

Extreme SLX-OS 20.4.2c

Release Notes

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

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Document History

Version	Summary of changes	Publication date
1.0	Initial version for 20.4.2c	August 2023

Preface

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- 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)
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Release Overview

Release SLX-OS 20.4.2c provides the following features:

Critical defect fixes

Release SLX-OS 20.4.2b provides the following features:

Critical defect fixes

Release SLX-OS 20.4.2a provides the following features:

Critical defect fixes

Release SLX-OS 20.4.2 provides the following features:

- Maintenance Mode Optimizations for IP Fabric Upgrade
- Ability to control service bindings for SNMP listening services
- Ability to disable processing of packets utilizing IP Options
- Support for Password Handling for special characters on SLX-OS
- Increased the allowed anycast-address entries per interface from 64 to 512
- Additional IPv6 protocol support on TPVM
- Additional SNMP Notification Event support from SLX
- Prefix Independent Convergence (PIC) support for static routes
- IP Fabric QoS
- Enhanced Debug/RASLOG messages for FEC support status

Release SLX-OS 20.4.1c provides the following features:

Critical defect fixes

Release SLX-OS 20.4.1b provides the following features:

- Critical defect fixes
- TPVM security patches till May 09, 2022 are included in TPVM 4.5.1

Release SLX-OS 20.4.1a provides the following features:

Critical defect fixes

Release SLX-OS 20.4.1 provides the following features:

- SLX based TPVM upgrade optimization
- Additional SNMP notification event support
- SE Linux based IMA policy
- MAC (Mandatory Access Control) policy for user space binaries
- Ability to upgrade ONIE/GRUB
- Force port 1G speed/duplex via constrained advertised capabilities
- Processing ACL rule for Tunneled traffic
- BGP Dynamic Peering Scale Enhancement
- IPV6 configuration support in TPVM

- IPv6 Support for Peer-Address in a Route Map for BGP
- BGP dampening for peer flaps
- TPVM security patches till April 03, 2022 are included in TPVM 4.5.0

Behavior Changes

The following are the behavioral changes for SLX-OS 20.4.2c

No behavioral changes were introduced in this release.

The following are the behavioral changes for SLX-OS 20.4.2b

• No behavioral changes were introduced in this release.

The following are the behavioral changes for SLX-OS 20.4.2a

• No behavioral changes were introduced in this release.

The following are the behavioral changes for SLX-OS 20.4.2

- Default VRF bindings for SNMP listening services on SLX-OS are Management VRF and Default VRF.
- SNMP SET operation is completely unsupported.
- SNMP server view command does not take effect for the "write view" option
- SNMPv3 user delete operation requires SNMP agent to be stopped to take effect post reload.
- Boot up time for SNMP agent is delayed.
- The variable binding for 'InetAddress' type variables in Enterprise MIBs related traps BFD and MCT, is changed from 'IpAddress' to 'InetAddress'.

The following are the behavioral changes for SLX-OS 20.4.1c

• No behavioral changes were introduced in this release.

The following are the behavioral changes for SLX-OS 20.4.1b

- No behavioral changes were introduced in this release.
- TPVM security patches till May 09, 2022 are included in TPVM 4.5.1

The following are the behavioral changes for SLX-OS 20.4.1a

No behavioral changes were introduced in this release.

The following are the behavioral changes for SLX-OS 20.4.1

- CLI threshold-monitor is modified as follows:
 - o Default action is changed from RASlog to RASlog and SNMP Trap.
 - o threshold-monitor Memory has removed parameters limit and low-limit.
 - o Default values for threshold-monitor Cpu and threshold-monitor Memory are changed.
- SNMP trap for BFD module contains additional info and is implemented via Enterprise BFD MIB. BFD Enterprise MIB is the default option. This means, snmp-server trap needs to be specifically configured for BFD standard MIB via newly added CLI in this release.

- TPVM patch upgrade (incremental upgrade) that helps upgrading only the patches without stopping the running TPVM instance. Use the command tpvm upgrade incremental.
- TPVM IPv6 support
- Added security patches till April 03, 2022, in TPVM 4.5.0

Software Features

The following key software features are added in the SLX-OS 20.4.2c release

• No new feature is added in this release.

The following key software features are added in the SLX-OS 20.4.2b release

• No new feature is added in this release.

The following key software features are added in the SLX-OS 20.4.2a release

• No new feature is added in this release.

The following key software features are added in the SLX-OS 20.4.2 release

Feature Name	Supported SLX Platforms	Description
Maintenance Mode Optimizations for IP Fabric Upgrade	All	Maintenance mode, which plays a key role for seamless upgrade via EFA, has been optimized to reduce the waiting time from current 300 sec to a much smaller number, say 60 sec. Also, link utilization on spine uplinks is monitored and based on link utilization drop, SLX device comes out of the Maintenance Mode enable stage instead of waiting for user-configured wait time (default is 300 sec).
Ability to control service bindings for SNMP listening services	All	Allows user to enable SNMP services listening on a specific VRF, incl. default and Management VRFs. User can configure up to 32 VRFs.
Ability to disable processing of packets utilizing IP Options	Extreme 8520, Extreme 8720, SLX 9150, SLX 9250, SLX 9740	Allows to disable CPU processing of the IPv4 datagrams with IP header option fields.
Support for Password Handling for special characters on SLX-OS	All	Adds capability to support all special characters to configure a password on SLX-OS.

Feature Name	Supported SLX Platforms	Description
Increased the allowed anycast-address entries per interface from 64 to 512	All	Allows to configure anycast addresses per Virtual Ethernet (VE) interface scale up to 512. The overall system scale remains at 8000.
Additional IPv6 protocol support on TPVM	All	Extends IPv6 Manageability support on TPVM. Network services such as DNS and NTP can be configured with IPv6 address. Dynamic support for Default Gateway (DGW) is also added.
Additional SNMP Notification Event support from SLX	All	SNMP Notifications for events related to hardware tables such as MAC Table, LIF, VxLAN and BFD session tables have been added
PIC support for static routes	Extreme 8520, Extreme 8720, SLX 9150, SLX 9250 and SLX 9740	PIC (Prefix Independent Convergence) support for static routes feature is added In an IP Fabric deployment, enabling this feature on a Border Leaf device will help reduce the BFD convergence time b/w Border leaf and Border/Edge gateway
IP Fabric QoS	Extreme 8520, Extreme 8720, SLX 9150, SLX 9250 and SLX 9740	Default class maps support is added for L2 and L3 VxLAN gateways.
Enhanced Debug/RASLOG messages for FEC support status	All	Display RASlog message for the FEC support on various SLX platforms

The following key software features are added in the SLX-OS 20.4.1c release

• No new feature is added in this release.

The following key software features are added in the SLX-OS 20.4.1b release

• No new feature is added in this release.

The following key software features are added in the SLX-OS 20.4.1a release

• No new feature is added in this release.

The following key software features are added in the SLX-OS 20.4.1 release

Feature Name	Supported SLX Platforms	Description	
SLX based TPVM upgrade optimization	All	 tpvm upgrade incremental command is introduced. avoids reinstallation of TPVM and EFA during upgrade 2 Debian files for each installation type One for full installation One for upgrade installation 	
Additional SNMP Notification Event support	All	 New and enhanced SNMP notifications are added: BFD enterprise notifications with BFD session specific information Cluster up and down notifications for MCT cluster Maintenance mode traps for entry and exit transitions CPU and memory threshold monitoring traps. NTP status change trap Enhanced BGP IPv6 notifications - Established & BackwardTransition traps Enhanced Fan failure / recovery traps Enhanced Power Supply failure / recovery traps 	
SE Linux based IMA policy	All	Security Enhanced Linux is added as an additional layer of system security for access controls for the applications, processes, and files on the SLXOS system.	
MAC policy for user space binaries	All	Security Enhanced Linux (SE Linux) implements Mandatory Access Control (MAC). Every process and system resource is issued a special security label called an SE Linux context.	
Ability to upgrade ONIE/GRUB	SLX 9150, SLX 9250, Extreme 8720 and Extreme 8520	Provides the ability to install <i>onie, diag</i> and <i>onie-grub</i> images from SLXOS	
Force port 1G speed/duplex via constrained advertised capabilities	SLX 9150, Extreme 8520	Adds the support of 10G port in 1G forced mode in full duplex with clock parameter to auto negotiate based on peer capabilities	
Processing ACL rule for Tunneled traffic	SLX 9740	Supports ingress ACL on tunnels to match the inner headers for VxLAN, GRE and MPLS tunnels	
BGP Dynamic Peering Scale Enhancement	All	Increases the number of BGP peers for Dynamic BGP Peers	
IPV6 protocol support on TPVM	All	Introduces the initial support of IPv6 protocol for TPVM	

Feature Name	Supported SLX Platforms	Description
IPv6 Support for Peer- Address in a Route Map for BGP	All	Supports of set ipv6 next-hop peer-address in route-map for BGP
BGP dampening for peer flaps	All	Adds the BGP peer dampening capability for unusable BGP peers

CLI Commands

The following commands were added, modified, or deprecated for the 20.4.2c program

New commands for 20.4.2c

No commands were added in this release

Modified commands for 20.4.2c

No commands were modified in this release

Deprecated commands for 20.4.2c

No commands were deprecated in this release

The following commands were added, modified, or deprecated for the 20.4.2b program

New commands for 20.4.2b

No commands were added in this release

Modified commands for 20.4.2b

No commands were modified in this release

Deprecated commands for 20.4.2b

No commands were deprecated in this release

The following commands were added, modified, or deprecated for the 20.4.2a program

New commands for 20.4.2a

No commands were added in this release

Modified commands for 20.4.2a

No commands were modified in this release

Deprecated commands for 20.4.2a

No commands were deprecated in this release

The following commands were added, modified, or deprecated for the 20.4.2 program

New commands for 20.4.2

- convergence-time (maintenance mode)
- efa deploy
- enable-on-reboot (maintenance mode)
- maintenance-mode
- prefix-independent-convergence-static
- qos-dscp-mode
- rate-monitoring (maintenance mode)
- snmp-server use-vrf
- threshold-monitor bfd-session
- threshold-monitor lif
- threshold-monitor mac-table
- threshold-monitor vxlan-tunnel
- shutdown-time (maintenance mode)

Modified commands for 20.4.2

- dns (TPVM)
- enable (maintenance mode)
- ip option
- ntp (TPVM)
- system maintenance
- system maintenance turn-off
- trusted-peer (tpvm mode)
- tpvm download
- interface management (tpvm mode)
- snmp-server group
- snmp-server user
- show overlay-gateway
- show tunnel
- show system maintenance
- show system maintenance rate-monitoring

Deprecated commands for 20.4.2

qos-ttl-mode

The following commands were added, modified, or deprecated for the 20.4.1c program

New commands for 20.4.1c

No commands were added in this release.

Modified commands for 20.4.1c

No commands were modified in this release.

Deprecated commands for 20.4.1c

No commands were deprecated in this release.

The following commands were added, modified, or deprecated for the 20.4.1b program

New commands for 20.4.1b

No commands were added in this release.

Modified commands for 20.4.1b

No commands were modified in this release.

Deprecated commands for 20.4.1b

No commands were deprecated in this release.

The following commands were added, modified, or deprecated for the 20.4.1a program

New commands for 20.4.1a

No commands were added in this release.

Modified commands for 20.4.1a

No commands were modified in this release.

Deprecated commands for 20.4.1a

No commands were deprecated in this release.

The following commands were added, modified, or deprecated for the 20.4.1 program

New commands for 20.4.1

- neighbor peer-dampening
- neighbor peer-dampening (peer-group)
- peer-dampening
- show grubversion
- show [ip|ipv6] bgp peer-dampened
- show onieversion
- show selinux status
- snmp-server trap
- update onie

Modified commands for 20.4.1

• dns (tpvm mode)

- interface management (tpvm mode)
- ntp (tpvm mode)
- set ip next-hop
- set ipv6 next-hop
- speed
- threshold-monitor Cpu
- threshold-monitor Memory
- tpvm download
- tpvm upgrade (tpvm mode)
- vrf-lite-capability

The following show commands were enhanced to show additional information.

- show interface ethernet
- show interface status
- show ipv6 bgp routes

Deprecated commands for 20.4.1

No commands were deprecated in this release.

Hardware Support

Supported devices and software licenses

Supported devices	Description
	Extreme SLX 9740-40C Router. Base unit with 40x100GE/40GE capable
SLX9740-40C	QSFP28 ports, 2 unpopulated power supply slots, 6 unpopulated fan slots
	Extreme SLX 9740-40C-AC-F Router. Base unit with 40x100GE/40GE
SLX9740-40C-AC-F	capable QSFP28 ports, 2 AC power supplies, 6 fan modules
	Extreme SLX 9740-80C Router. Base unit with 80x100GE/40GE capable
SLX9740-80C	QSFP28 ports, 4 unpopulated power supply slots, 4 unpopulated fan slots
	Extreme SLX 9740-80C-AC-F Router. Base unit with 80x100GE/40GE
SLX9740-80C-AC-F	capable QSFP28 ports, 4AC power supplies, 4 fan modules
	Advanced Feature License for MPLS, BGP-EVPN and Integrated Application
SLX9740-ADV-LIC-P	Hosting for Extreme SLX 9740
	Extreme SLX 9150-48Y Switch with two empty power supply slots, six
SLX9150-48Y-8C	empty fan slots. Supports 48x25GE/10GE/1GE + 8x100GE/40GE.
	Extreme SLX 9150-48Y Switch AC with Front to Back Airflow. Supports
SLX9150-48Y-8C-AC-F	48x25GE/10GE/1GE + 8x100GE/40GE with dual power supplies, six fans.
	Extreme SLX 9150-48Y Switch AC with Back to Front Airflow. Supports
SLX9150-48Y-8C-AC-R	48x25GE/10GE/1GE + 8x100GE/40GE with dual power supplies, six fans.
	Extreme SLX 9150-48XT 10GBaseT Switch with two empty power supply
SLX9150-48XT-6C	slots, six empty fan slots, Supports 48x10GE/1GE + 6x100GE/40GE.
	Extreme SLX 9150-48XT 10GBaseT Switch AC with Front to Back Airflow,
	Supports 48x10GE/1GE + 6x100GE/40GE with dual power supplies, six
SLX9150-48XT-6C-AC-F	fans.
	Extreme SLX 9150-48XT 10GBaseT Switch AC with Back to Front Airflow,
	Supports 48x10GE/1GE + 6x100GE/40GE with dual power supplies, six
SLX9150-48XT-6C-AC-R	fans.
	SLX 9150 Advanced Feature License for GuestVM, Analytics Path, PTP, BGP-
SLX9150-ADV-LIC-P	EVPN.
	SLX 9250-32C Switch with two empty power supply slots, six empty fan
SLX9250-32C	slots. Supports 32x100/40GE.
	SLX 9250-32C Switch AC with Front to Back Airflow. Supports
SLX9250-32C-AC-F	32x100GE/40GE with dual power supplies, six fans.
	SLX 9250-32C Switch AC with Back to Front Airflow. Supports
SLX9250-32C-AC-R	32x100GE/40GE with dual power supplies, six fans.
	SLX 9250 Advanced Feature License for GuestVM, Analytics Path, BGP-
SLX9250-ADV-LIC-P	EVPN.
	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
BR-SLX-9540-48S-AC-R	power supplies and (4+1) redundant fans included.
	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
BR-SLX-9540-48S-AC-F	power supplies and (4+1) redundant fans included.
	SLX 9540-24S Switch DC with Back to Front airflow (Non-port Side to port
BR-SLX-9540-24S-DC-R	side airflow). Supports 24x10GE/1GE + 24x1GE ports.

Supported devices	Description	
	SLX 9540-24S Switch DC with Front to Back airflow (Port-side to non-port	
BR-SLX-9540-24S-DC-F	side airflow). Supports 24x10GE/1GE + 24x1GE ports.	
	SLX 9540-24S Switch AC with Back to Front airflow (Non-port Side to port	
BR-SLX-9540-24S-AC-R	side airflow). Supports 24x10GE/1GE + 24x1GE ports.	
DD CLV 0540 246 46 5	SLX 9540-24S Switch AC with Front to Back airflow (Port-side to non-port	
BR-SLX-9540-24S-AC-F	side airflow). Supports 24x10GE/1GE + 24x1GE ports. 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	
BR-SLX-9540-48S-DC-R	power supplies and (4+1) redundant fans included.	
	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	
BR-SLX-9540-48S-DC-F	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	
	Extreme SLX 9640-24S Router. Supports 24x10GE/1GE + 4x100GE/40GE.	
EN-SLX-9640-24S	(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-3LA-9040-243-12C	Extreme SLX 9640-24S Router AC with Front to Back airflow. Supports	
EN-SLX-9640-24S-AC-F	24x10GE/1GE + 4x100GE/40GE.(1 Power supply 6 Fans)	
EN-SLX-9640-24S-12C-	Extreme SLX 9640-24S Router AC with Front to Back airflow. Supports	
AC-F	24x10GE/1GE + 12x100GE/40GE.(1 Power supply 6 Fans)	
	Extreme SLX 9640 Ports on Demand License for 4 ports of 100GE/40GE	
EN-SLX-9640-4C-POD-P	Uplinks	
EN-SLX-9640-ADV-LIC-P	Extreme SLX 9640 Advanced Feature License	
	Extreme 8720-32C Switch with two empty power supply slots, six empty	
8720-32C	fan slots and a 4-post rack mount kit, Supports 32x100/40GE	
	Extreme 8720-32C Switch with front to back airflow, Supports 32x100/40G	
8720-32C-AC-F	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	
672U-32C-AC-K	Extreme 8720-32C Switch with front to back airflow, Supports 32x100/40G	
8720-32C-DC-F	with dual DC power supplies, six fans and a 4-post rack mount kit	
	Extreme 8720-32C Switch with back to front airflow, Supports 32x100/40G	
8720-32C-DC-R	with dual DC power supplies, six fans and a 4-post rack mount kit	
	Extreme 8000 Premier Feature License (includes Integrated Application	
8000-PRMR-LIC-P	Hosting)	
	Extreme 8520-48Y Switch with two empty power supply slots, six empty	
0F20 40V 0C	fan slots; Ships with one 4-post rack mount kit; Supports 48x25/10/1G and	
8520-48Y-8C	8x100/40G ports 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	
8520-48Y-8C-AC-F	8x100/40G ports	

Supported devices	Description
0500 404 00 40 0	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
8520-48Y-8C-AC-R	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)

Supported power supplies, fans, and rack mount kits

<u> </u>			
XN-ACPWR-1600W-F	SLX 9740 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.		
XN-DCPWR-1600W-F	SLX 9740 Fixed DC 1600W Power Supply Front to Back. Power cords not included.		
XN-ACPWR-1600W-F	SLX 9740 Fixed AC 1600W Power Supply Front to Back. Power cords not included.		
XN-FAN-003-F	SLX 9740 FAN Front to Back airflow for SLX9740-40C		
XN-FAN-003-R	SLX 9740 FAN Back to Front airflow for SLX9740-40C		
XN-FAN-004-F	SLX 9740 FAN Front to Back airflow for SLX9740-80C		
XN-FAN-004-R	SLX 9740 FAN Back to Front airflow for SLX9740-80C		
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, 9250, X695, Extreme 8720, Extreme 8520		
XN-ACPWR-750W-R	AC 750W PSU, Back to Front Airflow supported on VSP 7400, SLX 9150, SL 9250, X695, Extreme 8720, Extreme 8520		
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-RKMT299	Two post rack mount rail kit supported on VSP 7400, SLX 9150, SLX 9250, X695, Extreme 8720, Extreme 8520		

Supported Optics and Cables

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

Supported FEC modes

SLX 9250 and 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	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

SLX 9740

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	Disabled	RS-FEC Disabled
25G	Breakout DAC SR	FC-FEC	FC-FEC RS-FEC Disabled
25G	Breakout SR4	FC-FEC	FC-FEC RS-FEC Disabled

SLX 9150 and Extreme 8520

Port Type	Media Type	Default FEC Mode	Supported FEC Modes
100G	Passive DAC	RS-FEC	RS-FEC Disabled

Port Type	Media Type	Default FEC Mode	Supported FEC Modes
100G	SR4	RS-FEC	RS-FEC Disabled
100G	LR4	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

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	Disabled	RS-FEC Disabled

Software Download and Upgrade

For more information about the various methods of upgrading to SLX-OS 20.4.2c see the *Extreme SLX-OS Software Upgrade Guide*.

Image files

Download the following images from www.extremenetworks.com.

Image file name	Description
SLX-OS_20.4.2c.tar.gz	SLX-OS 20.4.2c software
SLX-OS_20.4.2c_mibs.tar.gz	SLX-OS 20.4.2c MIBS
SLX-OS_20.4.2c.md5	SLX-OS 20.4.2c md5 checksum
SLX-OS_20.4.2c-digests.tar.gz	SLX-OS 20.4.2c sha checksum
SLX-OS 20.4.2c-releasenotes.pdf	Release Notes

Notes:

Upgrade to 20.3.x from earlier releases requires "fullinstall" due to change in glibc for all platforms.

Extreme 8720

То	20.2.3x	20.3.2/a/b/c	20.3.3	20.3.4	20.3.4a/ac	20.4.1/a/b/c	20.4.2/a/b	20.4.2c
From		/d						
20.2.3 (MFG)	Use the	Use fullinstall						
	normal							
	Firmware							
	Download /							
	coldboot							
20.2.3ab	Use the	Use fullinstall						
	normal							
	Firmware							
	Download /							
	coldboot							
20.2.3x	NA	Use fullinstall						
20.3.2/a/b/c	Use fullinstall	Use the						
/d		normal						
		Firmware						
		Download /						
		coldboot. For						
		downgrade						
		use						
		fullinstall.						
20.3.3	Use fullinstall	Use the	NA	Use the				
		normal		normal	normal	normal	normal	normal
		Firmware		Firmware	Firmware	Firmware	Firmware	Firmware
		Download /		Download /				
		coldboot		coldboot	coldboot	coldboot	coldboot	coldboot

То	20.2.3x	20.3.2/a/b/c	20.3.3	20.3.4	20.3.4a/ac	20.4.1/a/b/c	20.4.2/a/b	20.4.2c
From		/d						
20.3.4	Use fullinstall	Use the normal Firmware Download / coldboot	Use the normal Firmware Download / coldboot	NA	Use the normal Firmware Download / coldboot	Use the normal Firmware Download / coldboot	Use the normal Firmware Download / coldboot	Use the normal Firmware Download / coldboot
20.3.4a/ac	Use fullinstall	Use the normal Firmware Download / coldboot						
20.4.1/a/b/c	Use fullinstall	Use the normal Firmware Download / coldboot	Use the normal Firmware Download / coldboot	Use the normal Firmware Download / coldboot				
20.4.2/a/b	Use fullinstall	Use the normal Firmware Download / coldboot	Use the normal Firmware Download / coldboot					
20.4.2c	Use fullinstall	Use the normal Firmware Download / coldboot	Use the normal Firmware Download / coldboot	Use the normal Firmware Download / coldboot	NA			

SLX 9740

To From	20.2.2x	20.2.3x	20.3.1	20.3.2/a /b	20.3.2c/ d	20.3.3	20.3.4	20.3.4a/ ac	20.4.1/a /b/c	20.4.2/a /b	20.4.2c
20.2.1a	Use the normal Firmwar e Downloa d / coldboot	Use the normal Firmwar e Downloa d / coldboot	Use fullinstall								
20.2.2x	Use the normal Firmwar e Downloa d / coldboot *	Use the normal Firmwar e Downloa d / coldboot	Use fullinstall								
20.2.3x	Use the normal Firmwar e Downloa d / coldboot	NA	Use fullinstall								

To From	20.2.2x	20.2.3x	20.3.1	20.3.2/a /b	20.3.2c/ d	20.3.3	20.3.4	20.3.4a/ ac	20.4.1/a /b/c	20.4.2/a /b	20.4.2c
20.3.1	Use fullinstall	Use fullinstall	NA	Use the normal Firmwar e Downloa d / coldboot	Use the normal Firmwar e Downloa d / coldboot . For downgra de use fullinstall	Use the normal Firmwar e Downloa d / coldboot . For downgra de use fullinstall	Use the normal Firmwar e Downloa d / coldboot . For downgra de use fullinstall	Use the normal Firmwar e Downloa d / coldboot . For downgra de use fullinstall	Use the normal Firmwar e Downloa d / coldboot . For downgra de use fullinstall	Use the normal Firmwar e Downloa d / coldboot . For downgra de use fullinstall	Use the normal Firmwar e Downloa d / coldboot . For downgra de use fullinstall
20.3.2/a /b	Use fullinstall	Use fullinstall	Use the normal Firmwar e Downloa d / coldboot	Use the normal Firmwar e Downloa d / coldboot	Use the normal Firmwar e Downloa d / coldboot . For downgra de use fullinstall .	Use the normal Firmwar e Downloa d / coldboot . For downgra de use fullinstall .	Use the normal Firmwar e Downloa d / coldboot . For downgra de use fullinstall .	Use the normal Firmwar e Downloa d / coldboot . For downgra de use fullinstall .	Use the normal Firmwar e Downloa d / coldboot . For downgra de use fullinstall .	Use the normal Firmwar e Downloa d / coldboot . For downgra de use fullinstall .	Use the normal Firmwar e Downloa d / coldboot . For downgra de use fullinstall .

To From	20.2.2x	20.2.3x	20.3.1	20.3.2/a /b	20.3.2c/ d	20.3.3	20.3.4	20.3.4a/ ac	20.4.1/a /b/c	20.4.2/a /b	20.4.2c
20.3.2c/ d	Use fullinstall	Use fullinstall	Use the normal Firmwar e Downloa d / coldboot	Use the normal Firmwar e Downloa d / coldboot	Use the normal Firmwar e Downloa d / coldboot	Use the normal Firmwar e Downloa d / coldboot . For downgra de use fullinstall .	Use the normal Firmwar e Downloa d / coldboot . For downgra de use fullinstall .	Use the normal Firmwar e Downloa d / coldboot . For downgra de use fullinstall .	Use the normal Firmwar e Downloa d / coldboot . For downgra de use fullinstall .	Use the normal Firmwar e Downloa d / coldboot . For downgra de use fullinstall .	Use the normal Firmwar e Downloa d / coldboot . For downgra de use fullinstall .
20.3.3	Use fullinstall	Use fullinstall	Use the normal Firmwar e Downloa d / coldboot	Use the normal Firmwar e Downloa d / coldboot	Use the normal Firmwar e Downloa d / coldboot	NA	Use the normal Firmwar e Downloa d / coldboot	Use the normal Firmwar e Downloa d / coldboot	Use the normal Firmwar e Downloa d / coldboot	Use the normal Firmwar e Downloa d / coldboot	Use the normal Firmwar e Downloa d / coldboot
20.3.4	Use fullinstall	Use fullinstall	Use the normal Firmwar e Downloa d / coldboot	Use the normal Firmwar e Downloa d / coldboot	Use the normal Firmwar e Downloa d / coldboot	Use the normal Firmwar e Downloa d / coldboot	NA	Use the normal Firmwar e Downloa d / coldboot	Use the normal Firmwar e Downloa d / coldboot	Use the normal Firmwar e Downloa d / coldboot	Use the normal Firmwar e Downloa d / coldboot

To From	20.2.2x	20.2.3x	20.3.1	20.3.2/a /b	20.3.2c/ d	20.3.3	20.3.4	20.3.4a/ ac	20.4.1/a /b/c	20.4.2/a /b	20.4.2c
20.3.4a/ ac	Use fullinstall	Use fullinstall	Use the normal Firmwar e Downloa d / coldboot	Use the normal Firmwar e Downloa d / coldboot	Use the normal Firmwar e Downloa d / coldboot	Use the normal Firmwar e Downloa d / coldboot	Use the normal Firmwar e Downloa d / coldboot	Use the normal Firmwar e Downloa d / coldboot	Use the normal Firmwar e Downloa d / coldboot	Use the normal Firmwar e Downloa d / coldboot	Use the normal Firmwar e Downloa d / coldboot
20.4.1/a /b/c	Use fullinstall	Use fullinstall	Use the normal Firmwar e Downloa d / coldboot	Use the normal Firmwar e Downloa d / coldboot	Use the normal Firmwar e Downloa d / coldboot	Use the normal Firmwar e Downloa d / coldboot	Use the normal Firmwar e Downloa d / coldboot	Use the normal Firmwar e Downloa d / coldboot	Use the normal Firmwar e Downloa d / coldboot	Use the normal Firmwar e Downloa d / coldboot	Use the normal Firmwar e Downloa d / coldboot
20.4.2/a /b	Use fullinstall	Use fullinstall	Use the normal Firmwar e Downloa d / coldboot	Use the normal Firmwar e Downloa d / coldboot	Use the normal Firmwar e Downloa d / coldboot	Use the normal Firmwar e Downloa d / coldboot	Use the normal Firmwar e Downloa d / coldboot	Use the normal Firmwar e Downloa d / coldboot .	Use the normal Firmwar e Downloa d / coldboot	Use the normal Firmwar e Downloa d / coldboot	Use the normal Firmwar e Downloa d / coldboot
20.4.2c	Use fullinstall	Use fullinstall	Use the normal Firmwar e Downloa d / coldboot	Use the normal Firmwar e Downloa d / coldboot	Use the normal Firmwar e Downloa d / coldboot	Use the normal Firmwar e Downloa d / coldboot	Use the normal Firmwar e Downloa d / coldboot	Use the normal Firmwar e Downloa d / coldboot	Use the normal Firmwar e Downloa d / coldboot	Use the normal Firmwar e Downloa d / coldboot	NA

*within the patches

Note:

For SLX-9740, downgrade to any 20.2.2x version needs to be done in two steps, with an intermediate step for downgrading to 20.2.2c and then to 20.2.x from 20.2.3x or higher.

This restriction is not applicable for upgrade/downgrade between 20.2.3x and 20.3.x releases.

SLX 9540 and SLX 9640

То	20.2.2a/b	20.2.3a	20.3.1	20.3.2/	20.3.2c	20.3.3	20.3.4	20.3.4a	20.4.1/	20.4.2/	20.4.2c
	/c	to		a/b	/d			/ac	a/b/c	a/b	
From		20.2.3h									
18r.2.00,	For SLX	For SLX	For SLX	For SLX	For SLX	For SLX	For SLX	For SLX	For SLX	For SLX	For SLX
18r.2.00a	9540 :	9540 :	9540 :	9540 :	9540 :	9540 :	9540 :	9540 :	9540 :	9540 :	9540 :
/b/c											
	1. First	1. First	1. First	1. First	1. First	1. First	1. First	1. First	1. First	1. First	1. First
	upgrade	upgrade	upgrad	upgrad	upgrade						
	to 20.1.2h	to 20.1.2h	e to	e to	to	to	to	to	to	to	to
	using	using	20.1.2h								
	fullinstall.	fullinstall.	using								
	2. Then	2. Then	fullinsta								
	upgrade	upgrade	II.								
	to	to	2. Then								
	20.2.2a/b	targeted	upgrad	upgrad	upgrade						
	/c using	20.2.3	e to	e to	to	to	to	to	to	to	to
	fullinstall.	version	20.3.1	targete	20.3.2d	20.3.3	20.3.4	20.3.4a	20.4.1/	20.4.2/	20.4.2c
		using	version	d	version	version	version	version	a/b/c	a/b	version
	For SLX	fullinstall.	using	20.3.2	using	using	using	using	version	version	using
	9640:		fullinsta	version	fullinsta	fullinsta	fullinsta	fullinsta	using	using	fullinsta
		For SLX	II.	using	II.	II.	II.	II.	fullinsta	fullinsta	II.
	1. First	9640:		fullinsta					II.	II.	
	upgrade		For SLX	II.	For SLX	For SLX	For SLX	For SLX			
	to	1. First	9640:		9640:	9640:	9640:	9640:	For SLX		For SLX
	18r.2.00d	upgrade		For SLX					9640:	For SLX	9640:
		to		9640:						9640:	

То	20.2.2a/b	20.2.3a	20.3.1	20.3.2/	20.3.2c	20.3.3	20.3.4	20.3.4a	20.4.1/	20.4.2/	20.4.2c
_	/c	to		a/b	/d			/ac	a/b/c	a/b	
From		20.2.3h	4 5' '		4 5' '	4 5' '		4 5' '	4 = .		4 5' '
	via	18r.2.00d	1. First	4 5	1. First	1. First	1. First	1. First	1. First	4 5	1. First
	fullinstall.	via	upgrad	1. First	upgrade	upgrade	upgrade	upgrade	upgrade	1. First	upgrade
	2. Then	fullinstall.	e to	upgrad	to	to	to	to	to	upgrade	to
	upgrade	2. Then	18r.2.0	e to	18r.2.0	18r.2.0	18r.2.0	18r.2.0	18r.2.0	to	18r.2.0
	to 20.1.2h	upgrade	0d via	18r.2.0	0d via	0d via	0d via	0d via	0d via	18r.2.0	0d via
	using	to 20.1.2h	fullinsta	0d via	fullinsta	fullinsta	fullinsta	fullinsta	fullinsta	0d via	fullinsta
	fullinstall.	using	II.	fullinsta	II.	II.	II.	II.	II.	fullinsta	II.
	3. Then	fullinstall.	2. Then	II.	2. Then	2. Then	2. Then	2. Then	2. Then	II.	2. Then
	upgrade	3. Then	upgrad	2. Then	upgrade	upgrade	upgrade	upgrade	upgrade	2. Then	upgrade
	to	upgrade	e to	upgrad	to	to	to	to	to	upgrade	to
	20.2.2a/b	to	20.1.2h	e to	20.1.2h	20.1.2h	20.1.2h	20.1.2h	20.1.2h	to	20.1.2h
	/c using	targeted	using	20.1.2h	using	using	using	using	using	20.1.2h	using
	fullinstall.	20.2.3	fullinsta	using	fullinsta 	fullinsta 	fullinsta	fullinsta 	fullinsta	using	fullinsta
		version	II.	fullinsta	II.	II.	II.	II.	II.	fullinsta 	II.
		using	3. Then	II.	3. Then	3. Then	3. Then	3. Then	3. Then	II.	3. Then
		fullinstall.	upgrad	3. Then	upgrade	upgrade	upgrade	upgrade	upgrade	3. Then	upgrade
			e to	upgrad	to	to	to	to	to	upgrade	to
			20.3.1	e to	20.3.2d	20.3.3	20.3.4	20.3.4a	20.4.1/	to	20.4.2c
			version	targete	version	version	version	version	a/b/c	20.4.2/	version
			using	d	using	using	using	using	version	a/b	using
			fullinsta	20.3.2	fullinsta	fullinsta	fullinsta	fullinsta	using	version	fullinsta
			II.	version	II.	II.	II.	II.	fullinsta	using	II.
				using					II.	fullinsta	
				fullinsta						II.	
				II.							
18r.2.00d	For SLX	For SLX	For SLX	For SLX	For SLX	For SLX	For SLX	For SLX	For SLX	For SLX	For SLX
	9540 :	9540 :	9540 :	9540 :	9540 :	9540 :	9540 :	9540 :	9540 :	9540 :	9540 :
	1. First	1. First	1. First	1. First	1. First	1. First	1. First	1. First	1. First	1. First	1. First
	upgrade	upgrade	upgrad	upgrad	upgrade	upgrade	upgrade	upgrade	upgrade	upgrade	upgrade
	to 20.1.2h	to 20.1.2h	e to	e to	to	to	to	to	to	to	to
			20.1.2h	20.1.2h	20.1.2h	20.1.2h	20.1.2h	20.1.2h	20.1.2h	20.1.2h	20.1.2h

То	20.2.2a/b	20.2.3a	20.3.1	20.3.2/	20.3.2c	20.3.3	20.3.4	20.3.4a	20.4.1/	20.4.2/	20.4.2c
	/c	to		a/b	/d			/ac	a/b/c	a/b	
From	, ,	20.2.3h		-7	, -			,	57.57.5	.,	
	using	using	using	using	using	using	using	using	using	using	using
	fullinstall.	fullinstall.	fullinsta								
	2. Then	2. Then	II.								
	upgrade	upgrade	2. Then								
	to	to	upgrad	upgrad	upgrade						
	20.2.2a/b	targeted	e to	e to	to	to	to	to	to	to	to
	/c using	20.2.3	20.3.1	targete	20.3.2d	20.3.3	20.3.4	20.3.4a	20.4.1/	20.4.2/	20.4.2c
	fullinstall.	version	version	d	version	version	version	version	a/b/c	a/b	version
		using	using	20.3.2	using	using	using	using	version	version	using
	For SLX	fullinstall.	fullinsta	version	fullinsta	fullinsta	fullinsta	fullinsta	using	using	fullinsta
	9640:		II.	using	II.	II.	II.	II.	fullinsta	fullinsta	II.
		For SLX		fullinsta					II.	II.	
	1. First	9640:	For SLX	II.	For SLX	For SLX	For SLX	For SLX			
	upgrade		9640:		9640:	9640:	9640:	9640:	For SLX		For SLX
	to 20.1.2h	1. First		For SLX					9640:	For SLX	9640:
	using	upgrade	1. First	9640:	1. First	1. First	1. First	1. First		9640:	
	fullinstall.	to 20.1.2h	upgrad		upgrade	upgrade	upgrade	upgrade	1. First		1. First
	2. Then	using	e to	1. First	to	to	to	to	upgrade	1. First	upgrade
	upgrade	fullinstall.	20.1.2h	upgrad	20.1.2h	20.1.2h	20.1.2h	20.1.2h	to	upgrade	to
	to	2. Then	using	e to	using	using	using	using	20.1.2h	to	20.1.2h
	20.2.2a/b	upgrade	fullinsta	20.1.2h	fullinsta	fullinsta	fullinsta	fullinsta	using	20.1.2h	using
	/c using	to	II.	using	II.	II.	II.	II.	fullinsta	using	fullinsta
	fullinstall.	targeted	2. Then	fullinsta	2. Then	2. Then	2. Then	2. Then	II.	fullinsta	II.
		20.2.3	upgrad	II.	upgrade	upgrade	upgrade	upgrade	2. Then	II.	2. Then
		version	e to	2. Then	to	to	to	to	upgrade	2. Then	upgrade
		using	20.3.1	upgrad	20.3.2d	20.3.3	20.3.4	20.3.4a	to	upgrade	to
		fullinstall.	version	e to	version	version	version	version	20.4.1/	to	20.4.2c
			using	targete	using	using	using	using	a/b/c	20.4.2/	version
			fullinsta	d	fullinsta	fullinsta	fullinsta	fullinsta	version	a/b	using
			II.	20.3.2	II.	II.	II.	II.	using	version	fullinsta
				version					fullinsta	using	II.
				using					II.		

To From	20.2.2a/b /c	20.2.3a to 20.2.3h	20.3.1	20.3.2/ a/b	20.3.2c /d	20.3.3	20.3.4	20.3.4a /ac	20.4.1/ a/b/c	20.4.2/ a/b	20.4.2c
				fullinsta II.						fullinsta II.	
20.1.1	For SLX 9540 :	For SLX 9540 :	For SLX 9540 :	For SLX 9540 :	For SLX 9540 :	For SLX 9540 :	For SLX 9540 :	For SLX 9540 :	For SLX 9540 :	For SLX 9540 :	For SLX 9540 :
	1. First upgrade to 20.1.2h using fullinstall. 2. Then upgrade to 20.2.2a/b /c using fullinstall. For SLX 9640:	1. First upgrade to 20.1.2h using fullinstall. 2. Then upgrade to targeted 20.2.3 version using fullinstall.	1. First upgrad e to 20.1.2h using fullinsta II. 2. Then upgrad e to 20.3.1 version using fullinsta	1. First upgrad e to 20.1.2h using fullinsta II. 2. Then upgrad e to targete d 20.3.2 version	1. First upgrade to 20.1.2h using fullinsta II. 2. Then upgrade to 20.3.2d version using fullinsta	1. First upgrade to 20.1.2h using fullinsta II. 2. Then upgrade to 20.3.3 version using fullinsta	1. First upgrade to 20.1.2h using fullinsta II. 2. Then upgrade to 20.3.4 version using fullinsta	1. First upgrade to 20.1.2h using fullinsta II. 2. Then upgrade to 20.3.4a version using fullinsta	1. First upgrade to 20.1.2h using fullinsta II. 2. Then upgrade to 20.4.1/a/b/c version using	1. First upgrade to 20.1.2h using fullinsta II. 2. Then upgrade to 20.4.2/ a/b version using	1. First upgrade to 20.1.2h using fullinsta II. 2. Then upgrade to 20.4.2c version using fullinsta
	Use fullinstall.	For SLX 9640: Use fullinstall.	II. For SLX 9640: Use fullinsta II.	using fullinsta II. For SLX 9640: Use fullinsta II.	II. For SLX 9640: Use fullinsta II.	II. For SLX 9640: Use fullinsta II.	II. For SLX 9640: Use fullinsta II.	II. For SLX 9640: Use fullinsta II.	fullinsta II. For SLX 9640: Use fullinsta II.	fullinsta II. For SLX 9640: Use fullinsta II.	II. For SLX 9640: Use fullinsta II.
20.1.2e, g	Use fullin stall	Use fullin stall	Use fullinsta II	Use fullinsta II	Use fullinsta II	Use fullinsta II	Use fullinst all	Use fullinsta II	Use fullinsta II	Use fullinsta II	Use fullinsta II

To From	20.2.2a/b /c	20.2.3a to 20.2.3h	20.3.1	20.3.2/ a/b	20.3.2c /d	20.3.3	20.3.4	20.3.4a /ac	20.4.1/ a/b/c	20.4.2/ a/b	20.4.2c
20.2.1a	Use the normal Firmware Download / coldboo t	Use the normal Firmware Download / coldboo t	Use fullinsta II	Use fullinst all	Use fullinsta II						
20.2.2x	NA	Use the normal Firmware Download / coldboo t	Use fullinsta II	Use fullinsta II	Use fullinst all	Use fullinsta II	Use fullinsta II	Use fullinsta II	Use fullinsta II	Use fullinsta II	Use fullinsta II
20.2.3x	Use the normal Firmware Download / coldboo t	NA	Use fullinsta II	Use fullinsta II	Use fullinsta II	Use fullinsta II	Use fullinsta II	Use fullinsta II	Use fullinsta II	Use fullinsta II	Use fullinsta II
20.3.1	Use fullin stall	Use fullin stall	NA	Use the normal Firmwa re Downlo ad / coldb oot	Use the normal Firmwar e Downlo ad / coldbo ot. For downgr ade use fullinsta II.	Use the normal Firmwar e Downlo ad / coldbo ot. For downgr ade use fullinsta II.	Use the normal Firmwar e Downlo ad / coldbo ot. For downgr ade use fullinsta II.	Use the normal Firmwar e Downlo ad / coldbo ot. For downgr ade use fullinsta II.	Use the normal Firmwar e Downlo ad / coldbo ot. For downgr ade use fullinsta II.	Use the normal Firmwar e Downlo ad / coldbo ot. For downgr ade use fullinsta II.	Use the normal Firmwar e Downlo ad / coldbo ot. For downgr ade use fullinsta II.
20.3.2/a/ b	Use fullin stall	Use fullin stall	Use the normal	Use the normal	Use the normal	Use the normal	Use the normal	Use the normal	Use the normal	Use the normal	Use the normal

То	20.2.2a/b /c	20.2.3a to 20.2.3h	20.3.1	20.3.2/ a/b	20.3.2c /d	20.3.3	20.3.4	20.3.4a /ac	20.4.1/ a/b/c	20.4.2/ a/b	20.4.2c
From		20.2.311	Firmouro	Firmwa	Firmwar	Firmwar	Firmwar	Firmwar	Firmwar	Firmwar	Firmular
			Firmwa		_	_					Firmwar
			re	re	e	e Davisla	e Davisla	e	e	e Downlo	e Downlo
			Downlo ad	Downlo ad	Downlo ad	Downlo	Downlo	Downlo	Downlo ad	Downlo ad	Downlo ad
						ad / acidba	ad	ad / acidba			
			/ coldb	/ coldb	/ coldbo	/ coldbo	/ coldbo	/ coldbo	/ coldbo	/ coldbo	/ coldbo
			oot	oot	ot. For	ot. For	ot. For	ot. For	ot. For	ot. For	ot. For
					downgr	downgr	downgr	downgr	downgr	downgr	downgr
					ade use	ade use	ade use	ade use	ade use	ade use	ade use
					fullinsta	fullinsta	fullinsta	fullinsta	fullinsta	fullinsta	fullinsta
22.2.2.4.1					II.	II.	II.	II.	II.	II.	II.
20.3.2c/d	Use fullin	Use fullin	Use the	Use the	Use the	Use the	Use the	Use the	Use the	Use the	Use the
	stall	stall	normal	normal	normal	normal	normal	normal	normal	normal	normal
			Firmwa	Firmwa	Firmwar	Firmwar	Firmwar	Firmwar	Firmwar	Firmwar	Firmwar
			re	re	e	e	e	e	e	e	e
			Downlo	Downlo	Downlo	Downlo	Downlo	Downlo	Downlo	Downlo	Downlo
			ad	ad	ad	ad	ad	ad	ad	ad	ad
			/ coldb	/ coldb	/ coldbo	/ coldbo	/ coldbo	/ coldbo	/ coldbo	/ coldbo	/ coldbo
			oot	oot	ot	ot. For	ot. For	ot. For	ot. For	ot. For	ot. For
						downgr	downgr	downgr	downgr	downgr	downgr
						ade use	ade use	ade use	ade use	ade use	ade use
						fullinsta	fullinsta	fullinsta	fullinsta	fullinsta	fullinsta
						II.	II.	II.	II.	II.	II.
20.3.3	Use fullin	Use fullin	Use the	Use the	Use the	NA	Use the	Use the	Use the	Use the	Use the
	stall	stall	normal	normal	normal		normal	normal	normal	normal	normal
			Firmwa	Firmwa	Firmwar		Firmwar	Firmwar	Firmwar	Firmwar	Firmwar
			re	re	е		е	е	е	е	е
			Downlo	Downlo	Downlo		Downlo	Downlo	Downlo	Downlo	Downlo
			ad	ad	ad		ad	ad	ad	ad	ad
			/ coldb	/ coldb	/ coldbo		/ coldbo	/ coldbo	/ coldbo	/ coldbo	/ coldbo
			oot	oot	ot		ot	ot	ot	ot	ot
20.3.4	Use	Use	Use the	Use the	Use the	Use the	NA	Use the	Use the	Use the	Use the
	fullinstall	fullinstall	normal	normal	normal	normal		normal	normal	normal	normal

To From	20.2.2a/b /c	20.2.3a to 20.2.3h	20.3.1	20.3.2/ a/b	20.3.2c /d	20.3.3	20.3.4	20.3.4a /ac	20.4.1/ a/b/c	20.4.2/ a/b	20.4.2c
			Firmwa	Firmwa	Firmwar	Firmwar		Firmwar	Firmwar	Firmwar	Firmwar
			re	re	е	е		е	е	е	е
			Downlo	Downlo	Downlo	Downlo		Downlo	Downlo	Downlo	Downlo
			ad	ad	ad	ad		ad	ad	ad	ad
			/ coldb	/ coldb	/ coldbo	/ coldbo		/ coldbo	/ coldbo	/ coldbo	/ coldbo
			oot	oot	ot	ot		ot	ot	ot	ot
20.3.4a/a	Use	Use fullin	Use the	Use the	Use the	Use the	Use the	Use the	Use the	Use the	Use the
С	fullinstall	stall	normal	normal	normal	normal	normal	normal	normal	normal	normal
			Firmwa	Firmwa	Firmwar	Firmwar	Firmwar	Firmwar	Firmwar	Firmwar	Firmwar
			re	re	е	e	e	e	е	е	е
			Downlo	Downlo	Downlo	Downlo	Downlo	Downlo	Downlo	Downlo	Downlo
			ad	ad	ad	ad	ad	ad	ad	ad	ad
			/ coldb	/ coldb	/ coldbo	/ coldbo	/ coldbo	/ coldbo	/ coldbo	/ coldbo	/ coldbo
			oot	oot	ot	ot	ot	ot	ot	ot	ot
20.4.1/a/	Use	Use fullin	Use the	Use the	Use the	Use the	Use the	Use the	Use the	Use the	Use the
b/c	fullinstall	stall	normal	normal	normal	normal	normal	normal	normal	normal	normal
			Firmwa	Firmwa	Firmwar	Firmwar	Firmwar	Firmwar	Firmwar	Firmwar	Firmwar
			re	re	e	е	e	е	e	е	е
			Downlo	Downlo	Downlo	Downlo	Downlo	Downlo	Downlo	Downlo	Downlo
			ad	ad	ad	ad	ad	ad	ad	ad	ad
			/ coldb	/ coldb	/ coldbo	/ coldbo	/ coldbo	/ coldbo	/ coldbo	/ coldbo	/ coldbo
			oot	oot	ot	ot	ot	ot	ot	ot	ot
20.4.2/a/	Use	Use	Use the	Use the	Use the	Use the	Use the	Use the	Use the	Use the	Use the
b	fullinstall	fullinstall	normal	normal	normal	normal	normal	normal	normal	normal	normal
			Firmwa	Firmwa	Firmwar	Firmwar	Firmwar	Firmwar	Firmwar	Firmwar	Firmwar
			re	re	е	е	e	е	е	е	е
			Downlo	Downlo	Downlo	Downlo	Downlo	Downlo	Downlo	Downlo	Downlo
			ad	ad	ad	ad	ad	ad	ad	ad	ad
			/ coldb	/ coldb	/ coldbo	/ coldbo	/ coldbo	/ coldbo	/ coldbo	/ coldbo	/ coldbo
			oot	oot	ot	ot	ot	ot	ot	ot	ot
20.4.2c	Use	Use	Use the	Use the	Use the	Use the	Use the	Use the	Use the	Use the	NA
	fullinstall	fullinstall	normal	normal	normal	normal	normal	normal	normal	normal	

To From	20.2.2a/b /c	20.2.3a to 20.2.3h	20.3.1	20.3.2/ a/b	20.3.2c /d	20.3.3	20.3.4	20.3.4a /ac	20.4.1/ a/b/c	20.4.2/ a/b	20.4.2c
			Firmwa	Firmwa	Firmwar	Firmwar	Firmwar	Firmwar	Firmwar	Firmwar	
			re	re	е	е	е	е	е	е	
			Downlo	Downlo	Downlo	Downlo	Downlo	Downlo	Downlo	Downlo	
			ad	ad	ad	ad	ad	ad	ad	ad	
			/ coldb	/ coldb	/ coldbo	/ coldbo	/ coldbo	/ coldbo	/ coldbo	/ coldbo	
			oot	oot	ot	ot	ot	ot	ot	ot	

Notes:

- When upgrading from the 18r.1.00x and 18r.2.00a and earlier patches, upgrade first to 18r.2.00bx and then to 20.2.2x, which is a two-step upgrade procedure.
- The MCT upgrade procedure from 18r.2.00bc to 20.2.x is detailed in the Extreme SLX-OS Software Upgrade Guide.
- Because SLX 9540 is a bare metal device, use the "fullinstall" option to migrate between the SLX-OS 20.2.2x and SLX-OS 20.1.x releases.
- Because SLX9540 is moved to the bare metal mode in 20.2.1, use 'fullinstall' when migrating between SLX-OS 20.2.2x and SLX-OS 2.1.x releases.
- Upgrade to 20.3.x from earlier releases requires "fullinstall" due to change in glibc.
- Downgrading from 20.3.x/20.2.2x/20.2.3x to 20.1.1 requires 'fullinstall' option for all platforms due to a change in glibc
- Downgrading from 20.3.x/20.2.2x/20.2.3x to 20.1.1 may not require a 2-step procedure.

SLX 9150 and SLX 9250

To From	20.2.2x	20.2.3x	20.3.1	20.3.2/a/ b	20.3.2c/ d	20.3.3	20.3.4	20.3.4a/ ac	20.4.1/a/ b/c	20.4.2/a/ b	20.4.2c
20.1.1	Use the normal fi rmware downloa d / coldboo t	Use the normal fi rmware downloa d / coldboo t	Use fullinstall								

To From	20.2.2x	20.2.3x	20.3.1	20.3.2/a/ b	20.3.2c/ d	20.3.3	20.3.4	20.3.4a/ ac	20.4.1/a/ b/c	20.4.2/a/ b	20.4.2c
20.1.2x	Use the normal firmware downloa d / coldboo t	Use the normal fi rmware downloa d / coldboo t	Use fullinstall								
20.2.1x	Use the normal firmware downloa d / coldboo t	Use the normal fi rmware downloa d / coldboo t	Use fullinstall								
20.2.2x	Use the normal firmware downloa d / coldboo t*	Use the normal fi rmware downloa d / coldboo t	Use fullinstall								
20.2.3x	Use the normal fi rmware downloa d / coldboo t	NA	Use fullinstall								

To From	20.2.2x	20.2.3x	20.3.1	20.3.2/a/ b	20.3.2c/ d	20.3.3	20.3.4	20.3.4a/ ac	20.4.1/a/ b/c	20.4.2/a/ b	20.4.2c
20.3.1	Use fullinstall	Use fullinstall	NA	Use the normal fi rmware downloa d / coldboo t	Use the normal fi rmware downloa d / coldboo t	Use the normal fi rmware downloa d / coldboo t	Use the normal fi rmware downloa d / coldboo t	Use the normal fi rmware downloa d / coldboo t	Use the normal fi rmware downloa d / coldboo t	Use the normal fi rmware downloa d / coldboo t	Use the normal fi rmware downloa d / coldboo t
20.3.2/a/ b	Use fullinstall	Use fullinstall	Use the normal fi rmware downloa d / coldboo t	Use the normal fi rmware downloa d / coldboo t	Use the normal fi rmware downloa d / coldboo t	Use the normal fi rmware downloa d / coldboo t	Use the normal fi rmware downloa d / coldboo t	Use the normal fi rmware downloa d / coldboo t	Use the normal fi rmware downloa d / coldboo t	Use the normal fi rmware downloa d / coldboo t	Use the normal fi rmware downloa d / coldboo t
20.3.2c/ d	Use fullinstall	Use fullinstall	Use the normal fi rmware downloa d / coldboo t	Use the normal fi rmware downloa d / coldboo t	Use the normal fi rmware downloa d / coldboo t	Use the normal fi rmware downloa d / coldboo t	Use the normal fi rmware downloa d / coldboo t	Use the normal fi rmware downloa d / coldboo t	Use the normal fi rmware downloa d / coldboo t	Use the normal fi rmware downloa d / coldboo t	Use the normal fi rmware downloa d / coldboo t
20.3.3	Use fullinstall	Use fullinstall	Use the normal fi rmware downloa d / coldboo t	Use the normal fi rmware downloa d / coldboo t	Use the normal fi rmware downloa d / coldboo t	NA	Use the normal fi rmware downloa d / coldboo t	Use the normal fi rmware downloa d / coldboo t	Use the normal fi rmware downloa d / coldboo t	Use the normal fi rmware downloa d / coldboo t	Use the normal fi rmware downloa d / coldboo t

To From	20.2.2x	20.2.3x	20.3.1	20.3.2/a/ b	20.3.2c/ d	20.3.3	20.3.4	20.3.4a/ ac	20.4.1/a/ b/c	20.4.2/a/ b	20.4.2c
20.3.4	Use fullinstall	Use fullinstall	Use the normal fi rmware downloa d / coldboo t	Use the normal fi rmware downloa d / coldboo t	Use the normal fi rmware downloa d / coldboo t	Use the normal fi rmware downloa d / coldboo t	NA	Use the normal fi rmware downloa d / coldboo t	Use the normal fi rmware downloa d / coldboo t	Use the normal fi rmware downloa d / coldboo t	Use the normal fi rmware downloa d / coldboo t
20.3.4a/ ac	Use fullinstall	Use fullinstall	Use the normal fi rmware downloa d / coldboo t	Use the normal fi rmware downloa d / coldboo t	Use the normal fi rmware downloa d / coldboo t	Use the normal fi rmware downloa d / coldboo t	Use the normal fi rmware downloa d / coldboo t	Use the normal fi rmware downloa d / coldboo t	Use the normal fi rmware downloa d / coldboo t	Use the normal fi rmware downloa d / coldboo t	Use the normal fi rmware downloa d / coldboo t
20.4.1/a/ b/c	Use fullinstall	Use fullinstall	Use the normal fi rmware downloa d / coldboo t	Use the normal fi rmware downloa d / coldboo t	Use the normal fi rmware downloa d / coldboo t	Use the normal fi rmware downloa d / coldboo t	Use the normal fi rmware downloa d / coldboo t	Use the normal fi rmware downloa d / coldboo t	Use the normal fi rmware downloa d / coldboo t	Use the normal fi rmware downloa d / coldboo t	Use the normal fi rmware downloa d / coldboo t
20.4.2/a/ b	Use fullinstall	Use fullinstall	Use the normal fi rmware downloa d / coldboo t	Use the normal fi rmware downloa d / coldboo t	Use the normal fi rmware downloa d / coldboo t	Use the normal fi rmware downloa d / coldboo t	Use the normal fi rmware downloa d / coldboo t	Use the normal fi rmware downloa d / coldboo t	Use the normal fi rmware downloa d / coldboo t	Use the normal fi rmware downloa d / coldboo t	Use the normal fi rmware downloa d / coldboo t

То	20.2.2x	20.2.3x	20.3.1	20.3.2/a/	20.3.2c/	20.3.3	20.3.4	20.3.4a/	20.4.1/a/	20.4.2/a/	20.4.2c
				b	d			ac	b/c	b	
From											
20.4.2c	Use	Use	Use the	NA							
	fullinstall	fullinstall	normal fi								
			rmware								
			downloa								
			d	d	d	d	d	d	d	d	
			/ coldboo								
			t	t	t	t	t	t	t	t	

^{*}within the patches

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То	20.3.3	20.3.4	20.3.4a/ac	20.4.1/a	20.4.1b	20.4.1c	20.4.2/a/b	20.4.2c
From								
20.3.3	NA	Use the						
		normal						
		Firmware						
		Download /	Download					
		coldboot	coldboot	coldboot	coldboot	coldboot	coldboot	/ coldboot
20.3.4	Use the	NA	Use the					
	normal		normal	normal	normal	normal	normal	normal
	Firmware		Firmware	Firmware	Firmware	Firmware	Firmware	Firmware
	Download /		Download /	Download				
	coldboot		coldboot	coldboot	coldboot	coldboot	coldboot	/ coldboot
20.3.4a/ac	Use the	Use the	NA	Use the				
	normal	normal		normal	normal	normal	normal	normal
	Firmware	Firmware		Firmware	Firmware	Firmware	Firmware	Firmware
	Download /	Download /		Download /	Download /	Download /	Download /	Download
	coldboot	coldboot		coldboot	coldboot	coldboot	coldboot	/ coldboot
20.4.1/a	Use the	Use the	Use the	NA	Use the	Use the	Use the	Use the
	normal	normal	normal		normal	normal	normal	normal
	Firmware	Firmware	Firmware		Firmware	Firmware	Firmware	Firmware
	Download /	Download /	Download /		Download /	Download /	Download /	Download
	coldboot	coldboot	coldboot		coldboot	coldboot	coldboot	/ coldboot
20.4.1b	Use the	Use the	Use the	Use the	NA	Use the	Use the	Use the
	normal	normal	normal	normal		normal	normal	normal
	Firmware	Firmware	Firmware	Firmware		Firmware	Firmware	Firmware
	Download /	Download /	Download /	Download /		Download /	Download /	Download
	coldboot	coldboot	coldboot	coldboot		coldboot	coldboot	/ coldboot
20.4.1c	Use the	NA	Use the	Use the				
	normal	normal	normal	normal	normal		normal	normal
	Firmware	Firmware	Firmware	Firmware	Firmware		Firmware	Firmware
	Download /		Download /	Download				
	coldboot	coldboot	coldboot	coldboot	coldboot		coldboot	/ coldboot

20.4.2/a/b	Use the	
	normal	
	Firmware	
	Download /	Download
	coldboot	/ coldboot
20.4.2c	Use the	NA
	normal	
	Firmware	
	Download /	
	coldboot	

Upgrade and Downgrade considerations for Threshold Monitor configuration:

Downgrade Considerations:

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

Upgrade Considerations:

1. 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, retry, to reset to respective default values.

SLX TPVM Support Matrix

SLX Build	SLX 9150	SLX 9250	Extreme 8520	Extreme 8720
20.4.2a	TPVM 4.1.1 and later	TPVM 4.1.1 and later	TPVM 4.4.0 and later	TPVM 4.2.2 and later
20.4.2b/c	TPVM 4.1.1 to TPVM	TPVM 4.1.1 to	TPVM 4.4.0 to TPVM	TPVM 4.2.2 to TPVM
	4.5.x	TPVM 4.5.x	4.5.x	4.5.x

Upgrading the TPVM without configuration persistence (Legacy upgrade method)

Upgrading TPVM from 4.0.x or 4.1.x to 4.2.x, 4.3.x, 4.4.x, 4.5.x

Consider the following when upgrading TPVM from 20.1.2x, 20.2.2/x to 20.2.3x, 20.3.1 to 20.3.2x, 20.3.4x, 20.4.x

- SLX-OS 20.3.x, 20.2.3/x has TPVM 4.2.x. SLX-OS 20.1.2x variants have TPVM 4.0.x, which is based on Ubuntu18.
- To upgrade from TPVM 4.0 to latest, do the following:
 - Upgrade to SLX-OS 20.3.x, 20.2.3/x, 20.4.x while the existing TPVM installation continues to run
 - Remove the existing TPVM using the tpvm stop and tpvm uninstall commands.
 - Copy the new *tpvm-4.x.x-0.amd64.deb* to */tftpboot/SWBD2900* on the SLX device.
 - o Install TPVM 4.x.x using the **tpvm install** or **tpvm deploy** command.
 - Note that any additional TPVM disks, including vdb (implicitly created by TPVM 4.0.x or 4.1.x), are preserved with data during the previous steps.
 - o If you need to remove the disks and start clean, then use the **tpvm uninstall force** command in place of **tpvm uninstall** in these steps. Alternatively, you can use **tpvm**

disk remove name <disk name> to remove each additional disk manually. For **example**, tpvm disk remove name vdb.

- To perform patch upgrade from TPVM 4.5.x to latest, do the following:
 - Upgrade to SLX-OS 20.4.x while the existing TPVM 4.5.x installation continues to run
 - Copy the new tpvm_inc_upg-4.5.X-X.amd64.deb to /tftpboot/SWBD2900 directory on the SLX device.
 - o Install latest TPVM 4.5.x using tpvm upgrade incremental command

Notes:

- TPVM 4.5.4 can be incrementally upgraded from TPVM 4.1.1 to TPVM 4.5.x.
- TPVM 4.5.4 supports full install upgrade/downgrade from TPVM 4.2.5.

Consider the following when you upgrade TPVM from releases earlier than SLX-OS 20.2.1 to SLX-OS 20.2.x:

- During startup, the latest TPVM creates an additional TPVM disk (named vdb) and creates an ext4 partition inside it (named vdb1).
- This additional disk partition is mounted at /apps inside TPVM.
- The disk uses all the free space available and reserved for TPVM (platform specific) TPVM disk quota.
- If you are running an older TPVM and have the additional TPVM disks already created, it is recommended and as a best practice to make a backup and then delete the old disks. Use the tpvm disk remove name <disk name> command to remove the disk, which requires TPVM to be started if not already running.
- Uninstall the older TPVM using the **tpvm stop** and **tpvm uninstall** command.
- Install the new TPVM package using the **tpvm install** or **tvpm deploy** command.

Alternatively, after SLX has been upgraded, you can use one command, **tpvm uninstall force**, to uninstall the TPVM and delete all the disks in the TPVM disk pool.

Important: The **tpvm uninstall force** process is destructive and irreversible, causing all TPVM data to be lost. The process works only if the TPVM is installed on the system.

Entire TPVM Data is automatically backed up in SLX while doing "tpvm stop" and restored during the next "tpvm start". However, only "/apps" partition and its data are preserved during "tpvm stop, uninstall" & "tpvm install". User installed applications in TPVM are not preserved. During TPVM upgrade, it is advised to take EFA data backup from TPVM using "efa system backup" and transfer the backup file outside TPVM to be completely safe. EFA release note document has a section for TPVM upgrade scenario and entire steps are mentioned in that document.

"When EFA is installed on TPVM, "tpvm stop" followed by "uninstall" automatically takes only EFA database backup and not a backup of EFA installation."

Notes:

Security updates are added to the TPVM image and also to the separate Debian file used for incremental TPVM update. Main TPVM image size is ~2.6 GB and the TPVM incremental update Debian file size is ~0.5 GB. These TPVM packages contain Ubuntu security patches available up to August 30, 2022 in

TPVM 4.5.4. You must have at least 1GB of free space on the switch before proceeding with the tpvm upgrade incremental command

VDB disk size for EFA has changed to 40 GB to accommodate storage for snapshot and the remaining space is considered as reserved space, for the new TPVM installation.

Upgrading the TPVM with configuration persistence – Recommended method

Consider the following when upgrading TPVM from 20.1.2x, 20.2.2/x, 20.3.x to 20.3.2x, 20.3.3, 20.3.4x, 20.4.x

- 1. SLX-OS old version with tpvm instance installed/deployed and few related config may be set.
- 2. SLX-OS upgrade done vide firmware download CLI command.
- 3. Across SLX-OS reboots, old TPVM too shall reboot if auto-boot config was there, else shall be there in installed state.
 - a. tpvm stop
 - **b.** tpvm uninstall
 - i. (or) tpvm uninstall force if you plan to delete disk vdb (i.e. the TPVM /apps partition).
 - ii. Note:
 - 1. New mode like old mode, create disk vdb (/apps) by default upon first install/deploy or reuse previously existing partition.
 - Currently the new mode does not support new disk creation. The tpvm disk add command can be used.
- 4. As simple example for new mode of deploying TPVM:
 - a. Copy new TPVM debian Image under /tftpboot/SWBD2900. Only one file should be there and no subfolder should be present/created within this folder.
 - b. Deploy TPVM in Config Mode:

```
SLX # config terminal
SLX (config) # tpvm TPVM
SLX (config-tpvm-TPVM) # deploy
SLX (config-tpvm-TPVM) # end
```

SLX # config terminal

 $\label{lem:above will install and start any TPVM image kept under $$ $$ /tftpboot/SWBD2900.$

c. Deploy TPVM with some configuration and later update any runtime configuration:

```
SLX (config)# tpvm TPVM

SLX (config-tpvm-TPVM) # password newpassword

SLX (config-tpvm-TPVM) # interface management ip 10.25.24.21/24

SLX (config-tpvm-TPVM) # auto-boot

SLX (config-tpvm-TPVM) # hostname newhostname

SLX (config-tpvm-TPVM) # timezone Europe/Stockholm

SLX (config-tpvm-TPVM) # deploy

SLX (config-tpvm-TPVM) # end

SLX # config terminal

SLX (config)# tpvm TPVM
```

```
SLX (config-tpvm-TPVM) # hostname oldhostname
SLX (config-tpvm-TPVM) # no timezone
SLX (config-tpvm-TPVM) # exit
```

5. Note:

- a. Now, say, if the **tpvm config hostname xyz** command is used. It will still work and apply on TPVM instance. But this configuration shall not be persisted in SLX Database and will become inconsistent. Same is true for any other configuration done in old way.
- b. As in above example, password, management configuration should always be set before deploy. If required later, refer User Guide and use tpvm stop, start for such update/maintenance reason.
- c. If **tpvm unstall force** command is used, then you will need to perform a **no deploy** and **deploy** in the new mode.

For more information on configuring TPVM Configuration Persistence, refer the 'Management Configuration Guide' for this version.

TPVM Migration

Upgrading the SLXOS to 20.3.2x, 20.3.3, 20.3.4x, 20.4.x results in the creation of TPVM entries in SLX running-config implicitly (This happens when upgrading TPVM from SLXOS 20.1.2x, SLXOS 20.2.2/x, SLXOS 20.3.x to SLXOS 20.3.2x, 20.3.3, 20.3.4x)

Consider the following when upgrading TPVM from SLXOS 20.1.2x, SLXOS 20.2.2/x, SLXOS 20.3.x to SLXOS 20.3.2x, 20.3.3, 20.3.4x, 20.4.x

- a. SLX-OS old version with tpvm instance installed/deployed and few related config may be set in legacy exec CLI method
- b. SLX-OS upgrade done with "firmware download" CLI command.
- c. Across SLX-OS reboot, TPVM entries are created in SLX running-config implicitly as part of the TPVM migration feature
- d. Check the configuration are persisted in TPVM using the CLI "show running configuration tpvm"
- e. For TPVM upgrade to the latest version use command "tpvm upgrade ... "
- f. For TPVM upgrade incremental to the latest patch use command " ${\tt tpvm}$ upgrade incremental ..."

Limitations and Restrictions

Copy flash to startup and reload with TPVM

setNTPServer and setLDAPServer statuses are reported as failed in the output of the show tpvm status-history. After reload, TPVM is expected to be running when the above configurations are reapplied. When the TPVM is not running and the NTP and LDAP configurations are applied, 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 command tpvm upgrade incremental ...

TPVM upgrade incremental command and file support is available only from 4.5 if we try to perform the incremental upgrade from 4.4.0 to latest, the upgrade fails and ask to perform the tpvm upgrade.

TPVM upgrade incremental command will not be supported when you try TPVM deploy in config mode and TPVM upgrade incremental command will not support with snapshot option.

Do not use the **tpvm upgrade incremental** command to upgrade the patches with *tpvm-4.X.X-X.amd64.deb*. Use the *tpvm_inc_upg-4.X.X-X.amd64.deb* image file to perform incremental upgrades.

Similarly, do not use the *tpvm_inc_upg-4.X.X-X.amd64.deb* image file to perform full upgrade. Do not use this file to perform **tpvm deploy** in *config mode* and *option*.

TPVM Migration

The following table lists the various TPVM configurations and their migration status.

Configuration	Migration State	Notes
tpvm auto-boot	Migrated	
tpvm disk	Not Migrated	Disk configuration is not supported in the configuration mode, and therefore, not migrated.
tpvm password	Migrated	Only the old password is migrated. This is due to the password being encrypted and stored and it is not possible to know if the password was changed during the migration.
tpvm config ntp	Migrated	
tpvm config dns	Migrated	
tpvm config Idap	Migrated	Secure LDAP require certificates. It is assumed that certificates are already downloaded and installed. Certificates are not validated during this migration. A notification will be sent to the user to reconfigure LDAP certificate settings.
tpvm config hostname	Migrated	
tpvm config timezone	Migrated	
tpvm deploy <interface> allow-pwless</interface>	Not Migrated	This is the new default configuration and is not migrated.
tpvm deploy mgmt [dhcp static]	Migrated	
tpvm deploy insight	Not Migrated	Insight interface configuration is not supported

Configuration	Migration State	Notes	
		when configuring using the	
		Privilege Execution	
		Mode commands.	
tpvm config Idap	Not Migrated	Configuring the TPVM LDAP ca	
ca-cert		certificate	
tpvm config	Not Migrated	All trusted-peer configurations are	
trusted-peer		not migrated.	

Additional information on TPVM Commands

Following list of TPVM commands under exec mode may not be supported in the future releases. The equivalent commands will continue to be available under config mode. Please refer to latest CLI documentation.

- tpvm config dns
- tpvm config hostname
- tpvm config ldap
- tpvm config ntp
- tpvm config timezone
- tpvm config trusted-peer
- tpvm auto-boot
- tpvm deploy
- tpvm password

Port macro restrictions on breakout port configuration on SLX 9740

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.

There are 9 PMs in the SLX 9740-40C and 18 PMs in the SLX 9740-80C. 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 and 144 interfaces for the SLX 9740-80C.

- 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	If 0/3 or 0/4 is 40G, you cannot configure 0/1 as
4x10G breakout, no 4x25G	4x25G breakout.
breakout is allowed unless the	• If 0/1 is 4x10G breakout, you cannot configure 0/3
40G ports will be removed as	as 4x25G breakout.
part of the breakout operation.	• If 0/3 is 4x10G breakout, you cannot configure 0/1
	as 4x25G breakout.

PM Configuration	Examples
	 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.

QoS

- PCP remarking is not supported for SLX 9740.
- Conformed and Violated counters are not supported for egress rate limiting for SLX 9740.
- Egress rate limiting in a Bridge Domain configuration is not supported for SLX 9740.
- DSCP-COS map is not work correctly for SLX 9740.

Others

- sflow sampling does not work for VLL when BUM rate limiting is applied on interface in SLX 9740
- 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 and Extreme 8520. Other platforms are not supported.
- Resilient Hashing supports 32K flowset entries for Extreme 8720 and Extreme 8520.

Open Config Telemetry Support

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

SNMP

- Traps related to RMON (Remote Network Monitoring), HA (High Availability), VACM (view-based Access Control Mode) are partially functional.
- 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 SLX 9150, SLX 9250, Extreme 8520, Extreme 8720 is 13183. 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 13183 when the combined scale of VLAN and BDs exceeds 8096.

IPv6 Manageability support on TPVM

- The TPVM management interface can be configured with a single IPv6 address. You can configure an IPv4 address in addition to the IPv6 address. Configuring IPv4 address is optional.
- tpvm stop and tpvm start commands must be issued to configure the TPVM management interface's IPv4 and IPv6 address.

Open Defects

The following software defects are open in SLX-OS 20.4.2c as of August 2023:

Parent Defect ID:	SLXOS-67385	Issue ID:	SLXOS-68878		
Severity:	S2 - Major				
Product:	SLX-OS	Reported in Release:	SLXOS 18r.1.00ch		
Technology Group:	MPLS	Technology:	MPLS VPLS - Virtual		
			Private LAN Services		
Symptom:	Pseudowires flaps				
Condition:	After a link-down event.				

Parent Defect ID:	SLXOS-68208	Issue ID:	SLXOS-69890		
Severity:	S3 - Moderate				
Product:	SLX-OS	Reported in Release:	SLXOS 20.3.2f		
Technology Group:	Monitoring	Technology:	OAM - Operations,		
			Admin &		
			Maintenance		
Symptom:	Failed to fetch the utili	zation-watermark stats o	on the "show interface		
	stats utilization-watermark interface ethernet <x x="">".</x>				
Condition:	In SLX 9540 device configured with "system interface utilization-				
	watermark".				

Parent Defect ID:	SLXOS-70203	Issue ID:	SLXOS-70740	
Severity:	S3 - Moderate	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLXOS 20.3.4b	
Technology Group:	Management	Technology:	SNMP - Simple	
			Network	
			Management	
			Protocol	
Symptom:	As per standards optional attributes can be added to SNMP			
	notifications at the end of the object list specified in the MIB. But			
	snmpTrapAddress OID is placed in the notification before the			
	notification's object lis	t		

Parent Defect ID:	SLXOS-71230	Issue ID:	SLXOS-71432
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLXOS 20.3.4a
Technology Group:	IP Multicast	Technology:	IPv4 Multicast
			Routing
Symptom:	Node reboot while processing a Multicast packet		
Condition:	Multicast daemon reset while processing an IPv6 Multicast packet		
	leading to a node rebo	ot	

Parent Defect ID:	SLXOS-71127	Issue ID:	SLXOS-71552
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLXOS 20.4.1c

Technology Group:	Management	Technology:	SNMP - Simple		
			Network		
			Management		
			Protocol		
Symptom:	SNMP MIB(1.3.6.1.4.1.1588.3.1.12.1.1.1.3.1.60) reporting very large				
	value/zero CPU utilization.				
Condition:	While doing the snmpwalk for this OID				
	(1.3.6.1.4.1.1588.3.1.12.1.1.1.3.1.60), it is displaying very large				
	value/sometime Zero (CPU utilization in SNMP r	value/sometime Zero CPU utilization in SNMP response randomly.		

Parent Defect ID:	SLXOS-71395	Issue ID:	SLXOS-71651
Severity:	S2 - Major		
Product:	SLX-OS	Reported in Release:	SLXOS 20.4.3
Technology Group:	Management	Technology:	SNMP - Simple
			Network
			Management
			Protocol
Symptom:	SNMP MIB(1.3.6.1.4.1.	1588.3.1.12.1.1.1.3.1.60	and
	1.3.6.1.4.1.1588.3.1.13.1.1.4.1) reporting very large value/zero CPU		
	and memory utilization randomly.		
Condition:	While doing the snmpwalk for OID		
	(1.3.6.1.4.1.1588.3.1.12.1.1.1.3.1.60 and		
	1.3.6.1.4.1.1588.3.1.13.1.1.4.1), it is displaying very large		
	value/sometime Zero CPU and memory utilization in SNMP response		
	randomly.		

Parent Defect ID:	SLXOS-71199	Issue ID:	SLXOS-71693	
Severity:	S2 - Major			
Product:	SLX-OS	Reported in Release:	SLXOS 20.4.3	
Technology Group:	Layer 3	Technology:	ARP - Address	
	Routing/Network		Resolution Protocol	
	Layer			
Symptom:	IPv6 traffic loss seen after a node reload or power cycle.			
Condition:	IPv6 Neighbor entries associated with wrong VE interface causing the			
	packets to be blackhole	packets to be blackholed.		

Parent Defect ID:	SLXOS-71581	Issue ID:	SLXOS-71872	
Severity:	S3 - Moderate			
Product:	SLX-OS	Reported in Release:	SLXOS 20.3.2h	
Technology Group:	Management	Technology:	SNMP - Simple	
			Network	
			Management	
			Protocol	
Symptom:	For SNMP requests made to loopback interface address, SNMP			
	response is sent with source IP address as outgoing interface address.			
Condition:	SNMP request made to	SNMP request made to loopback interface address.		

Parent Defect ID:	SLXOS-71412	Issue ID:	SLXOS-71898
Severity:	S2 - Major		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2b_CVR
Technology Group:	MPLS	Technology:	MPLS Traffic
			Engineering
Symptom:	Unexpected reload is seen due to MPLSD module reset.		
Condition:	MPLSD module reset due to the message queue becoming full on		
	MPLS.		

Parent Defect ID:	SLXOS-71968	Issue ID:	SLXOS-71976	
Severity:	S2 - Major			
Product:	SLX-OS	Reported in Release:	SLXOS 20.4.1c	
Technology Group:	Layer 3	Technology:	Other	
	Routing/Network			
	Layer			
Symptom:	Seen in 9150/9250/8720/8750, "Hardware resource allocation failed"			
	message in the console. This can be followed by some flows being			
	blackholed or routed over wrong interfaces.			
Condition:	Usually seen when BGP-EVPN is enabled and the switch has been up			
	for a long time, or has been through network churn.			
	There is a case where the nexthops in the hardware are leaked. After			
	the switch runs for a while, the nexthops can get exhausted and fresh			
	hardware programming may fail.			

Parent Defect ID:	SLXOS-72298	Issue ID:	SLXOS-73787
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLXOS 20.4.3
Technology Group:	Layer 2 Switching	Technology:	MCT - Multi-Chassis
			Trunking
Symptom:	IPv6 dynamic BGP failed to establish.		
Condition:	Flapping of MCT cluster's client interface.		

Parent Defect ID:	SLXOS-73600	Issue ID:	SLXOS-73887
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLXOS 20.5.1a
Technology Group:	Security	Technology:	PBR - Policy-Based
			Routing
Symptom:	Cannot delete a route-map stanza if the route-map is applied to BGP.		
	Error 'Route-map associated with a bgp neighbor' is seen.		
Condition:	Applying route-map on	BGP neighbors	

The following software defects are open in SLX-OS 20.4.2b as of December 2022:

Parent Defect ID:	SLXOS-68275	Issue ID:	SLXOS-68691
Severity:	S2 - Major		
Product:	SLX-OS	Reported in Release:	SLXOS 20.4.2
Technology Group:	Layer 3	Technology:	Other
	Routing/Network		
	Layer		
Symptom:	Increase in convergence time for 8K BFD scale		
Condition:	When interface is shutdown, or member port made DOWN with the		
	scaled configuration af	ter PIC is enabled.	

Parent Defect ID:	SLXOS-68282	Issue ID:	SLXOS-68736
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLXOS 20.4.1
Technology Group:	Layer 3	Technology:	BFD - BiDirectional
	Routing/Network		Forwarding
	Layer		Detection
Symptom:	BFD session flaps for 20 minutes		
Condition:	Link break between Sp	ine and Board-Leafe noc	les

Parent Defect ID:	SLXOS-68749	Issue ID:	SLXOS-68753
Severity:	S2 - Major		
Product:	SLX-OS	Reported in Release:	SLXOS 20.3.2b
Technology Group:	Layer 2 Switching	Technology:	VXLAN - Virtual
			Extensible LAN
Symptom:	VRF traffic loss is greater than 500msec upon spine node reboot.		
Condition:	Upon spine reboot, few BFD sessions from compute nodes to border-		
	leaf flap and traffic loss	greater than 500msec i	s observed.

Parent Defect ID:	SLXOS-67385	Issue ID:	SLXOS-68878
Severity:	S2 - Major		
Product:	SLX-OS	Reported in Release:	SLXOS 18r.1.00ch
Technology Group:	MPLS	Technology:	MPLS VPLS - Virtual
			Private LAN Services
Symptom:	Pseudowires flaps		
Condition:	After a link-down even	t.	

Parent Defect ID:	SLXOS-68530	Issue ID:	SLXOS-68891
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLXOS 20.4.1b
Technology Group:	Layer 3	Technology:	ARP - Address
	Routing/Network		Resolution Protocol
	Layer		

Symptom:	When user configures a VE with "0000.5e00.0101" MAC as static	
	anycast-gateway-mac on 9740 platforms, it does not learn ARP	
	entries for connected devices.	
Condition:	When user configures a VE with VRRP MAC as static anycast-gateway-	
	mac on 9740 platforms, it does not learn ARP entries for connected	
	devices.	
	Dedicated VRRP IPv4 mac addresses: 0000.5e00.01xx (xx – vrid)	
	Dedicated VRRP IPv6 mac addresses: 0000.5e00.02xx	
Workaround:	Any other MAC except the dedicated VRRP MACs are allowed to be	
	used as static anycast-gateway macs on 9740 platforms.	
Recovery:	No known recovery methods.	

Parent Defect ID:	SLXOS-66842	Issue ID:	SLXOS-68900
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLXOS 20.3.4a
Technology Group:	Security	Technology:	SSH - Secure Shell
Symptom:	Public key authenticati	on does not work somet	imes.
Condition:	Running "ssh" exec mode command.		
Recovery:			

Parent Defect ID:	SLXOS-67415	Issue ID:	SLXOS-68905
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLXOS 20.4.1
Technology Group:	Management	Technology:	SNMP - Simple
			Network
			Management
			Protocol
Symptom:	snmpwalk for OID .1.3.6.1.4.1.1916.1.51.1.8.1.3		
	(extremeBgp4V2PrefixInPrefixes) doesn't work		
Condition:	When snmpwalk execu	ted for OID .1.3.6.1.4.1.	1916.1.51.1.8.1.3

Parent Defect ID:	SLXOS-68731	Issue ID:	SLXOS-68910
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLXOS 18r.1.00m
Technology Group:	Security	Technology:	AAA - Authentication,
			Authorization, and
			Accounting
Symptom:	Disabling AAA accounting does not appear in accounting log.		
Condition:	Disabling AAA accounti	ing.	

Parent Defect ID:	SLXOS-66359	Issue ID:	SLXOS-68915
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLXOS 20.3.4ab

Technology Group:	Layer 3	Technology:	BFD - BiDirectional
	Routing/Network		Forwarding
	Layer		Detection
Symptom:	Bfd session does not come up.		
Condition:	Fabric re-configuration or ecfe-speaker pod restart		

Parent Defect ID:	SLXOS-68350	Issue ID:	SLXOS-69206
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLXOS 20.3.2f
Technology Group:	Management	Technology:	CLI - Command Line
			Interface
Symptom:	May experience reload on Dcmd module.		
Condition:	Make Script to run periodically to collect 'show running nomore'		
	output.		

Parent Defect ID:	SLXOS-68589	Issue ID:	SLXOS-69211
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLXOS 18r.1.00m
Technology Group:	Security	Technology:	RADIUS
Symptom:	CLI password string not masked on RADIUS accounting request and audit.log.		
Condition:		cation based CLI comma	nds.

Parent Defect ID:	SLXOS-69334	Issue ID:	SLXOS-69334
Severity:	S2 - Major		
Product:	SLX-OS	Reported in Release:	SLXOS 20.4.2
Technology Group:	Layer 3	Technology:	Multi-VRF
	Routing/Network		
	Layer		
Symptom:	Not able to ping the SLX Ve anycast ip from external System.		
Condition:	After firmware downlo	ad to 20.4.2a version.	

Parent Defect ID:	SLXOS-69102	Issue ID:	SLXOS-69365
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLXOS 20.3.2f
Technology Group:	Management	Technology:	SNMP - Simple
			Network
			Management
			Protocol
Symptom:	When trying to create a port configuration map using ifIndex as the		
	key value, It is not possible to make a port configuration map because		
	the key value(ifIndex) of	of the management port	is not supported.

Condition:	on SLX 9250 in 20.4.2a, issue is seen only after reloading, after
	reloading if SNMP walk is issued for IfIndex and later SNMP walk is
	issued for the IP Address table issue is not seen.

Parent Defect ID:	SLXOS-69413	Issue ID:	SLXOS-69413	
Severity:	S3 - Moderate			
Product:	SLX-OS	Reported in Release:	SLXOS 20.4.2	
Technology Group:	Management	Technology:	SNMP - Simple	
			Network	
			Management	
			Protocol	
Symptom:	Link up/down interfaces are not generated for insight interface.			
Condition:	When TPVM STOP / ST	When TPVM STOP / START is configured		

Parent Defect ID:	SLXOS-67973	Issue ID:	SLXOS-69820
Severity:	S2 - Major		
Product:	SLX-OS	Reported in Release:	SLXOS 20.3.2d
Technology Group:	Layer 3	Technology:	BFD - BiDirectional
	Routing/Network		Forwarding
	Layer		Detection
Symptom:	BFD session is not coming up		
Condition:	AMF POD reset		

Parent Defect ID:	SLXOS-67049	Issue ID:	SLXOS-69843
Severity:	S2 - Major		
Product:	SLX-OS	Reported in Release:	SLXOS 20.3.4a
Technology Group:	Monitoring	Technology:	Hardware Monitoring
Symptom:	Flow based mirroring stopped working		
Condition:	On SLX-9150/9250 Platform port channel is configured as destination		
	interface in monitor session in flow based mirroring.		
Recovery:	Rebind ACL on the Source interface configured in flow based monitor		
	session		

Parent Defect ID:	SLXOS-69858	Issue ID:	SLXOS-69858
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLXOS 20.4.2
Technology Group:	Management	Technology:	NTP - Network Time
			Protocol
Symptom:	Delayed NTP synchronization (>30 mins sometimes) after creating		
	NTP server.		
Condition:	Creation of NTP server on SLX.		

Parent Defect ID: SLXOS-69844 Issue ID: SLXOS-69865

Severity:	S3 - Moderate			
Product:	SLX-OS	Reported in Release:	SLXOS 20.3.2ae	
Technology Group:	Layer 3 Routing/Network Layer	Technology:	BGP4 - IPv4 Border Gateway Protocol	
Symptom:	BGP daemon reload is seen in rare condition.			
Condition:	When clearing a bgp sp	When clearing a bgp specific route.		

Parent Defect ID:	SLXOS-68208	Issue ID:	SLXOS-69890
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLXOS 20.3.2f
Technology Group:	Monitoring	Technology:	OAM - Operations,
			Admin &
			Maintenance
Symptom:	Failed to fetch the utilization-watermark stats on the "show interface		
	stats utilization-watermark interface ethernet <x x="">".</x>		
Condition:	In SLX 9540 device configured with "system interface utilization-		
	watermark".		

Parent Defect ID:	SLXOS-69448	Issue ID:	SLXOS-69955
Severity:	S2 - Major		
Product:	SLX-OS	Reported in Release:	SLXOS 20.4.1cb
Technology Group:	Layer 3	Technology:	BGP4 - IPv4 Border
	Routing/Network		Gateway Protocol
	Layer		
Symptom:	Unexpected reload on SLX device.		
Condition:	SLX is trying to process the unexpected flow spec rules sent from the		
	peer device.		

Parent Defect ID:	SLXOS-70231	Issue ID:	SLXOS-70231
Severity:	S2 - Major		
Product:	SLX-OS	Reported in Release:	SLXOS 20.4.2
Technology Group:	Layer 3	Technology:	VRRPv2 - Virtual
	Routing/Network		Router Redundancy
	Layer		Protocol Version 2
Symptom:	L3 traffic won't get resumed after power-cycle when VEs are		
	configured with static-anycast-gateway IP address (IPv4/IPv6).		
Condition:	When VE is configured with static-anycast-gateway (SAG), and both MCT nodes are power-cycled in one shot, it's been observed that the		
	SAG macs were not properly programmed in hardware, which leads		
	to L3 traffic drop.		
Recovery:	Unconfigure and configure VE.		
	If there are more VEs, and manual unconfigure/configure VEs not		
	possible, then MCT not	de reload should resolve	the situation.

Parent Defect ID:	SLXOS-67321	Issue ID:	SLXOS-70287
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLXOS 20.4.1
Technology Group:	Security	Technology:	SSH - Secure Shell
Symptom:	After deleting the SSH key from flash it come up again after reload.		
Condition:	After deleting the SSH	key from flash it come u	p again after reload.

Parent Defect ID:	SLXOS-70148	Issue ID:	SLXOS-70323
Severity:	S2 - Major		
Product:	SLX-OS	Reported in Release:	SLXOS 20.3.2fb
Technology Group:	Traffic Management	Technology:	Rate Limiting and
			Shaping
Symptom:	System reload while updating subnet CPU packet rate during		
	monitoring process.		
Condition:	In rare scenario during monitoring process of subnet CPU packet rate		
	in Extreme 8720/SLX 9	150/SLX 9250 platforms.	

The following software defects are open in SLX-OS 20.4.2a as of October 2022:

Parent Defect ID:	SLXOS-68053	Issue ID:	SLXOS-68686
Severity:	S2 - Major		
Product:	SLX-OS	Reported in Release:	SLXOS 20.4.2
Technology Group:	Management	Technology:	SNMP - Simple
			Network
			Management
			Protocol
Symptom:	Delay in delivering SNMP traps		
Condition:	With SNMPv3 informs	configuration	

Parent Defect ID:	SLXOS-68101	Issue ID:	SLXOS-68687	
Severity:	S2 - Major	S2 - Major		
Product:	SLX-OS	Reported in Release:	SLXOS 20.4.2	
Technology Group:	Layer 3 Routing/Network Layer	Technology:	Multi-VRF	
Symptom:	displayed incorrectly as displayed incorrectly as displayed incorrectly as displayed incorrectly as doi.org/10.2013/j.jub.com/ down.	During VRF delete, user notices brindge-domain VE number being displayed incorrectly as "Ve 0" in NSM raslogs as shown below: <date>, [NSM-1003], 109517, DCE, INFO, BL-1, interface Ve 0 is link down. <date>, [NSM-1001], 109518, DCE, INFO, BL-1, interface Ve 8150 is online.</date></date>		

Condition:	During VRF delete, when all bounded VE interfaces goes for reset.		
	During VE down, brindge-domain VE number will be displayed		
	incorrectly as "Ve 0" in NSM raslogs. This issue is not observed for		
	Vlan VEs.		

Parent Defect ID:	SLXOS-68166	Issue ID:	SLXOS-68688
Severity:	S2 - Major		
Product:	SLX-OS	Reported in Release:	SLXOS 20.4.2
Technology Group:	Management	Technology:	SNMP - Simple
			Network
			Management
			Protocol
Symptom:	After changing any SNN	MP configuration, snmpv	valk of Entity MIB, HA
	MIB and SW MIB may s	sometimes result in "No	Such Instance".
Condition:	After changing any SNMP configuration, snmpwalk of Entity MIB, HA		
	MIB and SW MIB may s	MIB and SW MIB may sometimes result in "No Such Instance".	
Recovery:	Restart SNMP agent. This can be achieved by shut/noshut of SNMP		
	service on any VRF.		
	SLX(config)# snmp-server use-vrf mgmt-vrf shut		
	SLX(config)# no snmp-s	server use-vrf mgmt-vrf	shut

Parent Defect ID:	SLXOS-68275	Issue ID:	SLXOS-68691
Severity:	S2 - Major		
Product:	SLX-OS	Reported in Release:	SLXOS 20.4.2
Technology Group:	Layer 3 Routing/Network Layer	Technology:	Other
Symptom:	Increase in convergence time for 8K BFD scale		
Condition:	When interface is shute scaled configuration af	down, or member port n ter PIC is enabled.	nade DOWN with the

Parent Defect ID:	SLXOS-68416	Issue ID:	SLXOS-68693
Severity:	S2 - Major		
Product:	SLX-OS	Reported in Release:	SLXOS 20.4.2
Technology Group:	Layer 3	Technology:	BGP4 - IPv4 Border
	Routing/Network		Gateway Protocol
	Layer		
Symptom:	Increase in NHID count for the 8K BFD scaled configuration		
Condition:	PIC is enabled/disabled	l and SLX device is reboo	ited

Parent Defect ID:	SLXOS-68429	Issue ID:	SLXOS-68694	
Severity:	S3 - Moderate	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLXOS 20.4.2	
Technology Group:	Layer 3	Technology:	BFD - BiDirectional	
	Routing/Network		Forwarding	
	Layer		Detection	
Symptom:	Console message maybe seen - [RTM-1033], 65963, DCE, ERROR, BL-			
	1, System Next-Hop limits exceeded. Current Profile Nexthop 2000.			
	Configured Next-Hops 1003			
Condition:	When Clear bfd neighb	ors command is issued.		

Parent Defect ID:	SLXOS-68450	Issue ID:	SLXOS-68695
Severity:	S2 - Major		
Product:	SLX-OS	Reported in Release:	SLXOS 20.4.2
Technology Group:	Layer 3	Technology:	Other
	Routing/Network		
	Layer		
Symptom:	Traffic takes more than 900 msec in the N-S direction when a port		
	channel between the Gateway and Border Leaf fails.		
Condition:	Minimum link is configured over this port channel and the trigger is		
	the shutdown of one ir	nterface belonging to the	e port channel.

Parent Defect ID:	SLXOS-68283	Issue ID:	SLXOS-68710
Severity:	S2 - Major		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.3j
Technology Group:	Management	Technology:	CLI - Command Line
			Interface
Symptom:	SLX reloaded Unexpectedly.		
Condition:	The 'Dcmd' process memory size keeps increasing every time when		
	we perform 'copy runn	ing-config to startup-cor	nfig'' on SLX device.

Parent Defect ID:	SLXOS-67618	Issue ID:	SLXOS-68725
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLXOS 20.3.2d
Technology Group:	Management	Technology:	SNMP - Simple
			Network
			Management
			Protocol
Symptom:	The OID to pull the serial number is different for the 8720 than other		
	SLX platforms.		
Condition:	If 8720 tries to fetch th	e serial num via entphys	icalentry.

Parent Defect ID:	SLXOS-68282	Issue ID:	SLXOS-68736
Severity:	S3 - Moderate		

Product:	SLX-OS	Reported in Release:	SLXOS 20.4.1
Technology Group:	Layer 3	Technology:	BFD - BiDirectional
	Routing/Network		Forwarding
	Layer		Detection
Symptom:	BFD session flaps for 20 minutes		
Condition:	Link break between spine and BL nodes		

Parent Defect ID:	SLXOS-68749	Issue ID:	SLXOS-68753
Severity:	S2 - Major		
Product:	SLX-OS	Reported in Release:	SLXOS 20.3.2b
Technology Group:	Layer 2 Switching	Technology:	VXLAN - Virtual
			Extensible LAN
Symptom:	VRF traffic loss is greater than 500msec upon spine node reboot.		
Condition:	Upon spine reboot, few BFD sessions from compute nodes to border-		
	leaf flap and traffic loss	greater than 500msec i	s observed.

Parent Defect ID:	SLXOS-67385	Issue ID:	SLXOS-68878
Severity:	S2 - Major		
Product:	SLX-OS	Reported in Release:	SLXOS 18r.1.00ch
Technology Group:	MPLS	Technology:	MPLS VPLS - Virtual
			Private LAN Services
Symptom:	Pseudowires flaps		
Condition:	After a link-down event.		

Parent Defect ID:	SLXOS-68530	Issue ID:	SLXOS-68891
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLXOS 20.4.1b
Technology Group:	Layer 3	Technology:	ARP - Address
	Routing/Network		Resolution Protocol
	Layer		
Symptom:	When user configures	a VE with "0000.5e00.01	01" MAC as static
	anycast-gateway-mac on 9740 platforms, it does not learn ARP		
	entries for connected devices.		
Condition:	When user configures a VE with VRRP MAC as static anycast-gateway-		
	mac on 9740 platforms, it does not learn ARP entries for connected		
	devices.		
	Dedicated VRRP IPv4 m	nac addresses: 0000.5e0	00.01xx (xx – vrid)
	Dedicated VRRP IPv6 mac addresses: 0000.5e00.02xx		
Workaround:	Any other MAC except the dedicated VRRP MACs are allowed to be		
	used as static anycast-gateway macs on 9740 platforms.		
Recovery:	No known recovery me	ethods.	

Parent Defect ID:	SLXOS-66842	Issue ID:	SLXOS-68900
Severity:	S3 - Moderate		

Product:	SLX-OS	Reported in Release:	SLXOS 20.3.4a
Technology Group:	Security	Technology:	SSH - Secure Shell
Symptom:	Public key authentication wont work some times.		
Condition:	Running "ssh" exec mode command.		
Recovery:			

Parent Defect ID:	SLXOS-67415	Issue ID:	SLXOS-68905
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLXOS 20.4.1
Technology Group:	Management	Technology:	SNMP - Simple
			Network
			Management
			Protocol
Symptom:	snmpwalk for OID .1.3.6.1.4.1.1916.1.51.1.8.1.3		
	(extremeBgp4V2PrefixInPrefixes) doesn't work		
Condition:	when snmpwalk execu	ted for OID .1.3.6.1.4.1.1	1916.1.51.1.8.1.3

Parent Defect ID:	SLXOS-68731	Issue ID:	SLXOS-68910
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLXOS 18r.1.00m
Technology Group:	Security	Technology:	AAA - Authentication,
			Authorization, and
			Accounting
Symptom:	Disabling AAA accounting does not appear in accounting log.		
Condition:	Disabling AAA accounting.		

Parent Defect ID:	SLXOS-66359	Issue ID:	SLXOS-68915
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLXOS 20.3.4ab
Technology Group:	Layer 3	Technology:	BFD - BiDirectional
	Routing/Network		Forwarding
	Layer		Detection
Symptom:	Bfd session does not come up due to SDK error		
Condition:	Fabric re-configuration or ecfe-speaker pod restart		

Parent Defect ID:	SLXOS-66943	Issue ID:	SLXOS-69042
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLXOS 18r.1.00j
Technology Group:	MPLS	Technology:	LDP - Label
			Distribution Protocol
Symptom:	SLX ignores the LDP MAC withdrawal from juniper.		
Condition:	SLX ignores the LDP MAC withdrawal from juniper when juniper sets		
	the IP address as 0.0.0.	0.	

Parent Defect ID:	SLXOS-67923	Issue ID:	SLXOS-69097
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLXOS 18r.1.00j
Technology Group:	Management	Technology:	Other
Symptom:	REST interface does not support configuring "vlan any" for mac		
	access-list.		
Condition:	If "vlan any" is specified for mac access-list in REST configuration API		
Workaround:	Use CLI to configure "v	lan any" for "mac access	-list"

Parent Defect ID:	SLXOS-69029	Issue ID:	SLXOS-69114		
Severity:	S3 - Moderate				
Product:	SLX-OS	Reported in Release:	SLXOS 20.4.1		
Technology Group:	Layer 2 Switching	Technology:	MCT - Multi-Chassis		
			Trunking		
Symptom:	Traffic may take >500ms to converge in non-clos fabric.				
Condition:	Check convergence time for traffic from South to North during leaf				
	node reload.				

Parent Defect ID:	SLXOS-57372	Issue ID:	SLXOS-69121
Severity:	S2 - Major		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.3b
Technology Group:	Layer 3	Technology:	BGP4 - IPv4 Border
	Routing/Network		Gateway Protocol
	Layer		
Symptom:	Convergence times >500 msec are seen for South - North traffic when		
	one of the two ports from Border Leaf to L3 gateway is shut.		
Condition:	This is a test for convergence numbers. There are two port channels		
	between each Border Leaf to the two L3 gateways. One of the port		
	channel is shut down at the Border Leaf. This forces the BL to		
	reprogram the traffic going over that port channel for the South -		
	North traffic to the other port channel. The convergence times vary		
	and there are occasion	al spikes of over 700 ms	ec.

Parent Defect ID:	SLXOS-68350	Issue ID:	SLXOS-69206
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLXOS 20.3.2f
Technology Group:	Management	Technology:	CLI - Command Line
			Interface
Symptom:	May experience reload on Dcmd module.		
Condition:	Make Script to run periodically to collect 'show running nomore'		
	output.		

Parent Defect ID:	SLXOS-68589	Issue ID:	SLXOS-69211
Severity:	S3 - Moderate		

Product:	SLX-OS	Reported in Release:	SLXOS 18r.1.00m
Technology Group:	Security	Technology:	RADIUS
Symptom:	CLI password string not masked on RADIUS accounting request and		
	audit.log.		
Condition:	On executing authentic	ation based CLI commar	nds.

Parent Defect ID:	SLXOS-67752	Issue ID:	SLXOS-69259
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLXOS 20.4.1
Technology Group:	Other	Technology:	Other
Symptom:	Reload is taking more time when hostname contains the . (dot) character.		
Condition:	When host name contains the dot character and reload the device		
Workaround:	Configure hostname without a dot		
Recovery:	system will recover wit dot	h delayed time or config	gure hostname without

Parent Defect ID:	SLXOS-68497	Issue ID:	SLXOS-69337
Severity:	S2 - Major		
Product:	SLX-OS	Reported in Release:	SLXOS 20.3.4
Technology Group:	Other	Technology:	Other
Symptom:	The link does not come up when the QSFP-SFPP-ADPT and 10G SR		
	SFP+ is used in 8520-48XT ports 49,54.		
Condition:	When the optic+adapter combination QSFP-SFPP-ADPT and 10G SR		
	SFP+ is used		

Parent Defect ID:	SLXOS-69102	Issue ID:	SLXOS-69365
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLXOS 20.3.2f
Technology Group:	Management	Technology:	SNMP - Simple
			Network
			Management
			Protocol
Symptom:	When trying to create a port configuration map using ifIndex as the		
	key value, It is not possible to make a port configuration map because		
	the key value(ifIndex) of the management port is not supported.		
Condition:	on SLX 9250 in 20.4.2a, issue is seen only after reloading, after		
	reloading if SNMP walk is issued for IfIndex and later SNMP walk is		
	issued for the IP Addre	ss table issue is not seen	

Parent Defect ID:	SLXOS-68225	Issue ID:	SLXOS-69392
Severity:	S2 - Major		
Product:	SLX-OS	Reported in Release:	SLXOS 18r.1.00c

Technology Group:	Management	Technology:	CLI - Command Line
			Interface
Symptom:	Unexpected reload of the SLX device.		
Condition:	When we perform the CLI cmd "show bridge-domain" with presence		
	of description has the special characters (Ex: <,>).		

Parent Defect ID:	SLXOS-69413	Issue ID:	SLXOS-69413
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLXOS 20.4.2
Technology Group:	Management	Technology:	SNMP - Simple
			Network
			Management
			Protocol
Symptom:	Link up/down interfaces are not generated for insight interface.		
Condition:	None.		

The following software defects are open in SLX-OS 20.4.2 as of September 2022:

Parent Defect ID:	SLXOS-50693	Issue ID:	SLXOS-50693
Severity:	S2 – Major		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.1
Technology Group:	Traffic Management	Technology:	Rate Limiting and Shaping
Symptom:	Display summation of forwarded and dropped packets for the confirmed counter		
Condition:	Applying Egress Rate Limit on bridge domain and checking the statistics with "show stat bridge-domain x"		

Parent Defect ID:	SLXOS-52599	Issue ID:	SLXOS-52599
Severity:	S3 – Moderate		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.1a
Technology Group:	Layer 3	Technology:	IPv6 Addressing
	Routing/Network		
	Layer		
Symptom:	/127 prefix routes are accepted and traffic is dropped for them.		
Condition:	If route profile "ipv6-max-prefix64" is enabled on SLX 9150, or SLX		
	9250		

Parent Defect ID:	SLXOS-52746	Issue ID:	SLXOS-53722
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.1a
Technology Group:	Monitoring	Technology:	sFlow
Symptom:	S-flow will not work for Virtual leased lines interface		
Condition:	When Storm control is	applied on Virtual leased	d lines interface

Parent Defect ID:	SLXOS-55243	Issue ID:	SLXOS-55243
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2
Technology Group:	Security	Technology:	HTTP/HTTPS
Symptom:	Extreme switch bootup logs reports(sometimes) unavailable file		
	(/usr/sbin/httpd.0)		
Condition:	Issue is seen after resta	arting HTTP(S) server mu	Itiple times

Parent Defect ID:	SLXOS-55266	Issue ID:	SLXOS-55266
Severity:	S2 - Major		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2
Technology Group:	Layer 2 Switching	Technology:	VLAN - Virtual LAN
Symptom:	On SLX 9740, ARP is not resolved and Source mac is not learned when		
	the incoming IP packet	s are Priority Tagged (Vla	an-0 with PCP bit set).
Condition:	The connected device to the switch is configured to send Priority		
	tagged packets on an untagged port. The source MACs are not learnt		
	from IP packets on the switch.		
Workaround:	Use DSCP instead of us	ing Priority tagging for C	loS.
Recovery:	No known recovery me	thods available.	

Parent Defect ID:	SLXOS-56576	Issue ID:	SLXOS-56576
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2
Technology Group:	Other	Technology:	Other
Symptom:	On SLX 9740, when the user upgrades software from 20.2.2a to a later release, device becomes unreachable when accessing through		
	an in-band port.	decomes unreachable wi	nen accessing through
Condition:	Software upgrade thro	ugh in-band port.	

Parent Defect ID:	SLXOS-57174	Issue ID:	SLXOS-57432
Severity:	S2 - Major		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.3b
Technology Group:	Management	Technology:	Other
Symptom:	System memory usage increases slowly over time while being		
	managed by EFA		
Condition:	Memory increase is see	en when EFA frequently	polls SLX for updates
	and health checks		

Parent Defect ID:	SLXOS-55211	Issue ID:	SLXOS-57437
Severity:	S2 - Major		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2
Technology Group:	Management	Technology:	Other

Symptom:	Command is not successful and displays an error saying "Cannot resolve hostname"
Condition:	Usage of "copy" command with FTP protocol and IPV6 address .
Workaround:	Use IPv4 interface address

Parent Defect ID:	SLXOS-57721	Issue ID:	SLXOS-57721
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2
Technology Group:	Management	Technology:	CLI - Command Line
			Interface
Symptom:	When we are pinging the destination with the domain name, output		
	will be in decimal format(IP address instead of domain name)		
Condition:	When the firmware is S	SLXOS 20.1.2, SLXOS 20.2	2.1 or above ping will
	have the output in IP a	ddress instead of domain	n name.

Parent Defect ID:	SLXOS-57738	Issue ID:	SLXOS-57738	
Severity:	S3 - Moderate			
Product:	SLX-OS	Reported in Release:	SLXOS 20.1.2f	
Technology Group:	MPLS	Technology:	IP over MPLS	
Symptom:	Hops are not displayed in IPoMPLS trace			
Condition:	During traceroute of IP	During traceroute of IPoMPLS traffic		

Parent Defect ID:	SLXOS-58198	Issue ID:	SLXOS-58198	
Severity:	S2 - Major			
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.3c	
Technology Group:	Other	Technology:	Other	
Symptom:	ICL interface is not coming up.			
Condition:	After the BGP process i	After the BGP process is killed.		

Parent Defect ID:	SLXOS-60970	Issue ID:	SLXOS-60970	
Severity:	S2 - Major	S2 - Major		
Product:	SLX-OS	Reported in Release:	SLXOS 20.3.3	
Technology Group:	Layer 3	Technology:	BGP4 - IPv4 Border	
	Routing/Network		Gateway Protocol	
	Layer			
Symptom:	On SLX 9640. while pro	gramming 500 flowspec	rules to hardware, a	
	BFD session is down due to "Detection Time Expired" which in turn			
	terminates BGP session	n. Some BGP sessions fla	pping are due to this.	
Condition:	In scaled setup, 500 BG	iP-flow spec rules are pr	ogrammed in	
	hardware			

Parent Defect ID:	SLXOS-61208	Issue ID:	SLXOS-61283
Severity:	S2 - Major		

Product:	SLX-OS	Reported in Release:	SLXOS 20.3.2b
Technology Group:	Other	Technology:	Other
Symptom:	SLX 9540 device does not respond		
Condition:	Taking suppotsave when the free memory is below 600Mb.		
Recovery:	Power off/on the device		

Parent Defect ID:	SLXOS-61458	Issue ID:	SLXOS-61527
Severity:	S3 - Moderate		
Product:	SLX-OS Reported in Release: SLXOS 20.3.2b		
Technology Group:	Other	Technology:	Other
Symptom:	When the encrypted password string has "\" or "?" in the startup config, ? or \ is missed in the running-config after config restore and TPVM login will be failed		
Condition:	Encrypted password string should not have these charater "\" or "?"		
Workaround:	TPVM password command needs to be executed till the encrypted password string doesn't have the '\' and '?'.		
Recovery:	TPVM password command needs to be executed again to recover TPVM login		

Parent Defect ID:	SLXOS-61347	Issue ID:	SLXOS-61598	
Severity:	S2 - Major			
Product:	SLX-OS	Reported in Release:	SLXOS 20.3.2c	
Technology Group:	Layer 2 Switching	Technology:	MCT - Multi-Chassis	
			Trunking	
Symptom:	In Multi-homed enviro	nment, shutdown of an I	LACP ES Port-channel	
	may cause traffic flood	ing to other ES interface	s if the client/host	
	device is not able to de	tect link flap and contin	ue to send the traffic.	
	Whenever LACP port-c	hannel is shut, member	ports will be	
		r will be down for few m	-	
	· ·	etect link event. After the	·	
	member port will be transitioned to disaggregated individual port.			
	Some old devices may not be able to detect link flap and continue to			
	send traffic for some more time till LACP timeout.			
Condition:	Some old hosts may not be able to detect link flap when the link goes			
	down for short period of time. SLX 9150/9250 keep the link down for			
	100msec before bring up the link as lacp individual.			
		is not able to detect the	•	
	•	es to send the traffic till L		
	device may flood the traffic (in vlan) during that period.			
Workaround:	Shutting the individual member ports along with ES port-channel			
	avoids flooding in this scenario.			
Recovery:		covered automatically a		
	Client device detects L	ACP timeout after 3sec (in case of short lacp	
	interval), and stops tra	ffic.		

Parent Defect ID:	SLXOS-61510	Issue ID:	SLXOS-62106
Severity:	S2 - Major		
Product:	SLX-OS	Reported in Release:	SLXOS 20.3.2c
Technology Group:	Management	Technology:	Software Installation
			& Upgrade
Symptom:	a) If the device is reloaded, running-configs is not retained with auto persistence enable as dcmd database is not present. b) If the device is not reloaded and do a normal fwdl or fullinstall, no issue will be seen.		
Condition:	If "firmware download + noreboot" is issued and later if the		
	"firmware commit" is	done and rebooted the d	levice.

Parent Defect ID:	SLXOS-62773	Issue ID:	SLXOS-62773
Severity:	S2 - Major		
Product:	SLX-OS	Reported in Release:	SLXOS 20.3.4
Technology Group:	Layer 3	Technology:	BGP4 - IPv4 Border
	Routing/Network		Gateway Protocol
	Layer		
Symptom:	Some BGP EVPN ND routes are not flushed in BGP EVPN table alone		
	when one MH node comes out from MM and traffic is not getting		
	forwarded for those ND routes		
Condition:	This EVPN ND routes sync issue happens inconsistently when one MH		
	node comes out from N	ММ	

Parent Defect ID:	SLXOS-61178	Issue ID:	SLXOS-62976
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.3d
Technology Group:	Layer 3	Technology:	ICMP - Internet
	Routing/Network		Control Message
	Layer		Protocol
Symptom:	Slowness on the ping responses on SLX.		
Condition:	On SLX node, CPU is busy with the higher priority packets.		

Parent Defect ID:	SLXOS-62671	Issue ID:	SLXOS-62995
Severity:	S2 - Major		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2
Technology Group:	Layer 3	Technology:	BGP4+ - IPv6 Border
	Routing/Network		Gateway Protocol
	Layer		
Symptom:	Latency of around 250ms to 1second is observed on SLX device.		
Condition:	SLX node has experienced the CPU congestion		

Parent Defect ID:	SLXOS-63182	Issue ID:	SLXOS-63182
Severity:	S2 - Major		

Product:	SLX-OS	Reported in Release:	SLXOS 20.3.4
Technology Group:	Layer 3	Technology:	BGP4 - IPv4 Border
	Routing/Network		Gateway Protocol
	Layer		
Symptom:	Sometimes the switch reload is seen in a scaled environment.		
Condition:	In scaled environment and BGP PIC configuration is enabled, when		
	routes are learned through BGP and are getting processed.		

Parent Defect ID:	SLXOS-63023	Issue ID:	SLXOS-63982
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLXOS 20.1.2g
Technology Group:	Management	Technology:	Software Installation
			& Upgrade
Symptom:	Device will boot to ONIE on bootrom, and waits for ever.		
Condition:	Doing firmware downgrade from 20.2.3 to 20.1.2 via USB.		
Workaround:	Use methods of firmwa	are download, other that	n the USB.

Parent Defect ID:	SLXOS-64409	Issue ID:	SLXOS-64606	
Severity:	S2 - Major	S2 - Major		
Product:	SLX-OS	Reported in Release:	SLXOS 20.3.4a	
Technology Group:	Management	Technology:	CLI - Command Line	
			Interface	
Symptom:	TPVM configuration is	TPVM configuration is lost when the device reloads with default		
	configuration during firmware update.			
Condition:	Issue happens when "default-config" option is provided in "firmware			
	download" command.			
Workaround:	Execute following commands - "copy default-config startup-config"			
	and then "firmware download" command without "default-config"			
	option.			

Parent Defect ID:	SLXOS-64255	Issue ID:	SLXOS-65234
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLXOS 18r.1.00j
Technology Group:	Management	Technology:	CLI - Command Line
			Interface
Symptom:	ARP not resolved for the peer entry		
Condition:	When link fault is clear	red.	

Parent Defect ID:	SLXOS-65700	Issue ID:	SLXOS-65700
Severity:	S2 - Major		
Product:	SLX-OS	Reported in Release:	SLXOS 20.4.1
Technology Group:	MPLS	Technology:	MPLS VPLS - Virtual
			Private LAN Services
Symptom:	LACP configured Port c	hannels may flap after c	learing MACs.

Condition:	Executing "clear mac dynamic" command on a Provider Edge node with more than 600 VPLS bridge domain configuration may cause LACP port channels to flap.
Workaround:	MACs can be cleared one at a time or clear MAC by one VLAN at a time

Parent Defect ID:	SLXOS-65379	Issue ID:	SLXOS-66289
Severity:	S2 - Major		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.3j
Technology Group:	MPLS	Technology:	MPLS VPLS - Virtual
			Private LAN Services
Symptom:	MPLS encapsulated 'Unicast ICMP with destination MAC starts on 4' traffic fails to forward from 9740(PHP/P) to 9850(PE).		
Condition:	Transit Node.	on between 9850 & MLX lestination MAC starts w	-

Parent Defect ID:	SLXOS-66290	Issue ID:	SLXOS-66290
Severity:	S2 - Major		
Product:	SLX-OS	Reported in Release:	SLXOS 20.4.1
Technology Group:	Layer 3	Technology:	VRRPv2 - Virtual
	Routing/Network		Router Redundancy
	Layer		Protocol Version 2
Symptom:	SAG mac is not programmed in hardware.		
Condition:	ESI flap on port-channe	el interface.	

Parent Defect ID:	SLXOS-66262	Issue ID:	SLXOS-66385	
Severity:	S2 - Major	S2 - Major		
Product:	SLX-OS	Reported in Release:	SLXOS 20.3.4a	
Technology Group:	Layer 3	Technology:	ARP - Address	
	Routing/Network		Resolution Protocol	
	Layer			
Symptom:	Response is not seen for Neighbor Solicitation			
Condition:	On capturing packets using port mirroring while receiving ICMP6			
	Neighbor Solicitations at the rate of 1pkt/sec or more, a sporadic miss			
	of Neighbor Advertisements (NA) is seen in the pcap file, though SLX			
	responds with NA for e	ach of them.		

Parent Defect ID:	SLXOS-66718	Issue ID:	SLXOS-66718
Severity:	S2 - Major		
Product:	SLX-OS	Reported in Release:	SLXOS 20.4.1
Technology Group:	Other	Technology:	Other
Symptom:	Observed the optics removed for all ports.		
Condition:	After multiple device re	After multiple device reloads on 9740 device.	

Parent Defect ID:	SLXOS-66738	Issue ID:	SLXOS-66738
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLXOS 20.4.1
Technology Group:	Monitoring	Technology:	Port Mirroring
Symptom:	In port mirroring configuration if destination interface is a port-channel and source interface is either a port-channel or member of a port-channel then destination port-channel interface goes down.		
Condition:	Issue is seen if in port r configured as a port-ch	nirroring configuration clannel.	lestination interface is

Parent Defect ID:	SLXOS-66740	Issue ID:	SLXOS-66740
Severity:	S2 - Major		
Product:	SLX-OS	Reported in Release:	SLXOS 20.4.1
Technology Group:	Layer 3	Technology:	BFD - BiDirectional
	Routing/Network		Forwarding
	Layer		Detection
Symptom:	BFD daemon reboot may be seen.		
Condition:	Multiple times add and	remove of EPGs from E	FA.

Parent Defect ID:	SLXOS-66741	Issue ID:	SLXOS-66741
Severity:	S2 - Major		
Product:	SLX-OS	Reported in Release:	SLXOS 20.4.1
Technology Group:	Layer 3	Technology:	Other
	Routing/Network		
	Layer		
Symptom:	RH entries are exhausting. Utilizing more resources		
Condition:	Enabling Maintenance mode makes RH entries exhaust and utilize		
	more resources		

Parent Defect ID:	SLXOS-66742	Issue ID:	SLXOS-66742
Severity:	S2 - Major		
Product:	SLX-OS	Reported in Release:	SLXOS 20.4.1
Technology Group:	Layer 2 Switching	Technology:	MCT - Multi-Chassis
			Trunking
Symptom:	BUM packets failed to go out over CCEP(cluster client endpoint) ports		
Condition:	Below is the sequence of trigger:		
	-Maintenance mode enable		
	-Vlan delete/add against CCEP Interface		
	-Disable Maintenance	mode	

Parent Defect ID:	SLXOS-64538	Issue ID:	SLXOS-66864
Severity:	S2 - Major		

Product:	SLX-OS	Reported in Release:	SLXOS 20.3.4
Technology Group:	Other	Technology:	Other
Symptom:	RME port may be down		
Condition:	Redundant management ports on slx 9740 may not come up for		
	certain ports in certain scenarios		
Workaround:	Reconfigure breakout cable and sh/no shut to resolve the issue		
Recovery:	Reconfigure breakout cable and sh/no shut to resolve the issue		

Parent Defect ID:	SLXOS-66951	Issue ID:	SLXOS-66988
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLXOS 20.4.1
Technology Group:	Other	Technology:	Other
Symptom:	"Last Runtime error" in the "show tpvm status" after power cycle.		
Condition:	While trying to get the tpvm status before TPVM is coming to alive.		
Recovery:	After executing "show	tpvm ip" with proper ip,	issue will be resolved.

Parent Defect ID:	SLXOS-66825	Issue ID:	SLXOS-67000
Severity:	S2 - Major		
Product:	SLX-OS	Reported in Release:	SLXOS 20.3.2fa
Technology Group:	Layer 3	Technology:	BFD - BiDirectional
	Routing/Network		Forwarding
	Layer		Detection
Symptom:	BFD sessions flaps		
Condition:	Reload of Leaf node connected to SRIOV compute servers.		

Parent Defect ID:	SLXOS-67058	Issue ID:	SLXOS-67177
Severity:	S2 - Major		
Product:	SLX-OS	Reported in Release:	SLXOS 20.4.1
Technology Group:	Other	Technology:	Other
Symptom:	BGP IPV6 trap with BGP peer remote address in its varbind list.		
Condition:	During BGP IPV6 traps generation, the bgp peer remote address got stored in ipAddress value type.		

Parent Defect ID:	SLXOS-67321	Issue ID:	SLXOS-67373
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLXOS 20.4.1
Technology Group:	Security	Technology:	SSH - Secure Shell
Symptom:	After deleting the SSH key from flash it come up again after reload.		
Condition:	After deleting the SSH key from flash it come up again after reload.		

Parent Defect ID:	SLXOS-54373	Issue ID:	SLXOS-67650
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.1

Technology Group:	Management	Technology:	CLI - Command Line
			Interface
Symptom:	Interface MTU value not set		
Condition:	Sometimes a reload will not set MTU value		
Workaround:	Re-configure MTU valu	е	

Parent Defect ID:	SLXOS-67049	Issue ID:	SLXOS-67663
Severity:	S2 - Major		
Product:	SLX-OS	Reported in Release:	SLXOS 20.3.4a
Technology Group:	Monitoring	Technology:	Hardware Monitoring
Symptom:	Flow based mirroring stopped working		
Condition:	On SLX-9150/9250 Platform port channel is configured as destination		
	interface in monitor session in flow based mirroring.		
Workaround:	Rebind ACL on the Source interface configured in flow based monitor		
	session		

Parent Defect ID:	SLXOS-66416	Issue ID:	SLXOS-67705
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLXOS 20.3.2e
Technology Group:	Security	Technology:	User Accounts &
			Passwords
Symptom:	Unable to login to the device on SLX9740.		
Condition:	When following the password recovery method.		

Parent Defect ID:	SLXOS-66994	Issue ID:	SLXOS-67853
Severity:	S2 - Major		
Product:	SLX-OS	Reported in Release:	SLXOS 20.3.2fa
Technology Group:	Monitoring	Technology:	Port Mirroring
Symptom:	For mirrored traffic ICMP reply packets are seen before ICM request		
	packets.		
Condition:	When a PO is used as source interface for mirroring.		

Parent Defect ID:	SLXOS-67492	Issue ID:	SLXOS-67928
Severity:	S2 - Major		
Product:	SLX-OS	Reported in Release:	SLXOS 20.4.1a
Technology Group:	Management	Technology:	Other
Symptom:	Failed to bring up the interfaces(0/49:1 & 0/54:1) on SLX9150-48XT.		
Condition:	With presence of QSFP-SFPP-ADPT and 10G SR SFP+ optics on 0/49 or		
	0/54.		

Parent Defect ID:	SLXOS-67965	Issue ID:	SLXOS-67965
Severity:	S2 - Major		
Product:	SLX-OS	Reported in Release:	SLXOS 20.4.2

Technology Group:	Monitoring	Technology:	RAS - Reliability,
			Availability, and
			Serviceability
Symptom:	Dcmd core file will be generated and system will boot up.		
Condition:	When support save is started if there is a network connectivity issue		
	and file transfer takes a very long time.		

Parent Defect ID:	SLXOS-67837	Issue ID:	SLXOS-68001
Severity:	S2 - Major		
Product:	SLX-OS	Reported in Release:	SLXOS 20.3.2fb
Technology Group:	Layer 3	Technology:	BGP4 - IPv4 Border
	Routing/Network		Gateway Protocol
	Layer		
Symptom:	In routing table, POD prefixes with /25 routes are not added instead		
	the route which has next-hop points to gateway is added.		
Condition:	During POD reboot the	routes are installed witl	n gateway's next-hop
	address.		

Parent Defect ID:	SLXOS-68053	Issue ID:	SLXOS-68053
Severity:	S2 - Major		
Product:	SLX-OS	Reported in Release:	SLXOS 20.4.2
Technology Group:	Management	Technology:	SNMP - Simple
			Network
			Management
			Protocol
Symptom:	Delay in delivering SNMP traps		
Condition:	With SNMPv3 informs	configuration	

Parent Defect ID:	SLXOS-67941	Issue ID:	SLXOS-68061
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLXOS 20.3.4b
Technology Group:	Monitoring	Technology:	Hardware Monitoring
Symptom:	SLXCLI route command "show hw route-info linecard 0" will show invalid values in the LPM output display.		
Condition:	When route command "show hw route-info linecard 0" is executed		
	from SLXCLI.		

Parent Defect ID:	SLXOS-68101	Issue ID:	SLXOS-68101
Severity:	S2 - Major		
Product:	SLX-OS	Reported in Release:	SLXOS 20.4.2
Technology Group:	Layer 3 Routing/Network	Technology:	Multi-VRF
	Layer		

Symptom:	During VRF delete, user notices brindge-domain VE number being displayed incorrectly as "Ve 0" in NSM raslogs as shown below: <date>, [NSM-1003], 109517, DCE, INFO, BL-1, interface Ve 0 is link down. <date>, [NSM-1001], 109518, DCE, INFO, BL-1, interface Ve 8150 is online. This is cosmetic display error, and no impact to VE functionality.</date></date>
Condition:	During VRF delete, when all bounded VE interfaces goes for reset. During VE down, brindge-domain VE number will be displayed incorrectly as "Ve 0" in NSM raslogs. This issue is not observed for Vlan VEs.

Parent Defect ID:	SLXOS-68166	Issue ID:	SLXOS-68166
Severity:	S2 - Major		
Product:	SLX-OS	Reported in Release:	SLXOS 20.4.2
Technology Group:	Management	Technology:	SNMP - Simple
			Network
			Management
			Protocol
Symptom:	After changing any SNN	MP configuration, snmpv	valk of Entity MIB, HA
	MIB and SW MIB may s	sometimes result in "No	Such Instance".
Condition:	After changing any SNMP configuration, snmpwalk of Entity MIB, HA		
	MIB and SW MIB may s	sometimes result in "No	Such Instance".
Recovery:	Restart SNMP agent. This can be achieved by shut/noshut of SNMP		
	service on any VRF.		
	SLX(config)# snmp-server use-vrf mgmt-vrf shut		
	SLX(config)# no snmp-s	server use-vrf mgmt-vrf s	shut

Parent Defect ID:	SLXOS-66943	Issue ID:	SLXOS-68200
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLXOS 18r.1.00j
Technology Group:	MPLS	Technology:	LDP - Label
			Distribution Protocol
Symptom:	SLX ignores the LDP MAC withdrawal from juniper.		
Condition:	SLX ignores the LDP MAC withdrawal from juniper when juniper sets		
	the IP address as 0.0.0	.0.	

Parent Defect ID:	SLXOS-67899	Issue ID:	SLXOS-68239
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLXOS 20.3.2fb

Technology Group:	Layer 3	Technology:	BGP4 - IPv4 Border
	Routing/Network		Gateway Protocol
	Layer		
Symptom:	Route entries with 2 next-hops are added where one next-hop is		
	inactive.		
Condition:	During the POD reboot scenario, PODs advertise different next-hop		
	address. Though one of the next-hop is detected as BFD DOWN, route		
	with this next-hop still present in routing table.		
Recovery:	Execute "clear ip route	<route>"</route>	

Parent Defect ID:	SLXOS-67978	Issue ID:	SLXOS-68324	
Severity:	S3 - Moderate	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.3ab	
Technology Group:	Layer 3	Technology:	Other	
	Routing/Network			
	Layer			
Symptom:	Reload is seen in Fibagt module.			
Condition:	1 million BGP routes are advertised and withdrawn in a loop with a			
	gap of 5 seconds in be	tween.		

Parent Defect ID:	SLXOS-67850	Issue ID:	SLXOS-68337
Severity:	S2 - Major		
Product:	SLX-OS	Reported in Release:	SLXOS 20.3.2ae
Technology Group:	Layer 3	Technology:	BGP4 - IPv4 Border
	Routing/Network		Gateway Protocol
	Layer		
Symptom:	BGP learnt best route is getting withdrawn and re-programmed once		
	new additional path route is programmed.		
Condition:	Additional Path feature	e is enabled for BGP.	

Parent Defect ID:	SLXOS-67973	Issue ID:	SLXOS-68392
Severity:	S2 - Major		
Product:	SLX-OS	Reported in Release:	SLXOS 20.3.2d
Technology Group:	Layer 3	Technology:	BFD - BiDirectional
	Routing/Network		Forwarding
	Layer		Detection
Symptom:	BFD session is not coming up		
Condition:	AMF POD reset		

Parent Defect ID:	SLXOS-68393	Issue ID:	SLXOS-68393
Severity:	S2 - Major		
Product:	SLX-OS	Reported in Release:	SLXOS 20.4.2

Technology Group:	Layer 3	Technology:	BFD - BiDirectional
	Routing/Network		Forwarding
	Layer		Detection
Symptom:	BFD session will remain in down state.		
Condition:	BFD packet is transmitted with wrong UDP checksum value.		
Recovery:	Flap the IP interface or	ce over which BFD Sess	ion is created.

Parent Defect ID:	SLXOS-68416	Issue ID:	SLXOS-68416
Severity:	S2 - Major		
Product:	SLX-OS	Reported in Release:	SLXOS 20.4.2
Technology Group:	Layer 3	Technology:	BGP4 - IPv4 Border
	Routing/Network		Gateway Protocol
	Layer		
Symptom:	Increase in NHID count for the 8K BFD scaled configuration		
Condition:	PIC is enabled/disabled	l and SLX device is reboo	oted

Parent Defect ID:	SLXOS-68429	Issue ID:	SLXOS-68429
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLXOS 20.4.2
Technology Group:	Layer 3	Technology:	BFD - BiDirectional
	Routing/Network		Forwarding
	Layer		Detection
Symptom:	Console message maybe seen - [RTM-1033], 65963, DCE, ERROR, BL-		
	1, System Next-Hop limits exceeded. Current Profile Nexthop 2000.		
	Configured Next-Hops 1003		
Condition:	When Clear bfd neighb	ors command is issued.	

Parent Defect ID:	SLXOS-68374	Issue ID:	SLXOS-68435
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLXOS 20.3.2fd
Technology Group:	Traffic Management	Technology:	Rate Limiting and
			Shaping
Symptom:	When high rate of IGMP traffic is received, device may experience		
	OSPF and BFD sessions	flaps.	
Condition:	When high rate of IGM	P traffic is received with	destination IP address
	224.224.224.		

Parent Defect ID:	SLXOS-67423	Issue ID:	SLXOS-68447	
Severity:	S2 - Major			
Product:	SLX-OS	Reported in Release:	SLXOS 20.3.4ab	
Technology Group:	Layer 3	Technology:	BGP4 - IPv4 Border	
	Routing/Network		Gateway Protocol	
	Layer			
Symptom:	BGP reload and session	BGP reload and sessions went down		

Condition:	redeployment of VMs that causes MACs to be advertised
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Parent Defect ID:	SLXOS-68498	Issue ID:	SLXOS-68498
Severity:	S2 - Major		
Product:	SLX-OS	Reported in Release:	SLXOS 20.4.2
Technology Group:	Management	Technology:	SNMP - Simple
			Network
			Management
			Protocol
Symptom:	Delay in delivering traps		
Condition:	When there is flood of	traps observed that tra	ps are delivered slowly

Parent Defect ID:	SLXOS-68190	Issue ID:	SLXOS-68561
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLXOS 20.3.2fd
Technology Group:	IP Multicast	Technology:	MLD - Multicast
			Listener Discovery
Symptom:	Reload is observed in MLD module, followed by node reload and link		
	flaps.		
Condition:	The node receives MLD traffic from peer (with a large length value),		
	on an L3 interface with	no multicast configurati	ion.

Defects Closed with Code Changes

The following software defects were closed in 20.4.2c with code change as of August 2023:

Parent Defect ID:	SLXOS-66842	Issue ID:	SLXOS-68900	
Severity:	S3 - Moderate			
Product:	SLX-OS	Reported in Release:	SLX-OS 20.3.4a	
Technology Group:	Security	Technology:	SSH - Secure Shell	
Symptom:	Public key authentication does not work sometimes.			
Condition:	Running "ssh" exec mo	Running "ssh" exec mode command.		

Parent Defect ID:	SLXOS-68731	Issue ID:	SLXOS-68910
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLX-OS 18r.1.00m
Technology Group:	Security	Technology:	AAA - Authentication,
			Authorization, and
			Accounting
Symptom:	Disabling AAA accounting does not appear in accounting log.		
Condition:	Disabling AAA account	ing.	

Parent Defect ID:	SLXOS-69102	Issue ID:	SLXOS-69365
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLX-OS 20.3.2f
Technology Group:	Management	Technology:	SNMP - Simple
			Network
			Management
			Protocol
Symptom:	When trying to create a port configuration map using ifIndex as the		
	key value, It is not possible to make a port configuration map because		
	the key value(ifIndex) of the management port is not supported.		
Condition:	on SLX 9250 in 20.4.2a, issue is seen only after reloading, after		
	reloading if SNMP walk	is issued for IfIndex and	later SNMP walk is
	issued for the IP Addre	ss table issue is not seen	

Parent Defect ID:	SLXOS-69413	Issue ID:	SLXOS-69413
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLX-OS 20.4.2
Technology Group:	Management	Technology:	SNMP - Simple
			Network
			Management
			Protocol
Symptom:	Link up/down interfaces are not generated for insight interface.		
Condition:	When TPVM STOP / ST	ART is configured	

Parent Defect ID:	SLXOS-70392	Issue ID:	SLXOS-70728

Severity:	S2 - Major		
Product:	SLX-OS	Reported in Release:	SLX-OS 20.3.4
Technology Group:	Layer 3	Technology:	ARP - Address
	Routing/Network		Resolution Protocol
	Layer		
Symptom:	Invalid checksum in IPv6 NA packets.		
Condition:	When anycast IPv6 add	lress is enabled.	

Parent Defect ID:	SLXOS-70482	Issue ID:	SLXOS-70825
Severity:	S2 - Major		
Product:	SLX-OS	Reported in Release:	SLX-OS 20.4.1
Technology Group:	Security	Technology:	SSH - Secure Shell
Symptom:	SSH(sshd) process stop	s running after node relo	oad.
Condition:	Noticed in case of making remote side connection of management		
	port DOWN.		

Parent Defect ID:	SLXOS-69717	Issue ID:	SLXOS-71022
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLX-OS 20.3.2ae
Technology Group:	Traffic Management	Technology:	Rate Limiting and
			Shaping
Symptom:	ICMP packets may cause drops once exception queue limit is hit in		
	SLX 9540/9640 platfor	ms.	
Condition:	When ICMP packets are sent with TTL1 with MTR or traceroute tool,		
	they may cause drops once exception queue limit is hit in SLX		
	9540/9640 platforms.		

Parent Defect ID:	SLXOS-70795	Issue ID:	SLXOS-71073
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLX-OS 20.4.1cb
Technology Group:	Layer 3	Technology:	BGP4 - IPv4 Border
	Routing/Network		Gateway Protocol
	Layer		
Symptom:	High volume BGP TTL1 packets received could cause BGP flaps.		
Condition:	BGP TTL1 packets may get classified to Exception queue with		
	threshold limit hit which	h may result in BGP flap	s due to IP-FEC issue.

Parent Defect ID:	SLXOS-71300	Issue ID:	SLXOS-71300
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLX-OS 20.4.2
Technology Group:	Traffic Management	Technology:	QoS - Quality of
			Service
Symptom:	When tm voq-stats CLI command is executed, destination port shown		
	as N/A when there are	CPU discards.	

Condition:	During execution of "show tm voq-stat ingress-device all discards"
	command.

Parent Defect ID:	SLXOS-69875	Issue ID:	SLXOS-71384
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLX-OS 18r.1.00m
Technology Group:	Layer 2 Switching	Technology:	LAG - Link
			Aggregation Group
Symptom:	Invalid "Time since last interface status change" value for Port-		
	channel.		
Condition:	Member port flap.		

Parent Defect ID:	SLXOS-70559	Issue ID:	SLXOS-71570
Severity:	S2 - Major		
Product:	SLX-OS	Reported in Release:	SLX-OS 20.2.3ja
Technology Group:	Layer 2 Switching	Technology:	xSTP - Spanning Tree
			Protocols
Symptom:	When no switch-port is initiated on PO interface, the device might block traffic on other interface as it updates wrong h/w entry with drop.		
Condition:	When no switch-port is	done on PO interface.	

Parent Defect ID:	SLXOS-70832	Issue ID:	SLXOS-71989
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLX-OS 20.4.1
Technology Group:	Management	Technology:	SNMP - Simple
			Network
			Management
			Protocol
Symptom:	Duplicate CPU/memory threshold monitoring SNMP traps seen.		
Condition:	CPU/memory usage in	SLX reaching its configur	ed threshold limits.

The following software defects were closed in 20.4.2b with code change as of January 2023:

Parent Defect ID:	SLXOS-67618	Issue ID:	SLXOS-68725
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLXOS 20.3.2d
Technology Group:	Management	Technology:	SNMP - Simple
			Network
			Management
			Protocol
Symptom:	The OID to pull the serial number is different for the Extreme 8720		
	than other SLX platforms.		
Condition:	If Extreme 8720 tries to	If Extreme 8720 tries to fetch the serial number via entPhysicalEntry.	

Parent Defect ID:	SLXOS-68853	Issue ID:	SLXOS-68853
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLXOS 20.4.2
Technology Group:	Management	Technology:	SNMP - Simple
			Network
			Management
			Protocol
Symptom:	When MM disable is configured, extremeMaintenanceModeExitTrap		
	generated has extremeMaintenanceModeConvergenceStatus as		
	timedout when show system maintenance CLI showed MCT in stage2		
	as completed.		
Condition:	When MM disable is co	onfigured.	

Parent Defect ID:	SLXOS-67923	Issue ID:	SLXOS-69097
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLXOS 18r.1.00j
Technology Group:	Management	Technology:	Other
Symptom:	REST interface does not support configuring "vlan any" for mac		
	access-list.		
Condition:	If "vlan any" is specified for mac access-list in REST configuration API		

Parent Defect ID:	SLXOS-69409	Issue ID:	SLXOS-69409
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLXOS 20.4.2
Technology Group:	Management	Technology:	Other
Symptom:	HTTP(S) connection fails on reload		
Condition:	Before reload if web service is running on port 80 in all VRF and then https certificate is imported and web service is restarted in one vrf and not in others.		

Parent Defect ID:	SLXOS-69513	Issue ID:	SLXOS-69513
Severity:	S2 - Major		
Product:	SLX-OS	Reported in Release:	SLXOS 20.4.2
Technology Group:	Management	Technology:	SNMP - Simple
			Network
			Management
			Protocol
Symptom:	SNMP not responding to snmp operations		
Condition:	After the power cycle of	After the power cycle or reload with continuous snmpwalk	

Parent Defect ID:	SLXOS-69512	Issue ID:	SLXOS-69580
Severity:	S3 - Moderate		

Product:	SLX-OS	Reported in Release:	SLXOS 18r.1.00m
Technology Group:	Layer 3	Technology:	ARP - Address
	Routing/Network		Resolution Protocol
	Layer		
Symptom:	When ARP requests are received on a physical IP interface, duplicated		
	ARP responses will be sent by SLX 9540/SLX 9640.		
Condition:	When ARP request is received on a physical IP interface on SLX		
	9540/SLX 9640.		

Parent Defect ID:	SLXOS-69681	Issue ID:	SLXOS-69681
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLXOS 20.4.2
Technology Group:	Management	Technology:	Other
Symptom:	HTTP(S) connection fails on reload		
Condition:	Before reload if web service is running on port 80 in all VRF and then		
	https certificate is imported and web service is restarted in one vrf		
	and not in others.		

Parent Defect ID:	SLXOS-69585	Issue ID:	SLXOS-69792
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLXOS 20.4.1
Technology Group:	Management	Technology:	SNMP - Simple Network Management Protocol
Symptom:	FRU notifications not getting generated.		
Condition:	When FRU related events occurred.		

Parent Defect ID:	SLXOS-69335	Issue ID:	SLXOS-70140
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLXOS 20.4.1
Technology Group:	Management	Technology:	Other
Symptom:	HTTP(S) connection fails on reload		
Condition:	Before reload if web service is running on port 80 in all VRF and then https certificate is imported and web service is restarted in one vrf and not in others.		

Parent Defect ID:	SLXOS-69572	Issue ID:	SLXOS-70156
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLXOS 20.3.2a
Technology Group:	Management	Technology:	SNMP - Simple
			Network
			Management
			Protocol

Symptom:	Timer mismatch of SNMP GET call of OID bgpPeerFsmEstablishedTime
	when compared with CLI.
Condition:	BGP configuration should be present on the device and peer to be
	established.
	This issue is seen when we poll OID 1.3.6.1.2.1.15.3.1.16 using SNMP.

The following software defects were closed in 20.4.2a with code change as of October 2022:

Parent Defect ID:	SLXOS-68498	Issue ID:	SLXOS-68696
Severity:	S2 - Major		
Product:	SLX-OS	Reported in Release:	SLXOS 20.4.2
Technology Group:	Management	Technology:	SNMP - Simple
			Network
			Management
			Protocol
Symptom:	Delay in delivering traps		
Condition:	When there is flood of traps observed that traps are delivered slowly		

Parent Defect ID:	SLXOS-67614	Issue ID:	SLXOS-68705
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLXOS 20.4.1a
Technology Group:	Security	Technology:	PBR - Policy-Based
			Routing
Symptom:	IPv6 transit packets are getting dropped.		
Condition:	When L3 interface is configured with IPv4 and IPv6 addresses and		
	IPv4 PBR rule is applied to drop all IPv4 packets.		

Parent Defect ID:	SLXOS-56576	Issue ID:	SLXOS-68717
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2
Technology Group:	Other	Technology:	Other
Symptom:	On SLX 9740, when the user upgrades software from 20.2.2a to a		
	later release, device becomes unreachable when accessing through		
	an in-band port.		
Condition:	Software upgrade through in-band port.		

Parent Defect ID:	SLXOS-67910	Issue ID:	SLXOS-68809
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLXOS 20.4.1
Technology Group:	Layer 3 Routing/Network Layer	Technology:	IPv6 Addressing
Symptom:	SLX reloads, when we try to fetch the ipv6 link-local neighbors information.		

Condition:	When we try to retrieve the neighbor info from the SLX-CLI.
	"show ipv6 neighbor <link-local address="">"</link-local>

Parent Defect ID:	SLXOS-64538	Issue ID:	SLXOS-69094
Severity:	S2 - Major		
Product:	SLX-OS	Reported in Release:	SLXOS 20.3.4
Technology Group:	Other	Technology:	Other
Symptom:	RME port may be down		
Condition:	Redundant management ports on slx 9740 may not come up for		
	certain ports in certain scenarios		

Parent Defect ID:	SLXOS-68190	Issue ID:	SLXOS-69257
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLXOS 20.3.2fd
Technology Group:	IP Multicast	Technology:	MLD - Multicast
			Listener Discovery
Symptom:	Reload is observed in MLD module, followed by node reload and link		
	flaps.		
Condition:	The node receives MLD traffic from peer (with a large length value),		
	on an L3 interface with	no multicast configurati	on.

Parent Defect ID:	SLXOS-69386	Issue ID:	SLXOS-69386
Severity:	S2 - Major		
Product:	SLX-OS	Reported in Release:	SLXOS 20.4.2
Technology Group:	Management	Technology:	SNMP - Simple
			Network
			Management
			Protocol
Symptom:	SNMP GET gives wrong value for OID 1.3.6.1.2.1.31.1.1.1.17		
	(ifConnectorPresent)		
Condition:	None		

The following software defects were closed in 20.4.2 with code change as of September 2022:

Parent Defect ID:	SLXOS-62115	Issue ID:	SLXOS-62126	
Severity:	S2 - Major			
Product:	SLX-OS	Reported in Release:	SLXOS 20.3.2b	
Technology Group:	Management	Technology:	SNMP - Simple	
			Network	
			Management	
			Protocol	
Symptom:	SNMP trap is not sent for Loopback interface which is a VTEP, during			
	cluster bring-up after a	cluster bring-up after a reload.		

Condition:	Reload of switch that is in a MCT cluster. SNMP trap is not sent when
	an interface comes up. Issue is seen when VTEP comes up as part of
	cluster bring-up after reload.

Parent Defect ID:	SLXOS-65436	Issue ID:	SLXOS-65436
Severity:	S2 - Major		
Product:	SLX-OS	Reported in Release:	SLXOS 20.4.1
Technology Group:	Layer 3	Technology:	Other
	Routing/Network		
	Layer		
Symptom:	Not able to delete a logical interface.		
Condition:	When a new BD/LIF was created after LIF limit is reached.		

Parent Defect ID:	SLXOS-66708	Issue ID:	SLXOS-66708
Severity:	S1 - Critical		
Product:	SLX-OS	Reported in Release:	SLXOS 20.4.1
Technology Group:	Other	Technology:	Other
Symptom:	observed the reload		
Condition:	when kernel panic is done on the device.		

Parent Defect ID:	SLXOS-66716	Issue ID:	SLXOS-66727	
Severity:	S3 - Moderate			
Product:	SLX-OS	Reported in Release:	SLXOS 20.3.4a	
Technology Group:	MPLS	Technology:	MPLS VPLS - Virtual	
			Private LAN Services	
Symptom:	show bridge-domain <bd#> logical-interface" displays the LIF as untagged, when it is configured as a tagged interface. This is cosmetic issue.</bd#>			
Condition:	When bridge-domain is	This is only cosmetic bug as traffic was working as tagged. When bridge-domain is configured with tagged interface, show command show it as untagged.		

Parent Defect ID:	SLXOS-66305	Issue ID:	SLXOS-66802
Severity:	S2 - Major		
Product:	SLX-OS	Reported in Release:	SLXOS 20.3.4
Technology Group:	Other	Technology:	Other
Symptom:	In 9640, other unrelated 1G ports go down when one particular 1G		
	port is reseated.		
Condition:	In 9640, for example, if ports 0/13, 0/14, 0/16, 0/17 have 1G optics and are UP, and when 0/13 optic is reseated, 0/14 and 0/16 also go down.		

Parent Defect ID: SLXOS-66829	Issue ID:	SLXOS-66836
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Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.3j
Technology Group:	Layer 2 Switching	Technology:	Other
Symptom:	Switch does not allow new tag-type or TPID to be configured.		
Condition:	While trying to configure a new tag-type the node throws an error -		
	Exceeded the system max on how many different Tag Type can be		
	configured.		

Parent Defect ID:	SLXOS-66826	Issue ID:	SLXOS-66850
Severity:	S2 - Major		
Product:	SLX-OS	Reported in Release:	SLXOS 20.3.2fa
Technology Group:	Layer 3	Technology:	BFD - BiDirectional
	Routing/Network		Forwarding
	Layer		Detection
Symptom:	BFD session state mismatch between SLX and neighbor.		
Condition:	In SLX-9740,during BFD sessions bringup.		

Parent Defect ID:	SLXOS-66426	Issue ID:	SLXOS-66859
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLXOS 20.3.4
Technology Group:	Layer 2 Switching	Technology:	VLAN - Virtual LAN
Symptom:	'show interface <phy p<="" th=""><th>o> switchport' output h</th><th>as incorrect Active</th></phy>	o> switchport' output h	as incorrect Active
	VLANs after a VLAN is r	removed from the interfa	ace.
Condition:	When a Vlan is added on to an interface in the order 'switchport trunk native-vlan <vlan-id>' and 'switchport trunk allowed vlan add <vlan-id>', due to cleanup issue, even after removing the vlan using 'switchport trunk allowed vlan remove <vlan-id>', vlan is still showing up in 'show interface <phy po=""> switchport' output and also in LIF output associated to vlan.</phy></vlan-id></vlan-id></vlan-id>		

Parent Defect ID:	SLXOS-66893	Issue ID:	SLXOS-66940
Severity:	S2 - Major		
Product:	SLX-OS	Reported in Release:	SLXOS 20.3.2fa
Technology Group:	Layer 3	Technology:	BFD - BiDirectional
	Routing/Network		Forwarding
	Layer		Detection
Symptom:	BFD Sessions enabled stays down.		
Condition:	In SLX-9250/SLX-9150/SLX-8720, BFD Sessions over CEP interface		
	enabled with "bfd-soft	ware-session".	

Parent Defect ID:	SLXOS-67323	Issue ID:	SLXOS-67333
Severity:	S2 - Major		
Product:	SLX-OS	Reported in Release:	SLXOS 20.4.1

Technology Group:	Layer 3	Technology:	VRRPv2 - Virtual
	Routing/Network		Router Redundancy
	Layer		Protocol Version 2
Symptom:	TCP packets received from a VxLAN tunnel maybe copied to CPU and		
	forwarded as duplicate packets to host.		
Condition:	When a specific TCP packet with the Acknowledgement number		
	matches with a certain pattern, the packet maybe incorrectly copied		
	to CPU and forwarded	as duplicate packet to e	nd host.

Parent Defect ID:	SLXOS-67007	Issue ID:	SLXOS-67379
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLXOS 20.3.2fa
Technology Group:	Layer 3	Technology:	ARP - Address
	Routing/Network		Resolution Protocol
	Layer		
Symptom:	Some of the BFD sessions are going down		
Condition:	SRIOV ports are connected with a Leaf pair in Active-Standby mode.		
	When the port connected to active SRIOV is shutdown, some of the		
	BFD sessions go down.		

Parent Defect ID:	SLXOS-67430	Issue ID:	SLXOS-67640
Severity:	S2 - Major		
Product:	SLX-OS	Reported in Release:	SLXOS 20.3.2
Technology Group:	Traffic Management	Technology:	QoS - Quality of
			Service
Symptom:	When IGMP packets are received at high rate via VXLAN tunnel, OSPF		
	sessions may flap.		
Condition:	When IGMP packets are received at high rate via VXLAN tunnel.		

Parent Defect ID:	SLXOS-66927	Issue ID:	SLXOS-67670
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLXOS 20.3.4
Technology Group:	Monitoring	Technology:	OAM - Operations,
			Admin &
			Maintenance
Symptom:	SLX 9540/9640 does not reply with DMR pkts when CFM y.1731 DMM		
	pkts are received from other devices.		
Condition:	SLX 9540/9640 does not reply with DMR response when CFM y.1731		
	DMM pkts are received	I from other devices.	

Parent Defect ID:	SLXOS-67528	Issue ID:	SLXOS-67676
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLXOS 20.3.2d

Technology Group:	Layer 2 Switching	Technology:	MCT - Multi-Chassis
			Trunking
Symptom:	May encounter continuous Tx Discard count increment on Ports.		
Condition:	Reported behavior spe	cific to MCT-ICL ports on	SLX Leaf switch.

Parent Defect ID:	SLXOS-67588	Issue ID:	SLXOS-67765
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLXOS 20.3.4ab
Technology Group:	Layer 2 Switching	Technology:	MCT - Multi-Chassis
			Trunking
Symptom:	May encounter continuous Tx Discard count increment on Ports.		
Condition:	Reported behavior spe	cific to MCT-ICL ports on	SLX Leaf switch.

Parent Defect ID:	SLXOS-67934	Issue ID:	SLXOS-67946
Severity:	S2 - Major		
Product:	SLX-OS	Reported in Release:	SLXOS 20.4.1b
Technology Group:	Management	Technology:	Other
Symptom:	Upon the boot up of SLX, system persists directory file		
	/TPVM/tpvm_disk_poo	ol/	
Condition:	When "write erase all" issued without issuing command, "tpvm		
	uninstall force"		

Parent Defect ID:	SLXOS-67995	Issue ID:	SLXOS-68182
Severity:	S3 - Moderate		
Product:	SLX-OS	Reported in Release:	SLXOS 20.4.1
Technology Group:	Layer 3	Technology:	BGP4 - IPv4 Border
	Routing/Network		Gateway Protocol
	Layer		
Symptom:	BGP EVPN MH AD-per-EVI route incorrectly setting VNI value to 0		
	rather than global value		
Condition:	For BGP EVPN MH, when generated AD-per-EVI route contains VNI		
	field in the NLRI		

Defects Closed without Code Changes

The following software defects were closed in 20.4.2b without code changes as of January 2023.

Parent Defect ID:	SLXOS-68058	Issue ID:	SLXOS-69705
Reason Code:	Already Implemented	Severity:	S3 - Moderate
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.3j
Technology Group:	Management	Technology:	CLI - Command Line
			Interface
Symptom:	SLX reloads when 'show media' command is executed		
Condition:	On 'show media' command execution when some SFPs are plugged		
	in.		

The following software defects were closed in 20.4.2a without code changes as of October 2022.

Parent Defect ID:	SLXOS-67978	Issue ID:	SLXOS-68318
Reason Code:	Insufficient	Severity:	S3 - Moderate
	Information		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.3ab
Technology Group:	Layer 3	Technology:	Other
	Routing/Network		
	Layer		
Symptom:	Reload is seen in Fibagt module.		
Condition:	1 million BGP routes are advertised and withdrawn in a loop with a		
	gap of 5 seconds in be	tween.	

Parent Defect ID:	SLXOS-67965	Issue ID:	SLXOS-68682
Reason Code:	Not Reproducible	Severity:	S2 - Major
Product:	SLX-OS	Reported in Release:	SLXOS 20.4.2
Technology Group:	Monitoring	Technology:	RAS - Reliability,
			Availability, and
			Serviceability
Symptom:	Dcmd core file will be generated and system will boot up.		
Condition:	When support save is started if there is a network connectivity issue		
	and file transfer takes a	a very long time.	

The following software defects were closed in 20.4.2 without code changes as of September 2022.

Parent Defect ID:	SLXOS-63118	Issue ID:	SLXOS-63118
Reason Code:	Not Reproducible	Severity:	S2 - Major
Product:	SLX-OS	Reported in Release:	SLXOS 20.3.4
Technology Group:	Other	Technology:	Other
Symptom:	· ·	of 8520-48XT and 8520-4 They are connected to Sp	•
Condition:	When OIR is done on 8	520-48XT or 8520-48Y d	evices.

Workaround: Remov	e and configure the breakout config or reload the device.
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Parent Defect ID:	SLXOS-66291	Issue ID:	SLXOS-66291
Reason Code:	Working as Designed	Severity:	S2 - Major
Product:	SLX-OS	Reported in Release:	SLXOS 20.4.1
Technology Group:	Layer 3	Technology:	BGP4 - IPv4 Border
	Routing/Network		Gateway Protocol
	Layer		
Symptom:	Peer group command not accepted under router bgp user vrf		
Condition:	While trying to add pee	er group for BGP under	user vrf.

Parent Defect ID:	SLXOS-66494	Issue ID:	SLXOS-66494
Reason Code:	Not a Software	Severity:	S1 - Critical
	Defect		
Product:	SLX-OS	Reported in Release:	SLXOS 20.4.1
Technology Group:	Other	Technology:	Other
Symptom:	With FEC mode RS-FEC/FC-FEC configuration, the link is not coming		
	up.		
Condition:	When configuring the "no shutdown" on the port, with FEC mode as		
	RS-FEC /FC-FEC.		

Parent Defect ID:	SLXOS-66686	Issue ID:	SLXOS-66686
Reason Code:	Already Implemented	Severity:	S3 - Moderate
Product:	SLX-OS	Reported in Release:	SLXOS 20.4.1
Technology Group:	Other	Technology:	Other
Symptom:	"show efa status" is not getting the status from EFA and throwing the		
	error		
Condition:	While doing multiple EFA upgrade without "no efa deploy", "show efa		
	status" is not getting the status from EFA		
Workaround:	Execute "no efa deploy" before doing the "efa deploy" on the node		
	with already EFA deployed.		

Parent Defect ID:	SLXOS-67955	Issue ID:	SLXOS-67955
Reason Code:	Question Answered	Severity:	S2 - Major
Product:	SLX-OS	Reported in Release:	SLXOS 20.4.2
Technology Group:	MPLS	Technology:	MPLS Traffic
			Engineering
Symptom:	LSP is not coming up between MLX and SLX devices.		
Condition:	SLX MPLS TE is not able to find link between MLX and SLX. Also seeing		
	the delay on hello packets.		