflow for 8820-40C.
XN-FAN-003-R	SLX 9740 FAN Back to Front airflow for SLX9740-40C. Extreme 8820 FAN Back to Front airflow for 8820-40C.
XN-FAN-004-F	SLX 9740 FAN Front to Back airflow for SLX9740-80C. Extreme 8820 FAN Front to Back airflow for 8820-80C.
XN-FAN-004-R	SLX 9740 FAN Back to Front airflow for SLX9740-80C Extreme 8820 FAN Back to Front airflow for 8820-80C
XN-4P-RKMT299	2-Post Rail Kit for SLX 9740-40C
XN-2P-RKMT300	2-Post Rail Kit for SLX 9740-80C
XN-4P-RKMT301	4-Post Rail Kit for SLX 9740-80C
XN-4P-RKMT302	4-Post Rail Kit for SLX 9740-40C
XN-ACPWR-750W-F	AC 750W PSU, Front to Back Airflow supported on VSP 7400, SLX 9150, SLX 9250, X695, Extreme 8720, Extreme 8520
XN-ACPWR-750W-R	AC 750W PSU, Back to Front Airflow supported on VSP 7400, SLX 9150, SLX 9250, X695, Extreme 8720, Extreme 8520

Supported Device	Description
XN-DCPWR-750W-F	DC 750W PSU, Front to Back Airflow supported on VSP 7400, SLX 9150, SLX 9250, X695, Extreme 8720, Extreme 8520
XN-DCPWR-750W-R	DC 750W PSU, Back to Front Airflow supported on VSP 7400, SLX 9150, SLX 9250, X695, Extreme 8720, Extreme 8520
XN-FAN-001-F	Front to back Fan for use in VSP 7400, SLX 9150, SLX 9250, X695, Extreme 8720, Extreme 8520
XN-FAN-001-R	Back to Front Fan for use in VSP 7400, SLX 9150, SLX 9250, X695, Extreme 8720, Extreme 8520
XN-4P-RKMT298	Four post rack mount rail kit supported on VSP 7400, SLX 9150, SLX 9250, X695, Extreme 8720, Extreme 8520
XN-2P-RKMT-299	Two post rack mount rail kit supported on VSP 7400, SLX 9150, SLX 9250, X695, Extreme 8720, Extreme 8520, Extreme 8820
XN-2P-RKMT300	2-Post Rail Kit for Extreme 8820-80C
XN-4P-RKMT301	4-Post Rail Kit for Extreme 8820-80C
XN-4P-RKMT302	4-Post Rail Kit for Extreme 8820-40C

## Supported Optics and Cables

For a complete list of all supported optics, see **Extreme Optics** at <https://optics.extremenetworks.com/>



## Supported FEC Modes

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[SLX 9250 and Extreme 8720](#) on page 20

[SLX 9740 and Extreme 8820](#) on page 20

[SLX 9540 and SLX 9640](#) on page 21

### SLX 9150 and Extreme 8520

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FEC mode support for SLX 9150 and Extreme 8520

Port Type	Media Type	Default FEC Mode	Supported FEC Modes
100G	Passive DAC	RS-FEC	<ul style="list-style-type: none"><li>• RS-FEC</li><li>• Disabled</li></ul>
100G	SR4	RS-FEC	<ul style="list-style-type: none"><li>• RS-FEC</li><li>• Disabled</li></ul>
100G	LR4/PSM4	Disabled	<ul style="list-style-type: none"><li>• RS-FEC</li><li>• Disabled</li></ul>
25G (Native)	DAC	Auto-Neg	<ul style="list-style-type: none"><li>• RS-FEC</li><li>• FC-FEC</li><li>• Auto-Neg</li><li>• Disabled</li></ul>
25G (Native)	SFP	FC-FEC	<ul style="list-style-type: none"><li>• RS-FEC</li><li>• FC-FEC</li><li>• Disabled</li></ul>
25G (Native)	LR	RS-FEC	<ul style="list-style-type: none"><li>• RS-FEC</li><li>• FC-FEC</li><li>• Disabled</li></ul>

## SLX 9250 and Extreme 8720

FEC mode support for SLX 9250 and Extreme 8720

Port Type	Media Type	Default FEC Mode	Supported FEC Modes
100G	Passive DAC	RS-FEC	<ul style="list-style-type: none"> <li>• RS-FEC</li> <li>• Disabled</li> </ul>
100G	SR4	RS-FEC	<ul style="list-style-type: none"> <li>• RS-FEC</li> <li>• Disabled</li> </ul>
100G	LR4/PSM4	Disabled	<ul style="list-style-type: none"> <li>• RS-FEC</li> <li>• Disabled</li> </ul>
25G	Breakout DAC SR	Auto-Neg	<ul style="list-style-type: none"> <li>• RS-FEC</li> <li>• FC-FEC</li> <li>• Auto-Neg</li> <li>• Disabled</li> </ul>
25G	Breakout SR4	FC-FEC	<ul style="list-style-type: none"> <li>• RS-FEC</li> <li>• FC-FEC</li> <li>• Disabled</li> </ul>
25G	Breakout LR	RS-FEC	<ul style="list-style-type: none"> <li>• RS-FEC</li> <li>• FC-FEC</li> <li>• Disabled</li> </ul>

## SLX 9740 and Extreme 8820

FEC mode support for SLX 9740 and Extreme 8820

Port Type	Media Type	Default FEC Mode	Supported FEC Modes
100G	Passive DAC	RS-FEC	<ul style="list-style-type: none"> <li>• RS-FEC</li> <li>• Disabled</li> </ul>
100G	SR4	RS-FEC	<ul style="list-style-type: none"> <li>• RS-FEC</li> <li>• Disabled</li> </ul>
100G	LR4/PSM4	Disabled	<ul style="list-style-type: none"> <li>• RS-FEC</li> <li>• Disabled</li> </ul>
25G	Breakout DAC SR	FC-FEC	<ul style="list-style-type: none"> <li>• RS-FEC</li> <li>• FC-FEC</li> <li>• Disabled</li> </ul>

Port Type	Media Type	Default FEC Mode	Supported FEC Modes
25G	Breakout SR4	FC-FEC	<ul style="list-style-type: none"> <li>• RS-FEC</li> <li>• FC-FEC</li> <li>• Disabled</li> </ul>
25G	Breakout LR	RS-FEC	<ul style="list-style-type: none"> <li>• RS-FEC</li> <li>• FC-FEC</li> <li>• Disabled</li> </ul>

## SLX 9540 and SLX 9640

FEC mode support for SLX 9540 and SLX 9640

Port Type	Media Type	Default FEC Mode	Supported FEC Modes
100G	Passive DAC	RS-FEC	<ul style="list-style-type: none"> <li>• RS-FEC</li> <li>• Disabled</li> </ul>
100G	SR4	RS-FEC	<ul style="list-style-type: none"> <li>• RS-FEC</li> <li>• Disabled</li> </ul>
100G	LR4/PSM4	Disabled	<ul style="list-style-type: none"> <li>• RS-FEC</li> <li>• Disabled</li> </ul>
25G	Breakout LR	RS-FEC	<ul style="list-style-type: none"> <li>• RS-FEC</li> <li>• FC-FEC</li> <li>• Disabled</li> </ul>



# Software Download and Upgrade

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[Baseboard Management Controller \(BMC\) Firmware Upgrade](#) on page 22

[Software Upgrade / Downgrade Matrix](#) on page 23

[Threshold Monitoring Configurations - When Upgrading / Downgrading SLX-OS](#) on page 26

[SLX-OS Support for TPVM](#) on page 26

## Image Files

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For more information about the various methods of upgrading to SLX-OS 20.7.2, see the *Extreme SLX-OS Software Upgrade Guide*.

## Image Files

Download the following from [www.extremenetworks.com](http://www.extremenetworks.com) website.

Image File Name	Description
SLX-OS_20.7.2.tar.gz	SLX-OS 20.7.2 software
SLX-OS_20.7.2_mibs.tar.gz	SLX-OS 20.7.2 MIBS
SLX-OS_20.7.2.md5	SLX-OS 20.7.2 md5 checksum
SLX-OS_20.7.2-digests.tar.gz	SLX-OS 20.7.2 sha checksum
SLX-OS_20.7.2-releasenotes.pdf	Release Notes

## Baseboard Management Controller (BMC) Firmware Upgrade

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Additional information when upgrading the BMC firmware.

- With SLX-OS 20.6.1 onwards, BMC firmware update will be performed along with SLX-OS update on BMC supported platforms. This upgrade will happen only if the installed BMC firmware version is older than the version bundled along with the SLX-OS firmware. Supported SLX platforms are Extreme 8520, Extreme 8720, Extreme 8820, and SLX 9740. No new SLX-OS CLI was introduced for BMC firmware upgrade, as this being an implicit BMC firmware update.
- With this new feature, BMC firmware image is bundled as part of SLX-OS image. When the user updates the OS, and, if BMC firmware version on the device is found

to be older than the BMC image bundled with SLX-OS image, the BMC image bundled with SLX shall be updated on BMC along with SLX-OS update.

- By design, only BMC firmware upgrade is supported – downgrade is not supported.
- BMC firmware upgrade will occur with all supported SLX-OS upgrade methods – incremental, full install and net install
- In case the BMC upgrade fails, “firmware download” of SLX-OS will continue without any disruption.
- During BMC upgrade, IPMI/BMC connectivity will be impacted. Hence intermittent RASLOGS (e.g. FW-1404 and EM-1050, HIL-1404 etc) from environmental monitoring daemon may be observed. These intermittent RASLOG messages will disappear only after the device is reloaded. Existing BMC configuration will be preserved even after the BMC is updated.

## Limitations

Limitations when upgrading the BMC firmware.

- There is a small increase in SLX-OS installation time (around 4 to 7 minutes), if BMC firmware is also upgraded.
- Intermittent RASLOGS or FFDC messages are generated due to interruption at BMC/IPMI channel.

## Software Upgrade / Downgrade Matrix

Upgrade / Downgrade matrix for the SLX-OS devices.

### Extreme 8820

Upgrade downgrade matrix for Extreme 8820:

To--> From	20.4.3	20.5.3c	20.6.1/ a/b	20.6.2/a	20.6.3a/b	20.7.1/a	20.7.2
20.4.3 (Factory Image)	For upgrade: Normal firmware download / coldboot.						
20.5.3c							
20.6.1/ a/b							
20.6.2/a							
20.6.3a/b							
20.7.1/a							
20.7.2							

## Extreme 8720

Upgrade downgrade matrix for Extreme 8720:

To--> From	20.4.3	20.5.3c	20.6.1/ a/b	20.6.2/a	20.6.3a/b	20.7.1/a	20.7.2
20.4.3	For upgrade: Normal firmware download / coldboot.						
20.5.3c							
20.6.1/ a/b							
20.6.2/a							
20.6.3a/b							
20.7.1/a							
20.7.2							

## Extreme 8520

Upgrade downgrade matrix for Extreme 8520:

To--> From	20.4.3	20.5.3c	20.6.1/ a/b	20.6.2/a	20.6.3a/b	20.7.1/a	20.7.2
20.4.3	For upgrade: Normal firmware download / coldboot.						
20.5.3c							
20.6.1/ a/b							
20.6.2/a							
20.6.3a/b							
20.7.1/a							
20.7.2							

## SLX 9740

Upgrade downgrade matrix for SLX 9740:

To--> From	20.4.3	20.5.3c	20.6.1/ a/b	20.6.2/a	20.6.3a/b	20.7.1/a	20.7.2
20.4.3	For upgrade: Normal firmware download / coldboot.						
20.5.3c							
20.6.1/ a/b							
20.6.2/a							
20.6.3a/b							



To--> From	20.4.3	20.5.3c	20.6.1/ a/b	20.6.2/a	20.6.3a/b	20.7.1/a	20.7.2
20.7.1/a							
20.7.2							

## SLX 9540 and SLX 9640

Upgrade downgrade matrix for SLX 9540 and SLX 9640

To--> From	20.4.3	20.5.3c	20.6.1/ a/b	20.6.2/a	20.6.3a/b	20.7.1/a	20.7.2
20.4.3	For upgrade: Normal firmware download / coldboot.						
20.5.3c							
20.6.1/ a/b							
20.6.2/a							
20.6.3a/b							
20.7.1/a							
20.7.2							

## SLX 9150 and SLX 9250

Upgrade downgrade matrix for SLX 9250 and SLX 9250

To--> From	20.4.3	20.5.3c	20.6.1/ a/b	20.6.2/a	20.6.3a/b	20.7.1/a	20.7.2
20.4.3	For upgrade: Normal firmware download / coldboot.						
20.5.3c							
20.6.1/ a/b							
20.6.2/a							
20.6.3a/b							
20.7.1/a							
20.7.2							

## Threshold Monitoring Configurations - When Upgrading / Downgrading SLX-OS

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Keep the following things in mind with respect to Threshold Monitoring configuration when upgrading or downgrading SLX-OS.

### When Downgrading

Keep the following in mind when downgrading your SLX-OS version.

- If the configured value for CPU *limit* exceeds valid range in older release [0-80] then the downgrade will be blocked with error. User can reconfigure the CPU *limit* in the range [0-80] and downgrade.
- If the configured value for Memory **high-limit** exceeds valid range in older release [0-80] or if it is less than the default value of the *limit* parameter in older release [60], then the downgrade will be blocked with error. User can then reconfigure Memory **high-limit** in the range [60-80] and downgrade.
- If the startup file has *actions* configured as *snmp* or *all*, then the config replay process triggered in firmware during **full-install** downgrade, will lead all the corresponding Threshold Monitor CLI parameters, such as *poll* and *retry* to reset to their respective default values.

### When Upgrading

Keep the following in mind when upgrading your SLX-OS version.

- If the startup file has *Memory limit* and /or *low-limit* configured, then config replay process triggered in firmware **full-install** downgrade, will lead all the corresponding Threshold Monitor CLI parameters, such as *poll* and *retry* to reset to their respective default values.

## SLX-OS Support for TPVM

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SLX-OS 20.7.2 supports TPVM 4.6.x and 4.7.x on all platforms.

### Upgrade TPVM without Configuration Persistence (Legacy upgrade)

Upgrade TPVM without Configuration Persistence, which is the legacy method of upgrading.

*Upgrading TPVM from 4.6.x or 4.7.x*

Consider the following when upgrading TPVM from 4.6.x or 4.7.x:

- To perform full upgrade from 4.6.x to latest 4.7.x, do the following:
  - Upgrade to SLX-OS 20.7.x while the existing TPVM 4.5.x or 4.6.x installation continues to run
  - Copy the new *tpvm-4.7.X-X.amd64.deb* to */tftpboot/SWBD2900* directory on the SLX device.
  - Install latest TPVM 4.7.x using **tpvm upgrade** command

*Additional Information*

- Security updates are added to the TPVM image and to the separate Debian file used for incremental TPVM update. You must have at least 1GB of free space on the switch before proceeding with the `tpvm upgrade incremental` command.
- Ubuntu Linux distribution on TPVM is upgraded to 20.04 LTS from TPVM version 4.6.0 onwards. As Ubuntu Linux distribution on TPVM is upgraded to 20.04 LTS incremental upgrade is not supported, upgrading TPVM from 4.5.x to 4.6.x needs a full upgrade. Please refer to the respective TPVM 4.6.x Release notes for more information.
- The latest version in the TPVM 4.6.x branch, TPVM 4.6.24, has security updates till June 2nd, 2025.
- Ubuntu Linux distribution on TPVM is upgraded to 22.04 LTS from TPVM version 4.7.0 onwards. As Ubuntu Linux distribution on TPVM is upgraded to 22.04 LTS, incremental upgrade is not supported, upgrading TPVM from 4.6.x to 4.7.x needs a full upgrade. Please refer to the respective TPVM 4.7.x Release notes for more information.
- The latest version in the TPVM 4.7.x branch, TPVM 4.7.6, has security updates till June 2nd, 2025.
- For updates within the same series of TPVM releases, for example, between a version of 4.6.x and another version of 4.6.x, incremental upgrades are supported. Use the **`tpvm upgrade incremental`** command to do the upgrade.



# Limitations and Restrictions

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## Limitations and Restrictions

---

The following are the limitations and restrictions for this version of the SLX-OS release.

### Copy Flash to Startup Config and Reload with TPVM

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*setNTPServer* and *setLDAPServer* statuses are reported as failed in the output of the **show tpvm status-history** command. After reload, TPVM is expected to be running when the above configurations are re-applied. When TPVM is not running and the NTP and LDAP configurations are applied, then these errors are seen. This is a limitation, as reapplying NTP and LDAP configurations are not supported.

You need to have minimum 1GB free space on TPVM when you try to perform the security patch upgrade using the **tpvm upgrade incremental** command.

TPVM **upgrade incremental** command and file support is available only from TPVM 4.5.0. If you try to perform the incremental upgrade from 4.4.0 to latest, the upgrade will fail and you are asked to upgrade using the **tpvm upgrade** command.

**tpvm upgrade incremental** command is not supported when you use the **tpvm deploy** command in *config* mode. Also, **TPVM upgrade incremental** command is not supported with the *snapshot* option.

For upgrading to a TPVM patch, use the **tpvm upgrade incremental** command with the *tpvm\_inc\_upg-4.X.X-X.amd64.deb* image file. Do not use the *tpvm-4.X.X-X.amd64.dep* image file.

Similarly, use the **tpvm-4.X.X-X.amd64.dep** image file to perform full upgrade. The *tpvm\_inc\_upg-4.X.X-X.amd54.deb* image file should not be used for full upgrade.

## Port macro restrictions on breakout port configuration on SLX 9740 and Extreme 8820

A port macro (PM) is a port group. Each PM has 4 ports, which are contiguous. PM0 has ports 0/1-0/4, PM1 has ports 0/5-0/8, PM2 has ports 0/9-0/12, and so on.

Only the odd ports can be split to 4x10G or 4x25G using the breakout cables: 0/1, 0/3, 0/9, 0/11, 0/13, 0/15, 0/17, 0/19, 0/21, 0/23, 0/25, 0/27, 0/29, 0/31, 0/33, 0/35, 0/37, 0/39, 0/41, 0/43, 0/49, 0/51, 0/53, 0/55, 0/57, 0/59, 0/61, 0/63, 0/65, 0/67, 0/69, 0/71, 0/73, 0/75, 0/77, and 0/79. Breaking out these ports using the breakout cables results in 72 interfaces for the SLX 9740-40/Extreme 8820-40C and 144 interfaces for the SLX 9740-80C/Extreme 8820-80C.

- Ports 5-8 and 45-48 cannot be broken up and are supported only in 100G.
- For any PM, 40G and 10G ports cannot coexist with 25G ports. The following configurations are not supported:

PM Configuration	Examples
If any port is configured as 40G or 4x10G breakout, no 4x25G breakout is allowed unless the 40G ports will be removed as part of the breakout operation.	<ul style="list-style-type: none"> <li>• If 0/3 or 0/4 is 40G, you cannot configure 0/1 as 4x25G breakout.</li> <li>• If 0/1 is 4x10G breakout, you cannot configure 0/3 as 4x25G breakout.</li> <li>• If 0/3 is 4x10G breakout, you cannot configure 0/1 as 4x25G breakout.</li> <li>• If 0/1 or 0/2 is 40G, you can configure 0/1 as 4x25G breakout because 0/1 and 0/2 will be removed.</li> <li>• If 0/3 or 0/4 is 40G, you can configure 0/3 as 4x25G breakout because 0/3 and 0/4 will be removed.</li> </ul>
If 4x25G breakout is configured, no 40G or 4x10G.	<ul style="list-style-type: none"> <li>• If 0/1 is configured as 4x25G breakout, you cannot configure 0/3 or 0/4 as 40G.</li> <li>• If 0/1 is configured as 4x25G breakout, you cannot configure 0/3 as 4x10G breakout.</li> <li>• If 0/3 is configured as 4x25G breakout, you cannot configure 0/1 or 0/2 as 40G.</li> <li>• If 0/3 is configured as 4x25G breakout, you cannot configure 0/1 as 4x10G breakout.</li> </ul>

---

## Quality of Service

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The following are the limitations with respect to QoS.

- PCP remarking is not supported for SLX 9740 and Extreme 8820.
- Egress rate limiting in a Bridge Domain configuration is not supported for SLX 9740 and Extreme 8820.
- DSCP-COS map is not supported for SLX 9740 and Extreme 8820.
- On SLX 9640 platform, L3 QoS is not supported for VxLAN L3 gateway.
- On SLX 9540 and SLX 9640, if Trust-DSCP feature is enabled, then non-IP packets will take only the default traffic class value. For more details, refer the QoS section of latest SLX-OS Traffic Management guide.
- QoS support using MPLS EXP is supported only in SLX 9740 and Extreme 8820 (for L3VPN Uniform mode). DSCP-EXP, EXP-TrafficClass and EXP-DSCP maps are supported.
- DSCP Mutation and EXP-DSCP are mutually exclusive.

---

## Other Limitations

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The following are the other limitations and restrictions for this release of SLX-OS.

- sflow sampling does not work for VLL when BUM rate limiting is applied on interface in SLX 9740 and Extreme 8820.
- sflow sample traffic to CPU is rate limited. You can use the `qos cpu slot` command to change the rate.
- When Resilient Hashing CLI is enabled or disabled, or the max-path value is changed, it may cause BFD sessions in related VRFs to go down. However, BFD sessions in unrelated VRFs will not be affected.
- Resilient Hashing feature is supported only on SLX 9150, SLX 9250, SLX 9740 Extreme 8720, Extreme 8520, and Extreme 8820. It is not supported on SLX 9540 and SLX 9640.
- Resilient Hashing supports 32K flowset entries for Extreme 8720 and Extreme 8520.

---

## Open Config Telemetry Support

---

The following are the limitations and restrictions with respect to Open Config Telemetry support for this version of SLX-OS.

- User authentication is not supported.
- gNMI calls through inband interfaces is not supported.
- Usage of wild cards is not supported.
- gNMI SET is not supported.
- gNMI ON CHANGE subscription is not supported.

---

## SNMP

---

The following are the limitations and restrictions with respect to SNMP for this version of SLX-OS.

- Not all counters related to UDP, and TCP MIBs are supported.
- Configuring an in-band port into a Management VRF requires SNMP agent reload.

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## Maximum Logical Interfaces or LIFs Scale

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Maximum Logical Interface (LIF) (Port-VLAN/Port-Bridge Domain (BD)) associations supported on SLX 9150, SLX 9250, Extreme 8520, and Extreme 8720 is 14200.

Since VLAN and BD resources share the same hardware table memory space, the max scale of one has a trade-off with the scale of the other. That is, for example, the maximum Port-BD associations cannot be scaled to 14200 when the combined scale of VLAN and BDs exceeds 8096.

---

## ICMP and ICMPv6 redirect

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Enable/disable ICMP and ICMPv6 redirect are only available on SLX 9540 and SLX 9640. On these platforms, these are only supported on physical ports.

---

## Transporting IPv6 Traffic over GRE IPv4 Tunnel

---

The following are the limitations and restrictions with respect to transporting IPv6 traffic over GRE IPv4 tunnel for this version of SLX-OS.

- If GRE feature is enabled, IPv6 ACL filters to drop OSPFv3 packets will not work for SLX 9740 and Extreme 8820 platforms.
- Multicast traffic is not supported over IPv6 GRE overlay. Multicast packets will be dropped.
- IPv6 ACL is not supported on GRE tunnel.

---

## Flow Based Mirroring

---

The following are the limitations and restrictions with respect to Flow Based Mirroring for this version of SLX-OS.

This is applicable to SLX 9150, SLX 9250, Extreme 8520, and Extreme 8720 platforms.

- Flow based ingress mirroring does not support port-channel port as a mirroring source port.
- Flow based ingress mirroring supports VLAN as a mirroring source port, but VLAN range is not supported.

---

## MPLS Over GRE

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The following are the limitations and restrictions with respect to MPLS over GRE for this version of SLX-OS.

This is applicable to SLX 9150, SLX 9250, Extreme 8520, and Extreme 8720 platforms.

*Transit MPLSoGRE* and *dual-tag BD LIF* are mutually exclusive on the same interface (Ethernet or Port-channel) - both features cannot co-exist on the same interface.

- MPLSoGRE traffic will be impacted on an interface where dual-tagged BD LIF is configured.
- Other interfaces, without a dual-tagged BD LIF, are not impacted.

## Characters not supported in SLX-OS and TPVM passwords

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The following characters are not supported in both SLX-OS and TPVM passwords.

- & (ampersand)
- \ (backslash)
- ` (single quote)





# Defect Lists

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[Defects Closed With Code Changes](#) on page 34

[Defects Closed Without Code Changes](#) on page 39

## Open Defects

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[Open defects in SLX-OS 20.7.2](#)

### Open defects in SLX-OS 20.7.2

The following defects are open in SLX-OS 20.7.2:

Parent Defect ID:	SLXOS-76092	Issue ID:	SLXOS-76092
Product:	SLX-OS	Reported in Release:	SLXOS 20.4.3c
Symptom:	Self originated External LSA corresponds to the static route is removed from LSDB causing traffic loss.		
Condition:	Happens randomly on any of the core routers in the topology.		
Workaround:	Unconfigure and configure static route corresponding to the external LSA which is missing from LSDB.		
Recovery:	Unconfigure and configure static route corresponding to the external LSA which is missing from LSDB.		

Parent Defect ID:	SLXOS-76527	Issue ID:	SLXOS-76527
Product:	SLX-OS	Reported in Release:	SLXOS 20.5.3
Symptom:	BGP crashed when BGP Flowspec is enabled.		
Condition:	When BGP Flowspec is enabled.		
Workaround:	NA		
Recovery:	NA		

Parent Defect ID:	SLXOS-78319	Issue ID:	SLXOS-78319
Product:	SLX-OS	Reported in Release:	SLXOS 20.6.3ab
Symptom:	sFlow samples are not being forwarded to the sFlow collector.		
Condition:	sFlow is configured on Port-channel member port in an Extreme 8820 device.		

## Defects Closed With Code Changes

### Defects closed with code changes in SLX-OS 20.7.2

### Defects Closed with code changes in SLX-OS 20.7.2

The following software defects were closed with code changes in SLX-OS 20.7.2 as of July 2025:

Parent Defect ID:	SLXOS-77373	Issue ID:	SLXOS-77373
Product:	SLX-OS	Reported in Release:	SLXOS 20.6.3
Symptom:	BGP, LLDP flaps and ICMP packet loss between leaf and spine node is observed.		
Condition:	When unknown multicast IGMP packets are received on a leaf nodes and more than one Vxlan tunnel is present between the leaf nodes.		

Parent Defect ID:	SLXOS-77406	Issue ID:	SLXOS-77406
Product:	SLX-OS	Reported in Release:	SLXOS 20.4.3c
Symptom:	After a few MAC movements, the MAC status became inconsistent across MCT peers?on one MCT leaf, the MAC pointed to the local CCEP, while on the peer MCT node, the same MAC pointed to the EVPN tunnel.		
Condition:	In a topology where L2 is extended across two different IP fabric Data Centers (DCs) using L3VPN, rapid MAC movements between the DCs can lead to an inconsistent state.		
Workaround:	Manually clearing the MAC entries can resolve the issue.		

Parent Defect ID:	SLXOS-77462	Issue ID:	SLXOS-77462
Product:	SLX-OS	Reported in Release:	SLXOS 20.5.3
Symptom:	Gradual increase in DCMD memory utilization		
Condition:	When XCO triggers deep device discovery		

Parent Defect ID:	SLXOS-77621	Issue ID:	SLXOS-77621
Product:	SLX-OS	Reported in Release:	SLXOS 20.5.3
Symptom:	SPTSBP3PTCXT003 and TR-IQ13L-NEX optics are reported as non-Extreme branded though qualified.		
Condition:	The non Extreme branded message is seen during device bootup or during optics insertion		

Parent Defect ID:	SLXOS-77739	Issue ID:	SLXOS-77739
Product:	SLX-OS	Reported in Release:	SLXOS 20.5.3c
Symptom:	When route type changes from Intra to External in an NSSA area, ABR was not doing Type7 to Type5 conversion.		

Condition:	Intra to External route type change happens within a single SPF run and route calculation cycle.
Workaround:	Disable/Enable the subnet in the NSSA internal router (For eg: shutdown/no shutdown on the associated interface or remove/add the prefix)

Parent Defect ID:	SLXOS-77745	Issue ID:	SLXOS-77745
Product:	SLX-OS	Reported in Release:	SLXOS 20.5.3a
Symptom:	External routes are flapped in RIB after an OSPF route calculation is triggered even though no change in the corresponding routes.		
Condition:	For external routes with tag value configured, after every route calculation, entry in RIB is updated though no change in route params.		
Workaround:	NA		

Parent Defect ID:	SLXOS-77754	Issue ID:	SLXOS-77754
Product:	SLX-OS	Reported in Release:	SLXOS 20.6.1b
Symptom:	Self originated Type5 LSA corresponds to redistribution source will be flushed when a router is becoming non-translator for an NSSA area. Also the LSAs will have checksum errors and leads to the previous instance of same LSA exceeding MAX_AGE and stays on the neighboring routers forever leading to continuous SPF runs.		
Condition:	Issue will be seen when an NSSA ABR will become non-translator for one of its attached NSSA areas.		
Workaround:	NA		
Recovery:	NA		

Parent Defect ID:	SLXOS-77770	Issue ID:	SLXOS-77770
Product:	SLX-OS	Reported in Release:	SLXOS 20.6.1bb
Symptom:	Learning ARP from a host in another subnet (non-connected)		
Condition:	GARP is received from a non-connected host		

Parent Defect ID:	SLXOS-77787	Issue ID:	SLXOS-77787
Product:	SLX-OS	Reported in Release:	SLXOS 20.6.2b
Symptom:	UDP packet with destination port 8888 is trapped to control-plane		
Condition:	When UDP packet with destination port 8888 is received through the VPLS tunnel		

Parent Defect ID:	SLXOS-77789	Issue ID:	SLXOS-77789
Product:	SLX-OS	Reported in Release:	SLXOS 20.6.1bb

Symptom:	When the underlay network path experiences a brief disruption, VxLAN tunnels may go down and subsequently come back up. In some cases, after this tunnel flap, traffic may not be forwarded through the correct tunnel. Instead, it may be misdirected to an incorrect VxLAN tunnel. This issue is more likely to occur in topologies with a large number of VxLAN tunnels.
Condition:	In environments with a high number of VxLAN tunnels, if multiple tunnels flap simultaneously due to an underlay path failure, they may be re-established in a different order. Under certain timing conditions, this can result in VxLAN hardware resources being allocated differently. As a result, traffic may be incorrectly forwarded to the wrong tunnel endpoint.
Workaround:	To restore proper forwarding behavior, manually clear and re-establish the BGP EVPN sessions using the following command: "clear bgp evpn neighbor all" This forces a tunnel re-creation and typically resolves the forwarding issue.

Parent Defect ID:	SLXOS-77807	Issue ID:	SLXOS-77807
Product:	SLX-OS	Reported in Release:	SLXOS 20.6.3ab
Symptom:	The EVPN routing table selects an incorrect best path.		
Condition:	This happens when a VRF receives the same route from multiple sources with different local preference values and imports them into the EVPN table.		
Workaround:	None		
Recovery:	None		

Parent Defect ID:	SLXOS-77831	Issue ID:	SLXOS-77831
Product:	SLX-OS	Reported in Release:	SLXOS 20.6.3
Symptom:	Able to configure the 'crypto cert expiry-level info' value irrespective of minor, major, critical values		
Condition:	Whenever configure the 'crypto cert expiry-level info' less than minor or major or critical values.		

Parent Defect ID:	SLXOS-77837	Issue ID:	SLXOS-77837
Product:	SLX-OS	Reported in Release:	SLXOS 20.6.3a
Symptom:	Frequent EVPN dampening warning message on the console		
Condition:	After a Port-channel flap on the EVPN Multi-homing node		

Parent Defect ID:	SLXOS-77864	Issue ID:	SLXOS-77864
Product:	SLX-OS	Reported in Release:	SLXOS 20.6.3a

Symptom:	Device may crash when 'breakout' and 'no breakout' is executed.
Condition:	When 'breakout' and then 'no breakout' is executed on the 100G interface while SNMP IFMIB query is issued parallelly.

Parent Defect ID:	SLXOS-77867	Issue ID:	SLXOS-77867
Product:	SLX-OS	Reported in Release:	SLXOS 20.5.2a
Symptom:	Audit log and RAS log messages are captured with host IP as "127.0.0.1". While login through SSH		
Condition:	When connecting to a device via SSH or REST.		

Parent Defect ID:	SLXOS-77869	Issue ID:	SLXOS-77869
Product:	SLX-OS	Reported in Release:	SLXOS 20.6.3a
Symptom:	SLXOS software is not detecting the VPN service label update.		
Condition:	Per-Next-Hop Label Allocation: labels are assigned based on the next-hop IP address or exit point, rather than the VRF itself. Analysis: At T1, SLX receives a VPN route from a vendor device with label X1 (assuming per-next-hop label allocation at the vendor node). At T2, SLX receives the same VPN route update with label X2 due to a path or next-hop change at the vendor node. In this scenario, this issue can happen.		

Parent Defect ID:	SLXOS-77873	Issue ID:	SLXOS-77873
Product:	SLX-OS	Reported in Release:	SLXOS 20.6.3ab
Symptom:	User may observe "Message Generic Error" on console as syslog-ng configuration fails and stops running.		
Condition:	while configuring secure port 6514 for syslog-ng		

Parent Defect ID:	SLXOS-77904	Issue ID:	SLXOS-77904
Product:	SLX-OS	Reported in Release:	SLXOS 20.6.3a
Symptom:	No ARP response for few VEs, when multiple IPv4 Addresses are configured on a Ve interface.		
Condition:	Issue can be observed when multiple IPv4 Addresses are configured on a Ve interface with user configured VRF present on the Ve interface and when the system is reloaded.		
Workaround:	Issue will not be seen when either user configured VRF is not present on the VE interface and reloaded OR the IPv4 Addresses are configured manually during run time.		

Parent Defect ID:	SLXOS-77960	Issue ID:	SLXOS-77960
Product:	SLX-OS	Reported in Release:	SLXOS 20.6.2a

Symptom:	sFlow sample packet is not showing the interface speed properly.
Condition:	sFlow is configured on Port-channel interface in an SLX 9540 or SLX 9640 device.

Parent Defect ID:	SLXOS-78029	Issue ID:	SLXOS-78029
Product:	SLX-OS	Reported in Release:	SLXOS 20.7.1a
Symptom:	10G SFP optic FTLX8574D3BCL-EX was getting detected as unqualified on these platforms - 9640, 9540, 9150-F, 8520-F		
Condition:	When device come up or these specific optics are inserted, observed message as unqualified. After validation, these optics are now added to the qualified list.		

Parent Defect ID:	SLXOS-78054	Issue ID:	SLXOS-78054
Product:	SLX-OS	Reported in Release:	SLXOS 20.5.3c
Symptom:	IGMP packets are not flooded.		
Condition:	When IGMP snooping is not configured on the switch.		
Workaround:	None		
Recovery:	To recover from unwanted looping of unknown multicast packet, we suggest not using VLAN 1 on Layer 2 ports unless protected by some L2 loop prevention protocol.		

Parent Defect ID:	SLXOS-78131	Issue ID:	SLXOS-78131
Product:	SLX-OS	Reported in Release:	SLXOS 20.6.3a
Symptom:	Traffic originating from an L2 leaf fails to reach the Border Leaf (BL), resulting in dropped packets. This impacts routable traffic dependent on the BL's VE- MAC.		
Condition:	During the maintenance (update/reboot) of the Kubernetes servers, an unexpected packet loop caused the Border Leaf VE-MAC to be incorrectly learned as a dynamic MAC address, resulting in routable traffic being forwarded to the wrong destination.		
Workaround:	Remove and Re-add the impacted VLANs from the EVPN instance, so that VE MAC will be resynced by the BGP.		

Parent Defect ID:	SLXOS-78140	Issue ID:	SLXOS-78140
Product:	SLX-OS	Reported in Release:	SLXOS 20.6.1bd
Symptom:	The output of "show ip route next-hop ref-routes" does not display all learned routes for a next-hop; it is limited to 500 entries.		
Condition:	Occurs when more than 500 routes are learned with the same next-hop.		

Workaround:	None
Recovery:	None

Parent Defect ID:	SLXOS-78184	Issue ID:	SLXOS-78184
Product:	SLX-OS	Reported in Release:	SLXOS 20.6.1bc
Symptom:	IPv6 ACL is not blocking DHCPv6 Solicit packet.		
Condition:	IPv6 ACL is configured with 'deny' rule to drop DHCPv6 Solicit packet.		

## Defects Closed Without Code Changes

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[Defects closed without code changes in SLX-OS 20.7.2](#)

### Defects Closed Without Code Changes in SLX-OS 20.7.2

No software defects were closed without code changes in SLX-OS 20.7.2 as of July 2025.