Extreme SLX-OS 20.8.2a Release Notes

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

9041197-01 Rev AA
November 2026



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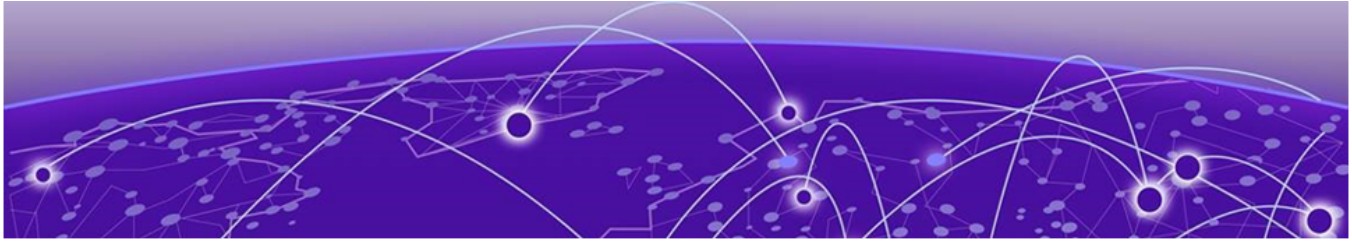

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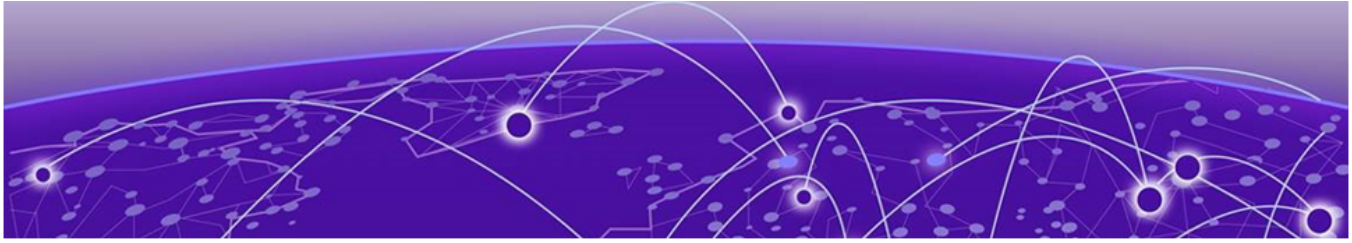


Document History

Version	Summary of changes	Publication date
Rev AA	Initial version for SLX-OS 20.8.2a	November 2026

Preface

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

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, the product is referred to as *the switch*.

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
	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 *enter* and *type*	When you see the word *enter* 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 *type*.
Key names	Key names are written in boldface, for example **Ctrl** or **Esc**. If you must press two or more keys simultaneously, the key names are linked with a plus sign (+). Example: Press **Ctrl**+**Alt**+**Del**
Words in italicized type	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.
NEW!	New information. In a PDF, this is searchable text.

Table 3: Command syntax

Convention	Description
bold text	Bold text indicates command names, keywords, and command options.
italic text	Italic text indicates variable content.
`[ ]`	Syntax components displayed within square brackets are optional. Default responses to system prompts are enclosed in square brackets.
`{ x | y | z }`	A choice of required parameters is enclosed in curly brackets separated by vertical bars. You must select one of the options.
`x | y`	A vertical bar separates mutually exclusive elements.
`< >`	Nonprinting characters, such as passwords, are enclosed in angle brackets.
...	Repeat the previous element, for example, *member*`[`*member*`...]`.
\	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 Agent ONE™ Coworker "Talk to Support"

For customers with Extreme Platform ONE™ ExtremeWorks / ExtremeWorks Premier subscriptions, technical support cases can be created using Extreme Agent ONE™ Coworker. This option requires that a user has an existing Extreme Networks Support Portal account login (using the same email address as used to log into Extreme Platform ONE™

Networking.) For more information about Extreme Agent ONE™ Coworker "Talk to Support", see the Extreme Agent ONE™ Coworker documentation.

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.

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

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.

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.

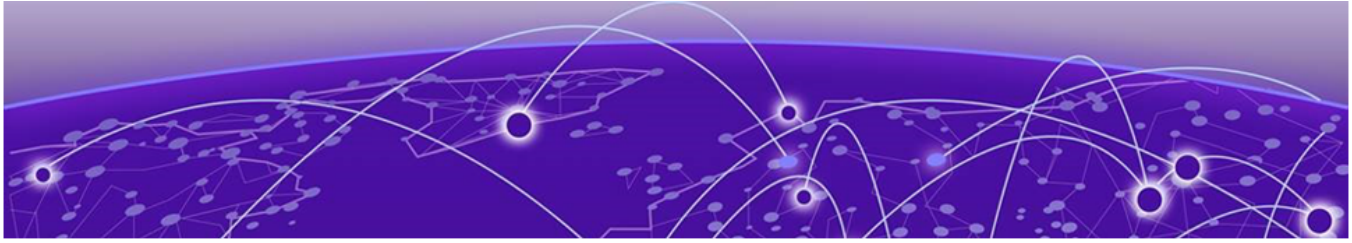
Related Publications

SLX-OS Publications

The following is the list of publications supporting the SLX-OS 20.8.2 release.

These documents can be found at https://supportdocs.extremenetworks.com/support/documentation/slx-os-20-8-2/

- Extreme SLX-OS BMC User Guide
- Extreme SLX-OS Command Reference
- Extreme SLX-OS IP Multicast Configuration Guide
- Extreme SLX-OS Layer 2 Switching Configuration Guide
- Extreme SLX-OS Layer 3 Routing Configuration Guide
- Extreme SLX-OS Management Configuration Guide
- Extreme SLX-OS Message Reference,
- Extreme SLX-OS MIB Reference
- Extreme SLX-OS Monitoring Configuration Guide
- Extreme SLX-OS MPLS Configuration Guide
- Extreme SLX-OS NETCONF Operations Guide
- Extreme SLX-OS QoS and Traffic Management Configuration Guide
- Extreme SLX-OS REST API Guide
- Extreme SLX-OS RESTCONF Guide
- Extreme SLX-OS Scale and Standards Matrix,
- Extreme SLX-OS Security Configuration Guide
- Extreme SLX-OS Security Hardening Guide
- Extreme SLX-OS Software Licensing Guide
- Extreme SLX-OS Software Upgrade Guide
- Extreme SLX-OS Troubleshooting Guide
- Extreme SLX-OS YANG Reference Guide



Release Overview

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Release Overview

Release Overview for 20.8.2a

Release SLX-OS 20.8.2a provides the following features

- CPU Microcode is updated to this version

Version	Image Name	Date Published
Ox3e	microcode-2024031	12-03-2024

This version of microcode is for the following devices:

- SLX 9740
- Extreme 8520
- Extreme 8720
- Extreme 8820

This version of microcode is not for the following devices:

- SLX 9540
- SLX 9640

Release Overview for 20.8.2

Release SLX-OS 20.8.2 provides the following features:

- Support traffic redirection to a firewall device via ACL rules on SLX-OS (both IPv4 and IPv6 cases)
- Support to run SW BFD sessions on the underlay IP Fabric
- VXLAN Tunnel Creation based on EVPN IMR route
- MCT Resiliency Improvement – PS Failure case UX enhancement

- ECMP FEC resource optimization for faster convergence in higher scale conditions.
- Removed TPVM-related Exec-level commands.

Note
Platforms SLX 9150 and SLX 9250 are deprecated as on July 31, 2026.

Behaviour Changes

Behavior Changes for 20.8.2a

There are no behaviour changes in SLX-OS 20.8.2a.

Behavior Changes for 20.8.2

The following are the behavioral changes for SLX-OS 20.8.2:

- VXLANs will be created only on receipt of EVPN Type-3 (IMR) or Type-5 (IP Prefix) routes. Tunnels will not be created for any other route types (Type-2 and Type-4).
- All TPVM Exec mode commands are deprecated from this release.
- Reboot is not required during PSU fault recovery from *Maintenance Mode*.

Software Features

Software Features

No new software features are added in 20.8.2a.

Software Features

The following key software features are added in the SLX-OS 20.8.2 release:

Feature Name	Supported in Platforms	Description
Traffic redirection to a firewall device via ACL rules	Extreme 8520 and Extreme 8720	Traffic can be redirected on a Border leaf switch to a Firewall device via ACL rules. This covers both IPv4 and IPv6 cases. **Note:** Support is only for Physical ports.
Support to run SW BFD sessions on the underlay IP Fabric	Extreme 8520, Extreme 8720, Extreme 8820, and SLX 9740	BFD sessions will run in the SW, contrary to HW-based sessions, on the IP Fabric underlay. This will help towards faster convergence of the control plane during freeze conditions.

Feature Name	Supported in Platforms	Description
VxLAN tunnel creation based on EVPN IMR routes	All Devices	A resource utilization improvement, ensuring VXLAN tunnel creation is strictly triggered by the reception of a Type-3 (IMR) or Type-5 (IP Prefix) route, ensuring that the remote VTEP is actively part of the VXLAN domain. Overall, avoids redundant tunnel setup, and aligns the tunnel life cycle with EVPN control-plane signalling.
MCT Resiliency Improvement – PS Failure case UX enhancement	Extreme 8820-80C and SLX 9740-80C	UX enhancement for the MCT Resiliency trigger due to Power-supply failure. • Eliminates the requirement to reboot SLX-OS during PSU fault recovery. • Ensures frontend ports are restored to an operational state when maintenance mode is accidentally disabled, avoiding an IP fabric outage.
ECMP FEC resource optimization	All Devices	Resource Optimization of ECMP FEC to support faster convergence in higher deployment scale.
Deprecation of TPVM-related exec-privilege commands.	All Devices	Removed TPVM-related Exec-level commands.

Common Vulnerabilities and Exposures (CVEs)

Common Vulnerabilities and Exposures (CVEs) addressed in 20.8.2a

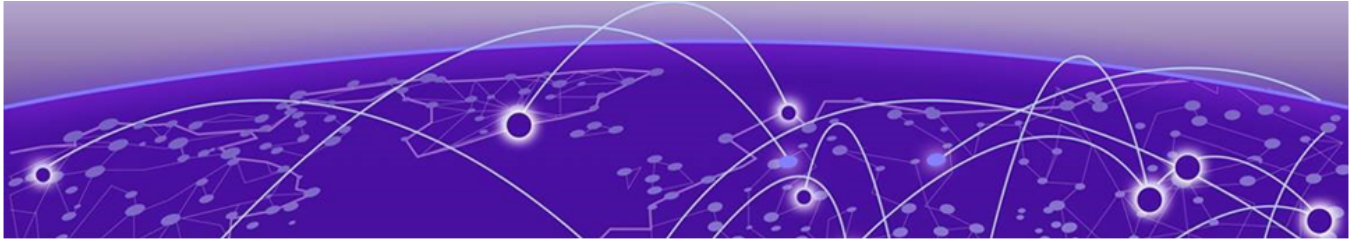
The following CVE is addressed in 20.8.2a:

CVE	Module
CVE-2026-98432	Linux kernel

Common Vulnerabilities and Exposures (CVEs) addressed in 20.8.2

The following CVEs are addressed in 20.8.2:

CVE	Module
CVE-2026-31789	openssl
CVE-2026-34182	openssl
CVE-2026-39821	go



CLI Commands

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CLI Commands on page 13

CLI Commands

New commands added in 20.8.2a

- No commands were added in SLX-OS 20.8.2a.

Commands Modified in 20.8.2a

- No commands were modified in SLX-OS 20.8.2a.

Commands Deprecated in 20.8.2a

- No commands were deprecated in SLX-OS 20.8.2a.

CLI Commands

New commands added in 20.8.2

The following command was added in SLX-OS 20.8.2:

- `prefix-independent-convergence-optimize`

Commands Modified in 20.8.2

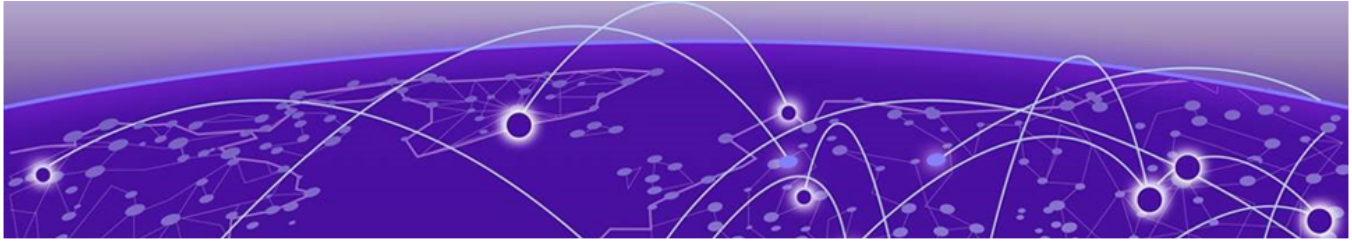
The following commands were modified in SLX-OS 20.8.2:

- `bfd-software-session`
- `ip policy route-map`
- `ipv6 policy route-map`
- `show bfd neighbor details`
- `show ip route`

Commands Deprecated in 20.8.2

The following commands were deprecated in SLX-OS 20.8.2:

- `tpvm autoboot`
- `tpvm config dns`
- `tpvm config hostname`
- `tpvm config ldap`
- `tpvm config ldap ca-cert`
- `tpvm config ntp`
- `tpvm config timezone`
- `tpvm config trusted-peer`
- `tpvm deploy`
- `tpvm disk`



Hardware Support

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Supported Power Supplies, Fans, and Rack Mounts on page 18
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Supported Devices and Software Licenses

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
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.

Supported Hardware	Description
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
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

Supported Hardware	Description
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
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

Supported Hardware	Description
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
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

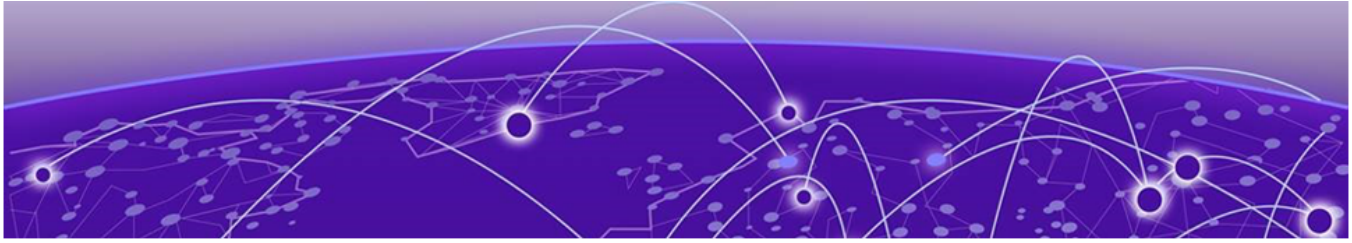
Supported Power Supplies, Fans, and Rack Mounts

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 SLX 9740-40C. Extreme 8820 FAN Front to Back airflow for Extreme 8820-40C.
XN-FAN-003-R	SLX 9740 FAN Back to Front airflow for SLX 9740-40C. Extreme 8820 FAN Back to Front airflow for Extreme 8820-40C.

Supported Device	Description
XN-FAN-004-F	SLX 9740 FAN Front to Back airflow for SLX 9740-80C. Extreme 8820 FAN Front to Back airflow for Extreme 8820-80C.
XN-FAN-004-R	SLX 9740 FAN Back to Front airflow for SLX 9740-80C Extreme 8820 FAN Back to Front airflow for Extreme 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 Extreme 8720, Extreme 8520
XN-ACPWR-750W-R	AC 750W PSU, Back to Front Airflow supported on Extreme 8720, Extreme 8520
XN-DCPWR-750W-F	DC 750W PSU, Front to Back Airflow supported on Extreme 8720, Extreme 8520
XN-DCPWR-750W-R	DC 750W PSU, Back to Front Airflow supported on Extreme 8720, Extreme 8520
XN-FAN-001-F	Front to back Fan for use in Extreme 8720, Extreme 8520
XN-FAN-001-R	Back to Front Fan for use in Extreme 8720, Extreme 8520
XN-4P-RKMT298	Four post rack mount rail kit supported on Extreme 8720, Extreme 8520
XN-2P-RKMT¬299	Two post rack mount rail kit supported on 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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Extreme 8720 on page 21
SLX 9740 and Extreme 8820 on page 21
SLX 9540 and SLX 9640 on page 22

Extreme 8520

FEC mode support for Extreme 8520

Port Type	Media Type	Default FEC Mode	Supported FEC Modes
100G	Passive DAC	RS-FEC	• RS-FEC • Disabled
100G	SR4	RS-FEC	• RS-FEC • Disabled
100G	LR4/PSM4	Disabled	• RS-FEC • Disabled
25G (Native)	DAC	Auto-Neg	• RS-FEC • FC-FEC • Auto-Neg • Disabled
25G (Native)	SFP	FC-FEC	• RS-FEC • FC-FEC • Disabled
25G (Native)	LR	RS-FEC	• RS-FEC • FC-FEC • Disabled

Extreme 8720

FEC mode support for Extreme 8720

Port Type	Media Type	Default FEC Mode	Supported FEC Modes
100G	Passive DAC	RS-FEC	• RS-FEC • Disabled
100G	SR4	RS-FEC	• RS-FEC • Disabled
100G	LR4/PSM4	Disabled	• RS-FEC • Disabled
25G	Breakout DAC SR	Auto-Neg	• RS-FEC • FC-FEC • Auto-Neg • Disabled
25G	Breakout SR4	FC-FEC	• RS-FEC • FC-FEC • Disabled
25G	Breakout LR	RS-FEC	• RS-FEC • FC-FEC • Disabled

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	• RS-FEC • Disabled
100G	SR4	RS-FEC	• RS-FEC • Disabled
100G	LR4/PSM4	Disabled	• RS-FEC • Disabled
25G	Breakout DAC SR	FC-FEC	• RS-FEC • FC-FEC • Disabled

Port Type	Media Type	Default FEC Mode	Supported FEC Modes
25G	Breakout SR4	FC-FEC	• RS-FEC • FC-FEC • Disabled
25G	Breakout LR	RS-FEC	• RS-FEC • FC-FEC • Disabled

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	• RS-FEC • Disabled
100G	SR4	RS-FEC	• RS-FEC • Disabled
100G	LR4/PSM4	Disabled	• RS-FEC • Disabled
25G	Breakout LR	RS-FEC	• RS-FEC • FC-FEC • Disabled

Software Download and Upgrade

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Software Upgrade / Downgrade Matrix on page 24
Threshold Monitoring Configurations - When Upgrading / Downgrading SLX-OS on page 27
SLX-OS Support for TPVM on page 27

Image Files

For more information about the various methods of upgrading to SLX-OS 20.8.2a, see the *Extreme SLX-OS Software Upgrade Guide*.

Image Files

Download the following from www.extremenetworks.com website.

Image File Name	Description
SLX-OS_20.8.2a.tar.gz	SLX-OS 20.8.2a software
SLX-OS_20.8.2a_mibs.tar.gz	SLX-OS 20.8.2a MIBS
SLX-OS_20.8.2a.md5	SLX-OS 20.8.2a md5 checksum
SLX-OS_20.8.2a-digests.tar.gz	SLX-OS 20.8.2a sha checksum
SLX-OS_20.8.2a-releasenotes.pdf	Release Notes

Baseboard Management Controller (BMC) Firmware Upgrade

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.

Note

For an important limitation while downgrading from SLX-OS 20.8.1 to a lower release, see Firmware downgrade on devices with dotted hostname on page 29.

Extreme 8820

Upgrade downgrade matrix for Extreme 8820:

To--> From	20.4.3	20.6.3a/b	20.7.1/a	20.7.2	20.7.3/a-g	20.8.1/a	20.8.2	20.8.2a
20.4.3 (Factory Image)	For upgrade: Normal firmware download / coldboot.							
20.6.3a/b								
20.7.1/a								
20.7.2								
20.7.3/a-g								
20.8.1/a								

To--> From	20.4.3	20.6.3a/ b	20.7.1/a	20.7.2	20.7.3/ a-g	20.8.1/a	20.8.2	20.8.2a
20.8.2								
20.8.2a								

Extreme 8720

Upgrade downgrade matrix for Extreme 8720:

To--> From	20.4.3	20.6.3a/ b	20.7.1/a	20.7.2	20.7.3/ a-g	20.8.1/a	20.8.2	20.8.2a
20.4.3 (Factory Image)	For upgrade: Normal firmware download / coldboot.							
20.6.3a/ b								
20.7.1/a								
20.7.2								
20.7.3/ a-g								
20.8.1/a								
20.8.2								
20.8.2a								

Extreme 8520

Upgrade downgrade matrix for Extreme 8520:

To--> From	20.4.3	20.6.3a/ b	20.7.1/a	20.7.2	20.7.3/ a-g	20.8.1/a	20.8.2	20.8.2a
20.4.3 (Factory Image)	For upgrade: Normal firmware download / coldboot.							
20.6.3a/ b								
20.7.1/a								
20.7.2								
20.7.3/ a-g								
20.8.1/a								
20.8.2								
20.8.2a								

SLX 9740

Upgrade downgrade matrix for SLX 9740:

To--> From	20.4.3	20.6.3a/ b	20.7.1/a	20.7.2	20.7.3/ a-g	20.8.1/a	20.8.2	20.8.2a
20.4.3 (Factory Image)	For upgrade: Normal firmware download / coldboot.							
20.6.3a/ b								
20.7.1/a								
20.7.2								
20.7.3/ a-g								
20.8.1/a								
20.8.2								
20.8.2a								

SLX 9540 and SLX 9640

Upgrade downgrade matrix for SLX 9540 and SLX 9640

To--> From	20.4.3	20.6.3a/ b	20.7.1/a	20.7.2	20.7.3/ a-g	20.8.1/a	20.8.2	20.8.2a
20.4.3 (Factory Image)	For upgrade: Normal firmware download / coldboot.							
20.6.3a/ b								
20.7.1/a								
20.7.2								
20.7.3/ a-g								
20.8.1/a								
20.8.2								
20.8.2a								

Threshold Monitoring Configurations - When Upgrading / Downgrading SLX-OS

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

SLX-OS 20.8.2a supports TPVM 4.7.23 and later on all platforms.

TPVM 4.7.23 includes security updates till November 11, 2026.

Post TPVM Installation

The TPVM Debian installation file will be deleted post successful deployment or upgrade of TPVM. This automatically frees up space on the device.

Upgrade TPVM without Configuration Persistence (Legacy upgrade)

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

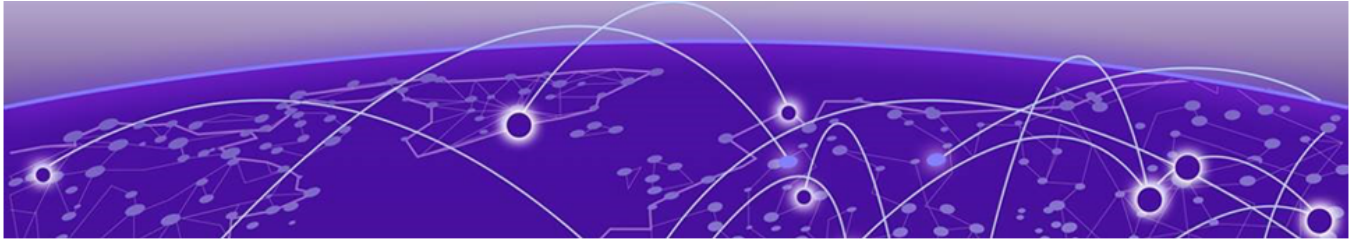
Upgrading TPVM from 4.6.x or 4.7.x

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 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 4.7.23, has security updates till November 11, 2026.
- For updates within the same series of TPVM releases, for example, between a version of 4.7.x and another version of 4.7.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.

Firmware downgrade on devices with dotted hostname

On devices configured with the dotted hostname format, for example, *host.domain*, firmware downgrade attempts to releases below SLX-OS 20.8.1 will fail.

Extreme recommends that you change the *hostname* to a value without the *period (.)*, perform the downgrade, and then restore the *hostname* to the dotted format.

Copy Flash to Startup Config and Reload with TPVM

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.	• If 0/3 or 0/4 is 40G, you cannot configure 0/1 as 4x25G breakout. • If 0/1 is 4x10G breakout, you cannot configure 0/3 as 4x25G breakout. • If 0/3 is 4x10G breakout, you cannot configure 0/1 as 4x25G breakout. • 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. • 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.
If 4x25G breakout is configured, no 40G or 4x10G.	• If 0/1 is configured as 4x25G breakout, you cannot configure 0/3 or 0/4 as 40G. • If 0/1 is configured as 4x25G breakout, you cannot configure 0/3 as 4x10G breakout. • If 0/3 is configured as 4x25G breakout, you cannot configure 0/1 or 0/2 as 40G. • If 0/3 is configured as 4x25G breakout, you cannot configure 0/1 as 4x10G breakout.

Quality of Service

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

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 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.

Maximum Logical Interfaces or LIFs Scale

Maximum Logical Interface (LIF) (Port-VLAN/Port-Bridge Domain (BD)) associations supported on 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

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 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

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

This is applicable to Extreme 8520, and Extreme 8720 platforms.

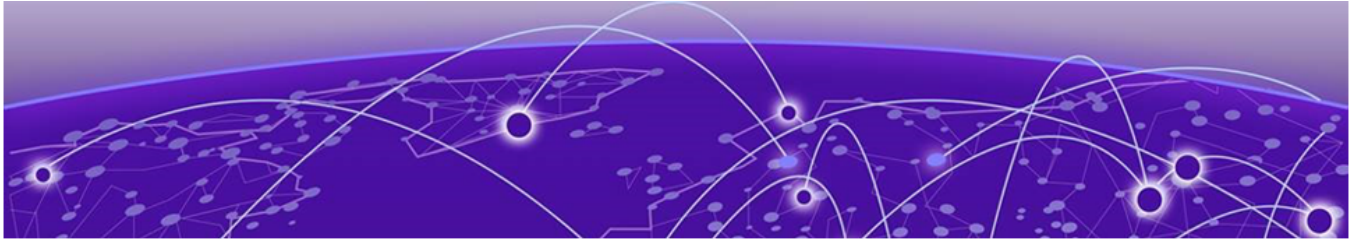
Transit MPLSoGRE and *dual-tag BD LIF* are mutually exclusive on the same interface (Ethernet or Port-channel) - both features cannot co-exist on the same interface.

- 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

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 Without Code Changes on page 39

Open Defects

Open defects in SLX-OS 20.8.2a
Open defects in SLX-OS 20.8.2

Open defects in SLX-OS 20.8.2a

No defects are open in SLX-OS 20.8.2a as of November 2026.

Open defects in SLX-OS 20.8.2

The following defects are open in SLX-OS 20.8.2 as of August 2026:

Parent Defect ID:	SLXOS-79922	Issue ID:	SLXOS-79922
Product:	SLX-OS	Reported in Release:	20.7.3f
Symptom:	Stale NHID entries remain in the hardware nexthop table after removing a VNI, potentially exhausting nexthop resources in scaled EVPN MH deployments.		
Condition:	Occurs on an EVPN MH Route Reflector (with retain route-target all) when VNI is removed from evpn default before removing the overlay-gateway map. The incorrect deletion order leaves per-peer EVI bitmap entries and AD route counters unreset, keeping NHIDs alive.		
Workaround:	Remove overlay-gateway map before removing VNI from evpn default		

Parent Defect ID:	SLXOS-79918	Issue ID:	SLXOS-79918
Product:	SLX-OS	Reported in Release:	20.7.3a
Symptom:	SLX was not allowed to log-in via admin user and will end-up with "SLX-OS is not ready. Please login later" message.		

Condition:	Confd process was not running in the SLX device.
Recovery:	Restart the confd process or power cycle the SLX device. `root-shell: " /etc/rc.d/init.d/confd restart "`

Parent Defect ID:	SLXOS-79373	Issue ID:	SLXOS-79373
Product:	SLX-OS	Reported in Release:	20.7.2
Symptom:	The path(s) to the L3 VPN next-hops are not getting chosen based on the igp cost upon configuring the "next-hop-mpls follow-igp" command.		
Condition:	1. In L3-VPN network, the ingress PE router is configured such that in the BGP address-family ipv4 unicast, the neighbours are all de-activated. 2. However, the neighborship is established in the vpnv4 address-family and the BGP router learns the routes with next-hop as the egress-PE. 3. Now, configure the "next-hop-mpls follow-igp" command under the address-family ipv4 unicast.		

Parent Defect ID:	SLXOS-77901	Issue ID:	SLXOS-77901
Product:	SLX-OS	Reported in Release:	20.5.2a
Symptom:	Hardware BFD sessions are down in 8720 device during reload.		
Condition:	SLX device upgrade performed in MCT environment.		

Defects Closed With Code Changes

Defects closed with code changes in SLX-OS 20.8.2a
Defects closed with code changes in SLX-OS 20.8.2

Defects closed with code changes in SLX-OS 20.8.2a

The following defect is closed with code changes in SLX-OS 20.8.2a as of November 2026.

Parent Defect ID:	SLXOS-80442	Issue ID:	SLXOS-80442
Product:	SLX-OS	Reported in Release:	SLXOS 20.8.2
Symptom:	SNMPv3 traps may not be delivered to one or more configured managers.		
Condition:	An encrypted SNMPv3 authentication or privacy key contains an embedded zero byte (0x00), causing key truncation during processing.		
Workaround:	Temporarily use SNMPv2c instead of SNMPv3.		

Defects closed with code changes in SLX-OS 20.8.2

The following defects were closed with code changes in SLX-OS 20.8.2 as of August 2026:

Parent Defect ID:	SLXOS-79750	Issue ID:	SLXOS-79750
Product:	SLX-OS	Reported in Release:	20.7.3c
Symptom:	• Excessive consumption of hardware nexthop table entries. • Nexthop hardware resources could become exhausted in large-scale EVPN deployments.		
Condition:	• SLX configured as an EVPN Route Reflector (RR). • `retain route-target all` enabled under BGP EVPN configuration		

Parent Defect ID:	SLXOS-79601	Issue ID:	SLXOS-79601
Product:	SLX-OS	Reported in Release:	20.7.3
Symptom:	The BGP-1004 log message is displayed with INFO severity instead of WARNING.		
Condition:	This issue occurs whenever the BGP-1004 event is generated.		

Parent Defect ID:	SLXOS-80061	Issue ID:	SLXOS-80061
Product:	SLX-OS	Reported in Release:	20.7.2a
Symptom:	The BFD session expires when the port-channel interface flaps, even though an alternate path is available to forward BFD traffic.		
Condition:	When flow-based mirroring is configured on the CCEP port-channel interface, a port-channel flap causes the BFD session to flap. This occurs even though BFD packets are expected to temporarily traverse the Inter-Chassis Link (ICL) until the port-channel interface transitions back to the UP state. This issue is applicable to the following platforms: • SLX 9150 • SLX 9250 • Extreme 8520 • Extreme 8720		

Parent Defect ID:	SLXOS-79916	Issue ID:	SLXOS-79916
Product:	SLX-OS	Reported in Release:	20.7.3c
Symptom:	TACACS server entries displayed by `show running-config tacacs-server` may appear in a different order than they were configured.		
Condition:	Occurs when multiple TACACS servers are configured or reconfigured.		

Parent Defect ID:	SLXOS-79891	Issue ID:	SLXOS-79891
Product:	SLX-OS	Reported in Release:	20.7.3f

Symptom:	ribm process memory (RSS and PSS) increases slowly
Condition:	This issue can occur during frequent adjacency add and delete events.

Parent Defect ID:	SLXOS-79692	Issue ID:	SLXOS-79692
Product:	SLX-OS	Reported in Release:	20.7.3c
Symptom:	On the SLX device, transit traffic is not forwarded correctly after a device reboot.		
Condition:	This issue occurs when Policy-Based Routing (PBR) is configured with a next-hop action and the device is reloaded. The issue is applicable to the SLX 9720 and Extreme 8820 platforms.		

Parent Defect ID:	SLXOS-79381	Issue ID:	SLXOS-79381
Product:	SLX-OS	Reported in Release:	20.7.3
Symptom:	Observed traffic failures due to NHID leaks.		
Condition:	Removing the old ESI interfaces and adding new ESI interfaces under port-channel continuosly.		

Parent Defect ID:	SLXOS-79536	Issue ID:	SLXOS-79536
Product:	SLX-OS	Reported in Release:	20.7.3a
Symptom:	Not Extreme Branded RAS log will be displayed in SLX device.		
Condition:	When we inserted the optic with partnumber FTLC9551REPM-EX in SLX device.		

Parent Defect ID:	SLXOS-78369	Issue ID:	SLXOS-78369
Product:	SLX-OS	Reported in Release:	Memory leak in BGP is observed.
Symptom:	Memory leak in BGP is observed.		
Condition:	When an SNMP walk is performed to retrieve BGP-related resources.		

Parent Defect ID:	SLXOS-79010	Issue ID:	SLXOS-79010
Product:	SLX-OS	Reported in Release:	20.6.3ac
Symptom:	MCT Cluster Keepalive session remain down		
Condition:	When `peer-keepalive auto` configuration is removed, and then added back following a reload.		
Recovery:	Remove `peer-keepalive auto` configuration and readd the same at both MCT nodes		

Parent Defect ID:	SLXOS-79374	Issue ID:	SLXOS-79374
Product:	SLX-OS	Reported in Release:	20.7.3a

Symptom:	Layer 2 traffic loss (~2 seconds) during CCEP port-channel bring-up as part of leaf admin-state up or Maintenance Mode disable on SLX 8720/8520
Condition:	During leaf admin-state up or Maintenance Mode disable, the CCEP port-channel redirect entry is installed before the AC-ICL VXLAN tunnel is fully programmed in hardware, resulting in traffic being black-holed instead of being redirected to the ICL.
Workaround:	None
Recovery:	Automatic; traffic resumes once the CCEP port-channel fully comes up. No manual intervention is required.

Parent Defect ID:	SLXOS-79726	Issue ID:	SLXOS-79726
Product:	SLX-OS	Reported in Release:	20.8.1
Symptom:	For a flow-based ACL configured in both directions, the egress ACL is not programmed on SLX9150/9250/8720/8520 switches.		
Condition:	Configure flow-based ACL for both direction		

Parent Defect ID:	SLXOS-78788	Issue ID:	SLXOS-78788
Product:	SLX-OS	Reported in Release:	20.7.2
Symptom:	Device freezes while changing BGP group config		
Condition:	1. BGP-EVPN router is working as SPINE node and has address-family evpn configuration which has peer-group configuration and acting as a route-reflector server. 2. The router is scaled setup with lot of EVPN routes learned 3. Now, configure either of the below 2 commands • `[no] neighbor evpn-signaling route-reflector-client` • `neighbor evpn-signaling route-reflector-client`		

Parent Defect ID:	SLXOS-79364	Issue ID:	SLXOS-79364
Product:	SLX-OS	Reported in Release:	20.7.3
Symptom:	BGP Sessions Dropping During Support Save Collection.		
Condition:	When operator collecting support save, the issue can happen.		

Parent Defect ID:	SLXOS-79857	Issue ID:	SLXOS-79857
Product:	SLX-OS	Reported in Release:	20.7.2ab

Symptom:	AAA replay/boot synchronization may fail when OAUTH2 authentication mode is configured without LDAP. As a result, the AAA synchronization flow aborts, and subsequent synchronization (such as ACL synchronization) is skipped.
Condition:	Occurs during replay/boot synchronization when OAUTH2-only or OAUTH2 with local fallback authentication mode is configured, and no LDAP configuration is present.

Parent Defect ID:	SLXOS-79828	Issue ID:	SLXOS-79828
Product:	SLX-OS	Reported in Release:	20.7.2ac
Symptom:	BGP process restarts upon issuing the show command, **`show ip bgp routes community-reg-expression <string>`** where string length is more than 36 or more bytes long.		
Condition:	• Have BGP Neighborship established with a peer. • It learns some routes with community attribute. • Issue the **`show`** command with string length 36 or more bytes long, **`show ip bgp routes community-reg-expression <string>`**		

Parent Defect ID:	SLXOS-78633	Issue ID:	SLXOS-78633
Product:	SLX-OS	Reported in Release:	20.7.2
Symptom:	A VXLAN tunnel is established to the remote leaf despite no shared VNI. The tunnel shows Oper/Admin state up in both directions with no VLAN mapped (**`show vlan brief empty`**), serving no forwarding purpose and consuming the platform's limited tunnel scale.		
Condition:	Two interconnected EVPN fabrics where a leaf receives Type-4 Ethernet Segment (ES) routes from a remote leaf with which it shares no common VNI or Inclusive Multicast (Type-3/IMR) route.		

Defects Closed Without Code Changes

Defects closed without code changes in SLX-OS 20.8.2a
Defects closed without code changes in SLX-OS 20.8.2

Defects closed without code changes in 20.8.2

No defects were closed without code changes in 20.8.2a as of November 2026.

Defects closed without code changes in 20.8.2

The following defects are closed without code changes in SLX-OS 20.8.2 as of August 2026:

Parent Defect ID:	SLXOS-78352	Issue ID:	SLXOS-78352
Product:	SLX-OS	Reported in Release:	20.6.3a

Symptom:	There is a small duration (~ 35 seconds) during which both LEAFs (L11_S1 & L11_S2) are acting like DF and forwarding the (VRRP multicast) traffic.
Condition:	1. An IP FABRIC topology with 2 SPINES and 4 LEAFS (L10_S1 & S2 and L11_S1 & S2) 2. A router is connected to each of these LEAF pairs as an host which is running VRRP 3. Reload one of the LEAFs which is the DF for some of the VLANs (say odd VLANs)