

December 2020



Extreme SLX-OS 20.2.2a

Release Notes

Supporting ExtremeRouting and ExtremeSwitching
SLX 9740, SLX 9640, SLX 9540, SLX 9150, and SLX 9250

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Document History

Version	Summary of changes	Publication date
1.0	Initial version for 20.2.2a	November 2020
2.0	To update the defects list Updated FEC mode configuration section	December 2020

Preface

Getting Help

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- A description of any actions already taken to resolve the problem
- A description of your network environment (such as layout, cable type, other relevant environmental information)
- Network load at the time of trouble (if known)
- The device history (for example, if you have returned the device before, or if this is a recurring problem)
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- Content errors, or confusing or conflicting information
- Improvements that would help you find relevant information in the document
- Broken links or usability issues

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- Email us at documentation@extremenetworks.com.

Provide the publication title, part number, and as much detail as possible, including the topic heading and page number if applicable, as well as your suggestions for improvement.

Release Overview

Release SLX-OS 20.2.2a provides the following features:

- Filter support for Fragmented and Non-Fragmented IPv4 and IPv6 packets through ACLs.
- Enable/disable SLX-OS configuration persistence across reboots.
- Resilient Hashing to ensure minimal disruption to traffic flow in case of a member link addition or failure in an LAG.
- ACL mirroring on port channel and VE (virtual ethernet) interfaces.
- Redundant Management Interface to provide fault resistant management access path to devices.
- Feature parity for the SLX 9740 with the 20.2.2a release software, with exceptions as described in [Limitations and Restrictions](#)
- Additional new features are described in [Software Features](#)

Behavior Changes

System Feature	Behavior Change
Auto-persistence Configuration Knob	All configurations are automatically preserved across reboot. The copy running-config startup-config command is used to take a backup of the configuration. This backup configuration is used only if the running-config 'database' becomes unusable for any reason. On execution of command "auto-persistence disable" the auto persistency of configuration get disabled and on reboot switch will come up with configuration present in startup database.
BGP Prefix-Independent-Convergence	After enabling or disabling the feature, user needs to do 'clear ip route all' for all the VRFs where BGP is enabled.

Software Features

The following key software features are added in the SLX-OS 20.2.2 release.

Feature Name	Supported SLX Platforms	Description
Resilient hashing	SLX 9150, SLX 9250 and SLX 9740	Resilient Hashing (RH) is a L3 forwarding feature which ensures minimal disruption to existing traffic flows in case of link failure or addition.
BFD over VXLAN/MCT	All Platforms	Traffic destined to host behind CCEP gets distributed to the corresponding LIF depending on the bridge domain ID, inner VLAN and outer VLAN.
Support fragment match on ACL	SLX 9540, SLX 9640 and SLX 9740	An access-list (ACL) is a collection of filters which define the action to take on packets which match the configured parameters in the filter. There are multiple matching criteria already supported in L3 ACL. This requirement is to filter traffic with IPv4

Feature Name	Supported SLX Platforms	Description
		/IPv6 fragmented and IPv4/IPv6 unfragmented packets in this release.
Dual management port Redundancy also known as Dual Management Interface introduced on 9740	SLX 9150, SLX 9250 and SLX 9740	This feature utilizes one of front panel port in Inband mode as redundant path for OOB Management Interface purposes. Valid for both SLX OS and TPVM.
Port channel and Virtual Ethernet interface mirroring with ACL support	SLX 9150, SLX 9250 and SLX 9740	In earlier releases, ACL based mirroring was supported only on physical ports as source ports. In this release, this has been extended to allow users to configure port-channel interfaces and VE as source for ACL based mirroring.
Heartbeat mechanism between SLX and EFA	All Platforms	This feature is for EFA to keep track of switch liveness. If switch misses heartbeat (in form of Netconf RPC) for a threshold amount of time then it will execute the configured action.
Auto Persistent (Startup DB) Configuration Knob	All Platforms	On execution of the “auto-persistence disable” command, SLX-OS configuration will no longer be persistent when the device reboots. The switch, on reboot, will come up with the configurations present in the startup database.
Static BFD Feature	All Platforms	The feature enables support for monitoring IPv4 and IPv6 static routes through BFD.
VEoVPLS Feature	SLX 9540, SLX 9640 and SLX 9740	VE over VPLS routes packets between the VPLS VE interface and all other IP interfaces outside of VPLS domain which reside on the Provider Edge (PE)
PFC and ECN support	SLX 9150, SLX 9250	PFC and ECN support is for traffic congestion management and are needed features for RoCE v2.

CLI Commands

New commands

1. Resilient Hashing

1.1. User VRF Case


```
R1(config-vrf-vrf2)# do show run vrf vrf2
vrf vrf2
  resilient-hash ecmp enable
  resilient-hash max-path <8|16|64>
  address-family ipv4 unicast
  !
address-family ipv6 unicast
!
```

1.1. Default VRF case

```
R1(config)# do show run resilient-hash
resilient-hash ecmp enable
resilient-hash max-path <8|16|64>
```

2. Startup database

2.1. Display startup database

```
SLX# show startup-database
```

3. Heartbeat Manager

3.1) Config CLIs

```
SLX(config)# management-heartbeat manager
SLX(config-heartbeat-manager)# ?
Possible completions:
  action          Action taken by switch on expiration of threshold time
  describe        Display transparent command information do Run an
operational-mode command
  enable          Enable manageability heartbeat in admin up state
  exit            Exit from current mode
  help            Provide help information
  no              Negate a command or set its defaults
  pwd             Display current mode path
  threshold-timer Threshold timer for heartbeat miss
  top             Exit to top level and optionally run command
SLX(config-heartbeat-manager)#
```

3.2 Show commands

```
SLX# show management-heartbeat manager
Admin state: up
Operational state: up
Threshold time: 30 minutes
Action: Maintenance mode enable
Time to last heartbeat: 4 minutes
SLX#
```

4. Priority Flow control

4.1. QOS profile for PFC support

```
SLX(config)# hardware
```

```
SLX(config-hardware)# profile qos ?
Possible completions:
  lossless    set qos hardware lossless profile
  lossy       set qos hardware lossy profile
```

4.2. Enable/Disable PFC on an interface

```
[no] qos flowcontrol pfc <TC#> tx [on|off] rx [on|off]
```

5. Streaming Telemetry (a.k.a. OperDB Project)

```
SLX(config)# operational-state syncup enable ?
Possible completions:
  all          Enable oper db syncup for all modules
  bgp         Enable oper db syncup for bgp
  interface   Enable oper db syncup for interface
  platform    Enable platform specific oper db syncup
SLX(config)# operational-state syncup enable
```

Modified commands

1. Feature - Port channel mirroring with ACL support:

```
SLX(config)# acl-mirror source ethernet | port-channel <port channel
number> | ve <VE number> destination ethernet | port-channel
```

2. Feature - Support fragment match on ACL:

```
SLX(conf-ipacl-ext)#deny | permit ip-protocol source-ip | hostname
wildcard [ operator source-tcp/udp-port ] destination-ip | hostname [
icmp-type | num ] wildcard [ operator destination-tcp/udp-port ] [
precedence name | num ] [ tos name | num ] [ fragment ] | [ non-fragmented
]
```

3. Feature – Static BFD:

```
no ipv6 route static bfd dest-ipv6-address source-ipv6-address [
interface-type interface-name ] [ interval transmit-time min-rx receive-
time multiplier number ]
```

Parameters

dest-ipv6-address	Specifies the IPv6 address of BFD neighbor.
source-ipv6-address	Specifies the source IPv6 address.
interface-type	The type of interface, such as Ethernet or VE.
interface-name	The interface number or VLAN ID.
Interval transmit-time	Specifies the interval, in milliseconds, a device waits to send a control packet to BFD peers. Valid values range from 50 through 30,000 milliseconds. The default is 300 milliseconds.
min-rx receive-time	Specifies the interval, in milliseconds, a device waits to receive a control packet from BFD peers. Valid values range from 50 through 30,000 milliseconds. The default is 300 milliseconds.

multiplier number	Specifies the number of consecutive BFD control packets that can be missed from a BFD peer before BFD determines that the connection to that peer is not operational. Valid values range from 3 through 50. The default is 3.
-------------------	---

Usage Guidelines

```
no ipv6 route static bfd dest-ipv6-address source-ipv6-
address [ interface-type interface-name ]
```

Use the no form of this command without interval parameters to remove the configured BFD IPv6 static sessions.

```
no ipv6 route static bfd dest-ipv6-address source-ipv6-
address [ interface-type interface-name ] [ interval
transmit-time min-rx receive-time multiplier number ]
```

Use no form of the command with interval parameter to revert the interval to the default values.

The transmit-time and receive-time variables are the intervals needed by the local device. The actual values in use will be the negotiated values.

For single-hop static BFD sessions, the interval value is taken from the outgoing interface. For multi-hop BFD sessions, if the configured interval and min-rx parameters conflict with those of an existing session, the lower values are used.

For IPv6 static BFD sessions, if the BFD neighbor is link-local, the source IPv6 address must also be linklocal.

If an IPv6 BFD session is running for a link-local BFD neighbor, the interface-type and interface-name parameters are mandatory because the link-local address can be the same on multiple interfaces

4. Feature – Explicit Congestion Notification

4.1. Enabling ECN in RED profile

```
[no] qos red-profile <Profile#> min-threshold <DropStart%>
max-threshold <DropEnd%> drop-probability <MaxDropRate%>
[ecn <on|off>]
```

4.2. To show the red-profile and the ECN status

```
SLX(conf-if-eth-0/1)# do show qos red profiles 1
Red Profile 1
  Minimum Threshold: 10
  Maximum Threshold: 50
  Drop Probability: 100
  ECN: On
```

```
Activated on the following interfaces:
Eth 0/1 traffic-class: 0 drop-precedence: 03
```

4.3. To show the per-port ECN marked statistics

```
SLX# show qos red statistics interface eth 0/1
Statistics for interface: Eth 0/1
  Port Statistics:
    Packets Dropped: 147, Queue Full Drops: 222,
ECN Marked: 234
```

5. Feature - Priority Flow Control

```
SLX# show qos flowcontrol stats int eth 0/1
Interface Ethernet 0/1
```

	TX	RX
-----	-----	-----
PAUSE Frames:	565856	441122
PFC Pri0 Frames:	565856	441122
PFC Pri1 Frames:	565856	441122
PFC Pri2 Frames:	565856	441122
PFC Pri3 Frames:	565856	441122
PFC Pri4 Frames:	565856	441122
PFC Pri5 Frames:	565856	441122
PFC Pri6 Frames:	565856	441122
PFC Pri7 Frames:	565856	441122

Removed commands

- None

Hardware Support

Supported devices and software license

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

Supported devices	Description
BR-SLX-9540-24S-DC-F	SLX 9540-24S Switch DC with Front to Back airflow (Port-side to non-port side airflow). Supports 24x10GE/1GE + 24x1GE ports.
BR-SLX-9540-24S-AC-R	SLX 9540-24S Switch AC with Back to Front airflow (Non-port Side to port side airflow). Supports 24x10GE/1GE + 24x1GE ports.
BR-SLX-9540-24S-AC-F	SLX 9540-24S Switch AC with Front to Back airflow (Port-side to non-port side airflow). Supports 24x10GE/1GE + 24x1GE ports.
BR-SLX-9540-48S-DC-R	SLX 9540-48S Switch DC with Back to Front airflow (Non-port Side to port side airflow). Supports 48x10GE/1GE + 6x100GE/40GE. (1+1) redundant power supplies and (4+1) redundant fans included.
BR-SLX-9540-48S-DC-F	SLX 9540-48S Switch DC with Front to Back airflow (Port-side to non-port side airflow). Supports 48x10GE/1GE + 6x100GE/40GE. (1+1) redundant power supplies and (4+1) redundant fans included.
BR-SLX-9540-24S-COD-P	Upgrade 24x1GE to 24x10GE/1GE for SLX 9540
BR-SLX-9540-ADV-LIC-P	Advanced Feature License for SLX 9540
EN-SLX-9640-24S	Extreme SLX 9640-24S Router. Supports 24x10GE/1GE + 4x100GE/40GE. (24S+4C sku no Power supplies or Fans)
EN-SLX-9640-24S-12C	Extreme SLX 9640-24S Router. Supports 24x10GE/1GE + 12x100GE/40GE. (All ports 24S+12C sku with no Power supplies or Fans)
EN-SLX-9640-24S-AC-F	Extreme SLX 9640-24S Router AC with Front to Back airflow. Supports 24x10GE/1GE + 4x100GE/40GE.(1 Power supply 6 Fans)
EN-SLX-9640-24S-12C-AC-F	Extreme SLX 9640-24S Router AC with Front to Back airflow. Supports 24x10GE/1GE + 12x100GE/40GE.(1 Power supply 6 Fans)
EN-SLX-9640-4C-POD-P	Extreme SLX 9640 Ports on Demand License for 4 ports of 100GE/40GE Uplinks
EN-SLX-9640-ADV-LIC-P	Extreme SLX 9640 Advanced Feature License

Supported power supplies, fans, and rack mount kits for the SLX 9740

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

Supported optics and cables

For a complete list of all supported optics for the SLX 9740, see **Extreme Optics** at <https://optics.extremenetworks.com/>.

Supported FEC modes

SLX 9250

Port Type	Media Type	Default FEC Mode	Supported FEC Modes
100G	100G Passive DAC	RS-FEC	RS-FEC Disabled
100G	100G SR4	RS-FEC	RS-FEC Disabled
100G	100G LR4	Disabled	RS-FEC Disabled
25G	100G Passive DAC breakout to 4 x 25G	FC-FEC	FC-FEC RS-FEC Auto-Neg * Disabled

**** Auto neg functionality is not supported in this release***

Port Type	Media Type	Default FEC Mode	Supported FEC Modes
100G	100G Passive DAC	RS-FEC	RS-FEC Disabled
100G	100G SR4	RS-FEC	RS-FEC Disabled
100G	100G LR4	Disabled	RS-FEC Disabled
25G **	100G Passive DAC breakout to 4 x 25G	FC-FEC	FC-FEC Disabled

**** RS-FEC for 25G is not supported on 9740 Platform.**

Software Download and Upgrade

For more information about the various methods of upgrading to SLX-OS 20.2.2a, see the *Extreme SLX-OS Software Upgrade Guide*.

Image files

Download the following images from www.extremenetworks.com.

Image file name	Description
slxos20.2.2a.tar.gz	SLX-OS 20.2.2a software
slxos20.2.2a_mibs.tar.gz	SLX-OS 20.2.2a MIBS
slxos20.2.2a.md5	SLX-OS 20.2.2a md5 checksum
slxos20.2.2a-digests.tar.gz	SLX-OS 20.2.2a sha checksum
slxos-20.2.2a-releasenotes.pdf	Release Notes

SLX 9740

To	20.2.2a
From	
20.2.1a	Use the normal FWDL
20.2.2	Use the normal FWDL

SLX 9540 and SLX 9640

To	20.2.2a
From	
18r.2.00bc	For SLX 9540: 1. First upgrade to 20.1.2e using fullinstall. 2. Then upgrade to 20.2.2a using fullinstall. For SLX 9640: Use fullinstall.
20.1.1	For SLX 9540: 1. First upgrade to 20.1.2e using fullinstall. 2. Then upgrade to 20.2.2a using fullinstall. For SLX 9640: Use fullinstall.
20.2.1a	Use the normal FWDL
20.2.2	Use the normal FWDL

Notes:

- When upgrading from the 18r.1.00x and 18r.2.00a and earlier patches, upgrade first to 18r.2.00bx and then to 20.2.2a, 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.
- Downgrading from 20.2.2x to 20.1.1 requires 'fullinstall' option for all platforms due to a change in *glibc*
- Downgrading from 20.2.2x to 20.1.1 may not require a 2 step procedure.

SLX 9150 and SLX 9250

From \ To	20.2.2a
20.1.1	Use the normal FWDL
20.1.2x	Use the normal FWDL
20.2.1a	Use the normal FWDL
20.2.1	Use the normal FWDL
20.2.2	Use the normal FWDL

SLX TPVM Support Matrix for 9150 and 9250

SLX Build	TPVM – Fresh Install Supported	EFA
20.2.2	TPVM-4.1.1	EFA-2.3
20.2.2a	TPVM-4.1.2	EFA-2.3.x

Upgrading TPVM from 3.0. or 4.0.x to 4.1.x

Consider the following when upgrading TPVM from 20.1.2x to 20.2.2/x

- SLX-OS 20.2.2/x has TPVM 4.1.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, take the following steps:
 - Upgrade to SLX-OS 20.2.2/x with existing TPVM continue to run
 - Remove existing TPVM using the **tpvm stop** and **tpvm uninstall** commands.
 - Copy the new `tpvm-4.1.x-0.amd64.deb` to `/tftpboot/SWBD2900` on the SLX device.
 - Install TPVM 4.1.x using the **tpvm install** or **tpvm deploy** command.
 - Note that any additional TPVM disks, including vdb (implicitly created by TPVM 3.0.0/4.0.x), are preserved with data during the previous steps.
 - 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`.

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, as a best practice make a backup and then delete the old disks. Use the **tpvm disk remove name <disk name>** command, 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 **tpvm deploy** command.

Alternatively, after the 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.

TPVM Data is automatically backed up in SLX while doing “**tpvm stop**” and restored during the next “**tpvm start**”. 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.

Note: TPVM backup takes only database backup and not application backup

Limitations and Restrictions

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

FEC mode configuration

- Auto Negotiation on 25gig DAC cable for SLX-9150/SLX-9250 is not supported
- The **no fec mode** configuration commands are not supported, users will not be able to go the default FEC mode due to this limitation, users can do explicit FEC configuration
- The Default FEC Mode on 25G Breakout port with 100G SR Extreme Qualified Optics is shown as “Disabled”, internally the FEC is enabled as FC-FEC (Refer defect disclosure for SLXOS-55483)
- On Reload, the FEC mode on 25G Breakout port in SLX 9250 will display as Auto-Neg if the link is in down state. If the link is in upstate, then proper FEC mode will be displayed (Refer defect disclosure for SLXOS-55497)

- Default FEC mode on 100G ports for all platforms (SLX 9740, SLX 9640, SLX 9540, SLX 9150, and SLX 9250) is RS-FEC for DAC and SR4 Links.
- Default FEC mode on 100G ports for all platforms (SLX 9740, SLX 9640, SLX 9540, SLX 9150, and SLX 9250) is Disabled for LR4 Links.

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

- Tag-type is supported for SLX 9740. The default TPID and one more TPID are allowed.
- Sflow sampling is not working for VLL when BUM rate limiting is applied on interface in SLX9740
- Sflow sample traffic to CPU is rate-limited. You can use the **qos cpu slot** command to change the rate.
- The **show running ip prefix-list <name>** command can take a long time to complete in a scaled prefix-list configuration.
- 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, BDF sessions in unrelated VRFs will not be affected.**

Open Config Telemetry Support

- Secure channel (TLS) to access OperDB is not supported
- 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

Open Defects

Parent Defect ID:	SLXOS-42488	Issue ID:	SLXOS-42488
Severity:	S3 - Medium		
Product:	SLX-OS	Reported in Release:	SLXOS 20.1.1
Technology Group:	Other	Technology:	Other
Symptom:	"show running-config ip prefix-list <list-name>" on specific prefix-list sometimes doesn't work		
Condition:	issue is observed during highly scaled scale prefix-list configurations		
Workaround:	use show running-config ip prefix-list show running-config show running-config ip prefix-list include <prefix-list-name>		

Parent Defect ID:	SLXOS-43141	Issue ID:	SLXOS-43141
Severity:	S3 - Medium		
Product:	SLX-OS	Reported in Release:	SLXOS 18r.2.00a
Technology Group:	Other	Technology:	Other
Symptom:	TRCE-5006 RASLOG has been observed		
Condition:	During the reload		

Parent Defect ID:	SLXOS-43341	Issue ID:	SLXOS-43341
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.1.1
Technology Group:	Management	Technology:	Other
Symptom:	Rollback operation fails.		
Condition:	Rollback checkpoint has 'standard' ACL and running-config has 'extended' ACL (vice versa) with same name and applied to the same interfaces.		
Workaround:	Avoid using same name for standard and extended ACLs		
Recovery:	Manually configure ACLs and its application on interfaces		

Parent Defect ID:	SLXOS-43527	Issue ID:	SLXOS-43527
Severity:	S3 - Medium		
Product:	SLX-OS	Reported in Release:	SLXOS 18r.2.00
Technology Group:	Management	Technology:	CLI - Command Line Interface
Symptom:	"nssa no-redistribution" and "nssa translator-always" commands does not show up		
Condition:	When trying to configure "nssa no-redistribution" and "nssa translator-always"		

Parent Defect ID:	SLXOS-44973	Issue ID:	SLXOS-44973
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.1.1
Technology Group:	IP Multicast	Technology:	Other
Symptom:	The node forwards the traffic on PIM SG-RPT prune received port which causes double traffic at the receiver.		
Condition:	<ol style="list-style-type: none"> 1. RP and Source should be reachable in different paths from LHR. 2. The node should not have any PIM snooping (S,G) entry or IGMP version-3 entry in the corresponding VLAN, when it receives PIM SG-RPT prune. 3. The issue node should not have any local receivers for this group. 		
Workaround:	Adding a local receiver to the node in question (i.e. the node that is forwarding traffic on PIM SG-RPT prune received port) will avoid it sending traffic to the LHR. Therefore double traffic will be avoided at the receiver		

Parent Defect ID:	SLXOS-45474	Issue ID:	SLXOS-45474
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.1.1
Technology Group:	Traffic Management	Technology:	Traffic Queueing and Scheduling
Symptom:	In some cases mcast drops are observed based on pkt size and number of replications.		
Condition:	Mcast drops will be observed when mcast traffic is sent with more replications along with unicast traffic.		
Workaround:	<p>There is no traffic loss observed with following below numbers.</p> <p>1 G link Egress (with 40% Unicast traffic) 48 OIFs (6 S,G's and 8 vlans (hosts) per S,G) without seeing loss.</p> <p>10 G link Ingress/Egress (with 40% Unicast traffic) 54 vlan with 6 (S,G) Multicast groups per vlan</p> <p>100G link Ingress/10G Egress (with 40% Unicast traffic) 42 vlan with 6 (S,G) Multicast groups per vlan</p>		

Parent Defect ID:	SLXOS-46252	Issue ID:	SLXOS-46252
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.1.1
Technology Group:	MPLS	Technology:	MPLS VPLS - Virtual Private LAN Services
Symptom:	PW preferential Status may not display the correct role and match with DF role of bridge-domain in MCT VPLS scenario on SLX9540 platform		
Condition:	This may occur when there are many flaps for VPLS and MCT		

Workaround:	Remove and re-add configuration of bridge-domain or Remove and re-add bridge-domain from MCT member bridge-domain configuration
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Parent Defect ID:	SLXOS-46276	Issue ID:	SLXOS-46276
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.1.1
Technology Group:	Layer 3 Routing/Network Layer	Technology:	BGP4 - IPv4 Border Gateway Protocol
Symptom:	The remote end tunnel retains old VTEP IP when VTEP IP is changed at the local end		
Condition:	When tunnel VTEP IP is changed locally, some of the evpn IMR routes for old VTEP IP are not withdrawn. Hence old tunnel exists at remote end.		
Workaround:	When VTEP IP is modified, please issue "clear bgp evpn neighbor all"		

Parent Defect ID:	SLXOS-46419	Issue ID:	SLXOS-46419
Severity:	S3 - Medium		
Product:	SLX-OS	Reported in Release:	SLXOS 20.1.1
Technology Group:	Monitoring	Technology:	Port Mirroring
Symptom:	QoS service-policy configuration is not allowed on a mirror destination port-channel.		
Condition:	Configure a port-channel as mirror destination and configure a service-policy under this port-channel.		
Workaround:	Remove mirror configuration and add service-policy under this port-channel. Reconfigure mirror session with this port-channel as mirror destination.		

Parent Defect ID:	SLXOS-46939	Issue ID:	SLXOS-46939
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.1.1
Technology Group:	IP Multicast	Technology:	PIM - Protocol- Independent Multicast
Symptom:	PIMoMCT : traffic loss may be seen for some of the Outgoing interfaces (OIF's) when 126 pim oif's are present		
Condition:	issue is seen with scaled deployment of PIM over MCT : traffic loss may be seen for some of the OIF's when 126 pim oif's are present		
Workaround:	configure less than 126 outgoing interfaces while using PIM Multicast with MCT		
Recovery:	configure less than 126 oif		

Parent Defect ID:	SLXOS-47472	Issue ID:	SLXOS-47472
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.1.1
Technology Group:	Layer 2 Switching	Technology:	VLAN - Virtual LAN
Symptom:	Mac addresses age out earlier than the configured mac aging time		
Condition:	Mac address ages out 20% earlier than the configured age time in the system.		
Workaround:	Configuring mac address aging time more than 20% of planned mac address age out time adjust the deviation of early aging cycle.		

Parent Defect ID:	SLXOS-47644	Issue ID:	SLXOS-47644
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.1.1
Technology Group:	Security	Technology:	ACLs - Access Control Lists
Symptom:	OSPF neighbourship doesn't go down after applying IP ACL on the interface		
Condition:	Applying IP ACL after OSPF neighbourship up.		
Workaround:	Clear OSPF neighbourship after IP ACL applied.		

Parent Defect ID:	SLXOS-48599	Issue ID:	SLXOS-48599
Severity:	S3 - Medium		
Product:	SLX-OS	Reported in Release:	SLXOS 20.1.2
Technology Group:	Layer 2 Switching	Technology:	LAG - Link Aggregation Group
Symptom:	L2 traffic convergence takes more than sub-second convergence time during CCEP Port Channel Shut/no shut scenario when CCEP is multi-port port-channel		
Condition:	This issue will be observed only when we have more than 3 member ports in a CCEP port-channel interface, a scaled up VLAN configuration and user triggered events like Port-channel shut and no-shut are triggered.		

Parent Defect ID:	SLXOS-49091	Issue ID:	SLXOS-49091
Severity:	S3 - Medium		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.1
Technology Group:	Traffic Management	Technology:	QoS - Quality of Service
Symptom:	Clear VoQ stats command does not clear the counters on SLX-9740		
Condition:	Happens in all conditions.		

Parent Defect ID:	SLXOS-49440	Issue ID:	SLXOS-49440
Severity:	S3 - Medium		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.1

Technology Group:	Traffic Management	Technology:	Traffic Queueing and Scheduling
Symptom:	Traffic Manager Virtual output queue statistics are not getting updated		
Condition:	Show command doesn't update the value - " show tm voq-stat ingress-device ethernet 0/75 egress-port ethernet 0/51:3"		
Workaround:	Check TM stats, for traffic related stats update.		

Parent Defect ID:	SLXOS-49668	Issue ID:	SLXOS-49668
Severity:	S3 - Medium		
Product:	SLX-OS	Reported in Release:	SLXOS 18r.1.00ca
Technology Group:	Monitoring	Technology:	RAS - Reliability, Availability, and Serviceability
Symptom:	show audit log displays single log		
Condition:	Rare scenario, when audit log file got corrupted		

Parent Defect ID:	SLXOS-50020	Issue ID:	SLXOS-50020
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.1.2
Technology Group:	Layer 2 Switching	Technology:	MCT - Multi-Chassis Trunking
Symptom:	Some of the ND entries learned from normal leaf may have MACs unresolved on border leaf switches in Centralized routing deployments.		
Condition:	When a MAC is moved from EVPN to local MCT node, the mac is stuck as CCR on MCT and the mac didn't get advertised to BGP.		
Recovery:	One of the following actions would help recover the situation on MCT, so that the MAC gets advertised over BGP to border leaf. -Cluster Client Edge Port (CCEP) shut/no-shut -clear mac dynamic <vlan>		

Parent Defect ID:	SLXOS-50117	Issue ID:	SLXOS-50117
Severity:	S3 - Medium		
Product:	SLX-OS	Reported in Release:	SLXOS 20.1.2
Technology Group:	Layer 3 Routing/Network Layer	Technology:	OSPF - IPv4 Open Shortest Path First
Symptom:	When multiple summary addresses with same prefix but different subnets are configured and unconfigured, one summary route is not removed in the system		

Condition:	Multiple summary addresses with same prefix but different subnets should be configured. Check the aggregated summary routes. Then unconfigure all the summary routes, and user will observe One aggregate route is still present in the system.
Recovery:	unconfigure and reconfigure ospf will help recover

Parent Defect ID:	SLXOS-50687	Issue ID:	SLXOS-50687
Severity:	S3 - Medium		
Product:	SLX-OS	Reported in Release:	SLXOS 18r.2.00a
Technology Group:	Layer 3 Routing/Network Layer	Technology:	IP Addressing
Symptom:	SLX silently drops traffic		
Condition:	<ol style="list-style-type: none"> 1. SLX has two VEs (say ve-41 & ve-51) to which two devices are connected (say CISCO devices) and say the destination IP is reachable on a third VE. 2. ping to a destination on a third VE. 		

Parent Defect ID:	SLXOS-50693	Issue ID:	SLXOS-50693
Severity:	S2 - High		
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-48753	Issue ID:	SLXOS-50786
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.1.2
Technology Group:	Layer 3 Routing/Network Layer	Technology:	Other
Symptom:	On SLX 9540/ SLX 9640, In scaled multicast deployments, traffic loss might be observed due to invalid next-hop entry in hardware after repeated interface disable/enable operation.		
Condition:	When disabling/enabling VE interfaces multiple times using a script over night with full Internet routes (~800K routes) and multicast routes (4000+ multicast cache entries) in the system.		
Workaround:	Disable and enable the interface with a delay of 10 sec for medium scale environment.		

Parent Defect ID:	SLXOS-50806	Issue ID:	SLXOS-50806
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 18r.1.00aa
Technology Group:	Layer 2 Switching	Technology:	Other
Symptom:	MAC address learning gets delayed by 30 mins on ACs of bridge-domain		
Condition:	<ol style="list-style-type: none"> 1. SLX is receiving L2 traffic on of the attachment circuit of a bridge-domain 2. clear the MAC 		

Parent Defect ID:	SLXOS-50873	Issue ID:	SLXOS-50873
Severity:	S3 - Medium		
Product:	SLX-OS	Reported in Release:	SLXOS 20.1.2a
Technology Group:	Security	Technology:	AAA - Authentication, Authorization, and Accounting
Symptom:	Incorrect role name is displayed in "show users" command output and audit logs.		
Condition:	Issue is seen when, <ol style="list-style-type: none"> 1. OAuth2 mode of authentication is configured on SLX device. 2. SLX device is accessed by NETCONF clients. 		

Parent Defect ID:	SLXOS-50902	Issue ID:	SLXOS-50902
Severity:	S3 - Medium		
Product:	SLX-OS	Reported in Release:	SLXOS 18r.2.00bc
Technology Group:	Layer 2 Switching	Technology:	LAG - Link Aggregation Group
Symptom:	Po flap is observed on device		
Condition:	When SKAP does not come up properly after firmware upgrade		

Parent Defect ID:	SLXOS-50960	Issue ID:	SLXOS-50960
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.1.1
Technology Group:	Management	Technology:	CLI - Command Line Interface
Symptom:	CLI Command stuck to process and unexpected reload.		
Condition:	Rare scenario to hit. When Confd and DCMD control socket timeout.		

Parent Defect ID:	SLXOS-51201	Issue ID:	SLXOS-51201
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 18r.1.00d
Technology Group:	IP Multicast	Technology:	IPv4 Multicast Routing
Symptom:	Unexpected reload		
Condition:	When processing of the high scale of timed out (S,G) entries		

Parent Defect ID:	SLXOS-50787	Issue ID:	SLXOS-51320
Severity:	S3 - Medium		
Product:	SLX-OS	Reported in Release:	SLXOS 20.1.2a
Technology Group:	Other	Technology:	Other
Symptom:	security auditlog indicates wrong role for admin user while importing/Deleting oauth2pki certificate		
Condition:	This issue occurs when user tries to import/delete oauth2pki certificate.		

Parent Defect ID:	SLXOS-51407	Issue ID:	SLXOS-51407
Severity:	S3 - Medium		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.1
Technology Group:	MPLS	Technology:	MPLS VPLS - Virtual Private LAN Services
Symptom:	VPLS statistics will not be accounted in underlying MPLS tunnel statistics		
Condition:	When both Bridge-domain statistics and MPLS ingress-tunnel-account statistics are enabled, Traffic egress in VPLS PW under the bridge-domain will not be accounted in underlying MPLS tunnel statistics in which the VPLS PW is established.		

Parent Defect ID:	SLXOS-51494	Issue ID:	SLXOS-51621
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.1
Technology Group:	Traffic Management	Technology:	QoS - Quality of Service
Symptom:	Traffic-Class-CoS Map applied on one egress interface may affect all the ports.		
Condition:	Create Traffic-Class-CoS Map and apply on an egress interface.		
Recovery:	Keep the default traffic-class-cos map, which maps 1-1 of traffic-class to egress CoS.		

Parent Defect ID:	SLXOS-51704	Issue ID:	SLXOS-51704
Severity:	S3 - Medium		
Product:	SLX-OS	Reported in Release:	SLXOS 18r.2.00b
Technology Group:	Layer 3 Routing/Network Layer	Technology:	MBGP - Multiprotocol Border Gateway Protocol
Symptom:	BGP show command -"show ip bgp summary" output would display "no Memory for Attribute Entries"		
Condition:	BGP NLRI learned from one of the BGP sessions carries a path attribute with incorrect length		

Parent Defect ID:	SLXOS-51794	Issue ID:	SLXOS-51822
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.1
Technology Group:	Traffic Management	Technology:	QoS - Quality of Service
Symptom:	Virtual output queue Statistics of Traffic manager Chip are not incrementing for priority traffic class.		
Condition:	CLI command: Traffic manager cmd "show tm voq-stat" is executed.		

Parent Defect ID:	SLXOS-51831	Issue ID:	SLXOS-51831
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 18r.1.00ca
Technology Group:	MPLS	Technology:	MPLS VPLS - Virtual Private LAN Services
Symptom:	SLX fails to learn VPLS MAC from remote PE		
Condition:	MPLS is configured with primary & bypass-path and can be observed with the flaps only in this following sequence (a) Flap on the primary path interface (b) Flap on the bypass-path interface (c) Flap on the current primary path interface		

Parent Defect ID:	SLXOS-51569	Issue ID:	SLXOS-51843
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.1
Technology Group:	Monitoring	Technology:	OAM - Operations, Admin & Maintenance
Symptom:	On 9740-80, CFM session doesn't come-up when a bridge domain (BD) is configured with logical interfaces on breakout front panel ports (in the series 0/41-80). On BD deletion, the CFM sessions are up		
Condition:	Bridge domain (BD) is configured with logical interfaces on breakout front panel ports of the series 0/41-80.		
Recovery:	Deleting the bridge domain, or unbinding the logical interface from the bridge domain recovers the issue. Otherwise, use the front panel port series 0/1-40 for BDs.		

Parent Defect ID:	SLXOS-51789	Issue ID:	SLXOS-51912
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.1.2b
Technology Group:	Layer 3 Routing/Network Layer	Technology:	BFD - BiDirectional Forwarding Detection
Symptom:	BFD sessions are flapping.		
Condition:	IP address are re-used across VRF's which have overlapping VLANs between Bridge-domain and VLAN based tenants.		

Parent Defect ID:	SLXOS-51790	Issue ID:	SLXOS-51913
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.1.2b
Technology Group:	Layer 3 Routing/Network Layer	Technology:	BFD - BiDirectional Forwarding Detection
Symptom:	BFD sessions will flap when IP address is re-used across VRFs over CEP L3 Router-port interfaces or CEP L3 Port-channel interfaces.		
Condition:	IP address is re-used across VRFs over CEP L3 Router-port interfaces or CEP L3 Port-channel interfaces.		

Parent Defect ID:	SLXOS-49454	Issue ID:	SLXOS-52076
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.1
Technology Group:	Management	Technology:	CLI - Command Line Interface
Symptom:	Sometimes, show running-config ip prefix-list <name> takes around 25 mins to display output		
Condition:	Issue is seen when the user is querying for a specific prefix-list while the device has highly scaled prefix list configuration		
Workaround:	Use "show running-config ip prefix-list" or "show ip prefix-list <name>"		

Parent Defect ID:	SLXOS-52090	Issue ID:	SLXOS-52090
Severity:	S3 - Medium		
Product:	SLX-OS	Reported in Release:	SLXOS 18r.2.00bd
Technology Group:	Layer 3 Routing/Network Layer	Technology:	MBGP - Multiprotocol Border Gateway Protocol
Symptom:	BGP command output formatting will be incorrect		
Condition:	BGP is configured to learn more than 999999 routes. BGP command: "show ip bgp route <index>" is executed, where index is greater than or equal to 1000000 (1M).		

Parent Defect ID:	SLXOS-52179	Issue ID:	SLXOS-52179
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.1a
Technology Group:	Security	Technology:	DoS (Denial of Service) protection
Symptom:	Router responds with ICMP port unreachable, for services which are disabled.		
Condition:	If the router receives messages on for Layer 4 TCP ports which are unused, then ICMP port unreachable response are sent.		
Workaround:	Use Receive Access control list to drop these packets and stop from generating these messages.		

Parent Defect ID:	SLXOS-52210	Issue ID:	SLXOS-52210
Severity:	S3 - Medium		
Product:	SLX-OS	Reported in Release:	SLXOS 18r.2.00b
Technology Group:	Layer 3 Routing/Network Layer	Technology:	BGP4 - IPv4 Border Gateway Protocol
Symptom:	May notice non-functional(display issue only) impact issue. "show ip bgp neighbors <ip_address> advertised-routes" displays additional AS number along with local AS number.		
Condition:	BGP command "neighbor <ip> remove-private-as" should be configured under interface SLX(config-bgp-router)# neighbor 10.1.1.1 remove-private-as		

Parent Defect ID:	SLXOS-52212	Issue ID:	SLXOS-52212
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.1.2b
Technology Group:	Layer 3 Routing/Network Layer	Technology:	Multi-VRF
Symptom:	Unexpected reload		
Condition:	ip import config for 2 vrfs uses route map which have identical prefix lists		

Parent Defect ID:	SLXOS-52329	Issue ID:	SLXOS-52329
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.1a
Technology Group:	IP Multicast	Technology:	IGMP - Internet Group Management Protocol
Symptom:	The IGMP querier node does not receive IGMP joins on Multicast tunnel even though there are receivers present on other LVTEP. This causes IGMP group entry expiry after the time-out.		
Condition:	<ol style="list-style-type: none"> 1. There should be MCT nodes acting as a leaf (LVTEP) and receiver should be connected to CCEP client or CEP port. 2. The MDT Rx path is on one MCT peer and MDT Tx path is on other MCT peer. 3. IGMP Query should be received on Multicast tunnel. 4. IGMP report should land on the peer which is having MDT Rx path. 		
Workaround:	If Source or Receiver is connected to one of the MCT nodes, then it is recommended to configure IGMP snooping querier for the vlan or Bridge domain on both the MCT peers.		

Parent Defect ID:	SLXOS-52504	Issue ID:	SLXOS-52504
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2
Technology Group:	Traffic Management	Technology:	QoS - Quality of Service
Symptom:	BFD packets over VxLAN tunnel will go via IP-MGMT queue instead of protocol queue.		
Condition:	BFD sessions may be impacted during CPU congestion condition.		

Parent Defect ID:	SLXOS-52506	Issue ID:	SLXOS-52506
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.1a
Technology Group:	Management	Technology:	Other
Symptom:	Netconf request to configure ip prefix-list without providing sequence number fails and returns error.		
Condition:	Issue exists only for configuration via Netconf		
Workaround:	Workaround is to provide sequence number value in the Netconf request while configuring ip prefix-list		

Parent Defect ID:	SLXOS-52561	Issue ID:	SLXOS-52561
Severity:	S3 - Medium		
Product:	SLX-OS	Reported in Release:	SLXOS 18r.1.00cg
Technology Group:	Other	Technology:	Other
Symptom:	SLX9540 stopped responding		
Condition:	HW failure		

Parent Defect ID:	SLXOS-52562	Issue ID:	SLXOS-52562
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.1.2a
Technology Group:	Security	Technology:	User Accounts & Passwords
Symptom:	Unable to login with default users after reload		
Condition:	Rare scenario when we hit the FS corruption.		
Recovery:	<ol style="list-style-type: none"> 1. If the root account is already enabled : <ol style="list-style-type: none"> a. Login with root and execute below <ol style="list-style-type: none"> i. [root@]# cp /etc/shadow.default /etc/shadow ii. [root@]# cp /etc/passwd.default /etc/passwd iii. [root@]# cp /etc/group.default /etc/group 2. If the root account is not enabled, 		

	<ul style="list-style-type: none"> a. First recover the root account and execute the below steps i. [root@]# cp /etc/shadow.default /etc/shadow ii. [root@]# cp /etc/passwd.default /etc/passwd iii. [root@]# cp /etc/group.default /etc/group
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Parent Defect ID:	SLXOS-52599	Issue ID:	SLXOS-52599
Severity:	S3 - Medium		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.1a
Technology Group:	Layer 3 Routing/Network Layer	Technology:	IPv6 Addressing
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-52699	Issue ID:	SLXOS-52699
Severity:	S3 - Medium		
Product:	SLX-OS	Reported in Release:	SLXOS 18r.1.00eb
Technology Group:	Layer 2 Switching	Technology:	Other
Symptom:	L2 traffic drop observed due to delay (2 minutes) in authenticating the end-point-tracking MAC		
Condition:	<ul style="list-style-type: none"> 1. End-point tracking is configured on the interface 2. Traffic is sent from the client connected to the EPT interface 		

Parent Defect ID:	SLXOS-52795	Issue ID:	SLXOS-52795
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 18r.2.00bd
Technology Group:	Other	Technology:	Other
Symptom:	High cpu utilization for not having any traffic		
Condition:	<p>In Solaris mode, the top command always takes all cpu usage as a maximum 100%, no matter how many cpus are there on the board. In a case of 4 processors on a device, any single process listed on top command will not exceed 25% of overall cpu usage.</p> <p>In Irix mode, a single process %cpu can be up to 100% ,it is opposite from solaris mode.</p>		

Parent Defect ID:	SLXOS-52806	Issue ID:	SLXOS-52806
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2
Technology Group:	Security	Technology:	HTTP/HTTPS
Symptom:	Upgrading from 18.x to 20.2.2 makes https certificates configured via trustpoint unusable and https is disabled.		
Condition:	Upgrading from 18.r release to 20.2.2		
Workaround:	Remove the crypto commands and reconfigure the certificates		

Parent Defect ID:	SLXOS-52839	Issue ID:	SLXOS-52839
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.1a
Technology Group:	Traffic Management	Technology:	Rate Limiting and Shaping
Symptom:	Flapping of OSPFV3 sessions.		
Condition:	OSPFv3 session is configured and after that Ingress Port RL is applied. The rate configured is low compared to the data traffic that is ingressing.		
Workaround:	<p>Do not use Ingress Port based RL. Instead configure ingress ACL based RL with "permit any" as rule. This will filter similar to port based RL. In addition to that add another rule in ingress ACL based RL to match OSPF frames as given below.</p> <pre> ipv6 access-list extended v6_any seq 5 deny 89 any seq 15 permit ipv6 any </pre> <p>The deny rule will make sure that OSPF frames are not rate limited.</p>		
Recovery:	Remove the Ingress Port RL.		

Parent Defect ID:	SLXOS-52941	Issue ID:	SLXOS-52941
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.1.2c
Technology Group:	Management	Technology:	Other
Symptom:	EFA does not discover ports during initial discovery if ports link up after the window of 11 sec set by EFA. EFA reports an error to the user		
Condition:	Port link up latency is not deterministic and can depend on a number of factors like type of optic inserted, degree of breakout in the switch and peer port latency		
Workaround:	Adjust the timeout window in EFA		
Recovery:	It is possible to manually refresh EFA's view to discover the undiscovered ports.		

Parent Defect ID:	SLXOS-52947	Issue ID:	SLXOS-52947
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.1.2a
Technology Group:	MPLS	Technology:	BGP/MPLS VPN
Symptom:	Cluster state is down on MCT environment		
Condition:	Network is configured with MCT topology		

Parent Defect ID:	SLXOS-53702	Issue ID:	SLXOS-53702
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.1.2c
Technology Group:	Management	Technology:	Software Installation & Upgrade
Symptom:	Unable to login with existing user id's.		
Condition:	When "noactivate" option is used during firmware download command and reloaded the switch		

Parent Defect ID:	SLXOS-52746	Issue ID:	SLXOS-53722
Severity:	S3 - Medium		
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 lines interface		

Parent Defect ID:	SLXOS-53866	Issue ID:	SLXOS-53866
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2
Technology Group:	Layer 3 Routing/Network Layer	Technology:	Other
Symptom:	Traffic flows utilizing L3 Prefixes (IPv4/IPv6) reachable through ECMP of VXLAN tunnels, may get disrupted in case of one of the VXLAN tunnel path goes away.		
Condition:	L3 Prefixes (IPv4/IPv6) reachable through ECMP of VXLAN tunnels.		

Parent Defect ID:	SLXOS-53902	Issue ID:	SLXOS-53902
Severity:	S3 - Medium		
Product:	SLX-OS	Reported in Release:	SLXOS 20.1.1
Technology Group:	Other	Technology:	Other
Symptom:	TCP ports 111 and 514 are in open state on default-vrf.		
Condition:	When we run nmap from connected Linux server.		
Workaround:	Apply the rACL for these ports		

Parent Defect ID:	SLXOS-53945	Issue ID:	SLXOS-53945
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.1
Technology Group:	IP Multicast	Technology:	PIM - Protocol- Independent Multicast
Symptom:	IP prefix list not working in SSM		
Condition:	Device need to configure the SSM protocol and enable the prefix list with starts with 232.x.x.x.		

Parent Defect ID:	SLXOS-53946	Issue ID:	SLXOS-53946
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2
Technology Group:	Other	Technology:	Other
Symptom:	BFD sessions may flap on a different interface when multiple interfaces are shutdown/no-shutdown together.		
Condition:	When multiple interfaces are shutdown/no-shutdown together.		
Workaround:	Perform shutdown/no-shutdown each interface separately.		

Parent Defect ID:	SLXOS-50340	Issue ID:	SLXOS-53958
Severity:	S3 - Medium		
Product:	SLX-OS	Reported in Release:	SLXOS 18r.1.00d
Technology Group:	Layer 3 Routing/Network Layer	Technology:	IP Addressing
Symptom:	tracert command may succeed for disabled loopback IP address from peer		
Condition:	1) Configure /32 mask IP address for loopback interface. 2) Disable loopback interface using shut.		

Parent Defect ID:	SLXOS-53998	Issue ID:	SLXOS-53998
Severity:	S3 - Medium		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.1
Technology Group:	IP Multicast	Technology:	PIM - Protocol-Independent Multicast
Symptom:	Traffic will be forwarded on outgoing interface even though IP Multicast boundary is configured on it.		
Condition:	Configure IP multicast boundary on one of the Outgoing interfaces.		

Parent Defect ID:	SLXOS-54035	Issue ID:	SLXOS-54035
Severity:	S3 - Medium		
Product:	SLX-OS	Reported in Release:	SLXOS 20.1.2c
Technology Group:	Other	Technology:	Other
Symptom:	When 1 G port of SLX 9640 is connected to VDX 6740 on other end, the port continues to be in link up state.		
Condition:	User has given admin "shut" on the port.		

Parent Defect ID:	SLXOS-54078	Issue ID:	SLXOS-54078
Severity:	S3 - Medium		
Product:	SLX-OS	Reported in Release:	SLXOS 18r.1.00ca
Technology Group:	Layer 2 Switching	Technology:	Other
Symptom:	Unable to learn VPLS MAC address on the MPLS uplink		
Condition:	MLX & SLX are PEs and peers to each other. MLX has VPLS config and SLX has bridge-domain config.		

Parent Defect ID:	SLXOS-54103	Issue ID:	SLXOS-54103
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2
Technology Group:	Layer 2 Switching	Technology:	MCT - Multi-Chassis Trunking
Symptom:	Traffic convergence of 150 to 200 seconds is observed without enabling Maintenance Mode		
Condition:	Traffic convergence takes more time upon changing the cluster ICL interface from port-channel to ethernet (no peer-interface Port-channel, peer-interface Ethernet).		

Parent Defect ID:	SLXOS-54106	Issue ID:	SLXOS-54106
Severity:	S3 - Medium		
Product:	SLX-OS	Reported in Release:	SLXOS 20.1.2c
Technology Group:	Layer 3 Routing/Network Layer	Technology:	BGP4 - IPv4 Border Gateway Protocol
Symptom:	Unexpected reload		
Condition:	when we enable the MP tool for BGP module.		

Parent Defect ID:	SLXOS-54157	Issue ID:	SLXOS-54157
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2
Technology Group:	Layer 2 Switching	Technology:	LAG - Link Aggregation Group
Symptom:	On an SLX 9740 40C, the Home-Run Port Channel flaps if physical ports link up for the first time after a reboot		
Condition:	Home Run port channel is configured and has "no shut" configuration		
Workaround:	There is no work around at this point		
Recovery:	There is no recovery mechanism at this point		

Parent Defect ID:	SLXOS-54159	Issue ID:	SLXOS-54159
Severity:	S3 - Medium		
Product:	SLX-OS	Reported in Release:	SLXOS 18r.1.00b
Technology Group:	Management	Technology:	CLI - Command Line Interface
Symptom:	When show cpu proc command is executed after 100 days incorrect date format (order change in display) will be seen		
Condition:	No Specific condition observed to hit is issue.		

Parent Defect ID:	SLXOS-54162	Issue ID:	SLXOS-54162
Severity:	S3 - Medium		
Product:	SLX-OS	Reported in Release:	SLXOS 18r.2.00bd
Technology Group:	Layer 2 Switching	Technology:	QinQ - IEEE 802.1Q
Symptom:	Destination packets are sending out with ZERO MAC address.		
Condition:	Hardware resources are completed when the scaled environment.		

Parent Defect ID:	SLXOS-54240	Issue ID:	SLXOS-54240
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2
Technology Group:	MPLS	Technology:	MPLS VPLS - Virtual Private LAN Services
Symptom:	For SLX-9740, Enabling Routing over BD for VEoVPLS is not supported when the pw-profile on the BD is in Tag mode. This is mainly due to the limitation of the packet processor behavior.		
Condition:	Pw-profile associated with the Bridge-domain must not be configured in tagged mode when routing is enabled on that Bridge-Domain.		

Parent Defect ID:	SLXOS-54256	Issue ID:	SLXOS-54256
Severity:	S3 - Medium		
Product:	SLX-OS	Reported in Release:	SLXOS 18r.1.00ch
Technology Group:	Monitoring	Technology:	Hardware Monitoring
Symptom:	Interface remain admin down		
Condition:	Optic belongs to Finisar SN YDF117410000LZ8		

Parent Defect ID:	SLXOS-54272	Issue ID:	SLXOS-54272
Severity:	S3 - Medium		
Product:	SLX-OS	Reported in Release:	SLXOS 18r.2.00b
Technology Group:	Layer 3 Routing/Network Layer	Technology:	MBGP - Multiprotocol Border Gateway Protocol
Symptom:	In certain error scenarios where BGP is flooded with erroneous attributes, user may observe BGP not learning/advertising routes from/to peers after significant amount of time under this condition.		
Condition:	Remote BGP peer advertising route updates with invalid next-hop attribute or invalid as-path attribute can cause this condition. This can be checked by running SLX-OS CLI command "show [ip ipv6] bgp neighbors routes-summary"		

Parent Defect ID:	SLXOS-54292	Issue ID:	SLXOS-54292
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2
Technology Group:	Layer 2 Switching	Technology:	VLAN - Virtual LAN
Symptom:	ARP will not be resolved over MCT-CEP interfaces on SLX-9740.		
Condition:	When a MCT-CEP interface is configured as tagged VLAN port with no CCEP (cluster client end points) configured in that specific VLAN.		
Workaround:	Configure the client as CCEP instead of CEP.		

Parent Defect ID:	SLXOS-54302	Issue ID:	SLXOS-54302
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2
Technology Group:	Layer 3 Routing/Network Layer	Technology:	BGP4 - IPv4 Border Gateway Protocol
Symptom:	When the best path interface is made down after new best path selection (by changing weight value), traffic for some routes (around 8%) flows in non-best path for some time (around 1 min). After that it's started flowing through best path properly		
Condition:	This issue is observed only when the best path interface is made down immediately after changing the weight value		
Workaround:	This issue will not occur when the best path interface is made down after some time (i.e)15 mins after changing the weight value		
Recovery:	Traffic (around 8%) will recover from the issue state and start flowing through best path properly after 1 min.		

Parent Defect ID:	SLXOS-54304	Issue ID:	SLXOS-54304
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2
Technology Group:	Traffic Management	Technology:	Rate Limiting and Shaping
Symptom:	OSPF V2 session flaps when Ingress ACL based rate limiting is applied on the interface.		
Condition:	When Ingress ACL based RL is applied on the interface and the configured rate is low compared to the data traffic that is ingressing,		
Workaround:	<p>In the Ingress ACL based RL, add another deny rule with higher precedence that will match OSPF frames.</p> <pre>SLX# show running-config ip access-list extended any ip access-list extended any seq 10 deny 89 any any seq 20 permit ip any any</pre> <p>seq 10 will make sure that OSPF frames are not rate limited.</p>		
Recovery:	Same as workaround.		

Parent Defect ID:	SLXOS-54373	Issue ID:	SLXOS-54373
Severity:	S3 - Medium		
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 value		

Parent Defect ID:	SLXOS-54334	Issue ID:	SLXOS-54374
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.1.2d
Technology Group:	Management	Technology:	CLI - Command Line Interface
Symptom:	On execution of "system maintenance turn-off" operational command to disable Maintenance Mode on switch SMAN-1005 and SMAN-1007 RASLOGs are not being generated which indicates that system is out of the maintenance mode.		
Condition:	On execution of "system maintenance turn-off" operational command to disable Maintenance Mode.		
Workaround:	No		

Parent Defect ID:	SLXOS-50980	Issue ID:	SLXOS-54378
Severity:	S3 - Medium		
Product:	SLX-OS	Reported in Release:	SLXOS 20.1.2a
Technology Group:	Security	Technology:	HTTP/HTTPS
Symptom:	Secure access to SLX device through Hypertext Transfer Protocol Secure (HTTPS) service generates duplicate Transport Layer Security(TLS) audit logs on SLX device.		
Condition:	Issue is seen when, 1. HTTPS is enabled on SLX device. 2. SLX device is accessed by HTTPS clients. Example, RESTCONF connection request to SLX device to gain access.		

Parent Defect ID:	SLXOS-54405	Issue ID:	SLXOS-54413
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.1.2da
Technology Group:	Layer 3 Routing/Network Layer	Technology:	BGP4 - IPv4 Border Gateway Protocol
Symptom:	SLXOS will reboot due to BGP routing daemon termination		
Condition:	During 'no address-family ipv4 unicast vrf <vrf_name>' configuration execution.		

Parent Defect ID:	SLXOS-54077	Issue ID:	SLXOS-54457
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.1.2d
Technology Group:	Layer 2 Switching	Technology:	MCT - Multi-Chassis Trunking
Symptom:	MCT cluster failed to come up after reboot of the switch		
Condition:	MCT CLI configurations are present in the switch but the cluster status is down		

Parent Defect ID:	SLXOS-54463	Issue ID:	SLXOS-54463
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.1.2c
Technology Group:	MPLS	Technology:	LDP - Label Distribution Protocol
Symptom:	LDP neighborship is not formed.		
Condition:	LDP neighborship will not be formed over L2 vlan on ICL in MCT cluster.		

Parent Defect ID:	SLXOS-54726	Issue ID:	SLXOS-54726
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2
Technology Group:	Layer 3 Routing/Network Layer	Technology:	BFD - BiDirectional Forwarding Detection
Symptom:	BFD sessions over CCEP interface will flap few times.		
Condition:	CCEP Port-channel interface is shut.		

Parent Defect ID:	SLXOS-51764	Issue ID:	SLXOS-55047
Severity:	S3 - Medium		
Product:	SLX-OS	Reported in Release:	SLXOS 18r.2.00bc
Technology Group:	Layer 2 Switching	Technology:	LAG - Link Aggregation Group
Symptom:	Port-channel flaps were seen on customer network		

Condition:	Port-channel configured uplink-interfaces on one side and other side there is no LACP enabled interface (earlier it is part of Port-channel), non-enabled interfaces are started allowing the LACP PDU's.
Recovery:	Remove and re-configure the port-channel on the interested port.

Parent Defect ID:	SLXOS-55051	Issue ID:	SLXOS-55051
Severity:	S3 - Medium		
Product:	SLX-OS	Reported in Release:	SLXOS 18r.2.00c
Technology Group:	Monitoring	Technology:	sFlow
Symptom:	A number of fields such as Header Length, IP Size and Subnet Masks are reported incorrectly in the sflow samples		
Condition:	collecting sflow samples with a sflow collector		

Parent Defect ID:	SLXOS-55064	Issue ID:	SLXOS-55065
Severity:	S3 - Medium		
Product:	SLX-OS	Reported in Release:	SLXOS 20.1.2e
Technology Group:	Management	Technology:	Software Installation & Upgrade
Symptom:	When an EFA installation is upgraded and the user aborts the installation, the prior EFA installation is not reverted. EFA-related commands can then result in incorrect output.		
Condition:	This issue is seen when an upgrade to EFA is made and then aborted.		
Recovery:	Prior to the fix, EFA must be re-installed.		

Parent Defect ID:	SLXOS-55066	Issue ID:	SLXOS-55066
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.1.2a
Technology Group:	Layer 2 Switching	Technology:	LAG - Link Aggregation Group
Symptom:	Traffic disruption, Link Flaps		
Condition:	LACP LAGs went down due to timeout		

Parent Defect ID:	SLXOS-55077	Issue ID:	SLXOS-55077
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 18r.2.00b
Technology Group:	Layer 3 Routing/Network Layer	Technology:	BGP4 - IPv4 Border Gateway Protocol
Symptom:	Unexpected reload		
Condition:	MI6 memory leak is observed with various BGP operations		

Parent Defect ID:	SLXOS-55094	Issue ID:	SLXOS-55094
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2a
Technology Group:	Management	Technology:	SNMP - Simple Network Management Protocol
Symptom:	When an SNMP walk was done, the SNMP walk terminated without any error after 3mins		
Condition:	It seems there was connectivity disruption. It wasn't reproducible on another run		

Parent Defect ID:	SLXOS-55107	Issue ID:	SLXOS-55107
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2a
Technology Group:	Other	Technology:	Other
Symptom:	hslagtd process failure and system reloads.		
Condition:	Seen rarely when device if reloads with configuration.		

Parent Defect ID:	SLXOS-55123	Issue ID:	SLXOS-55123
Severity:	S3 - Medium		
Product:	SLX-OS	Reported in Release:	SLXOS 18r.1.00a
Technology Group:	Layer 2 Switching	Technology:	xSTP - Spanning Tree Protocols
Symptom:	User will observe that PVST/RPVST BPDUs are getting flooded on VPLS Bridge domain like normal multicast traffic, even though user has enabled 'bpdu-drop' feature using the CLI		
Condition:	CLI configuration 'bpdu-drop enable' doesn't drop PVST/RPVST packers, instead are flooded like normal BUM traffic on the Bridge domain.		
Workaround:	Provision "protocol spanning-tree rpvst" and disable spanning tree on all switchports using command "spanning-tree shutdown".		

Parent Defect ID:	SLXOS-55152	Issue ID:	SLXOS-55152
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2a
Technology Group:	Monitoring	Technology:	Port Mirroring
Symptom:	On SLX-9150 and SLX-9250, ACL mirroring stops after reload.		
Condition:	Port channel is configured as destination port in ACL mirror configuration on SLX-9150/9250		
Workaround:	There are two work around. 1) After reload, unbind and bind ACL back on interface. 2) Add L2 configuration to destination port channel.		

Parent Defect ID:	SLXOS-55155	Issue ID:	SLXOS-55155
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2a
Technology Group:	Management	Technology:	Other
Symptom:	Syslog packets on inband syslog connections comes with management ip as source ip instead of connected inband ip , when source interface is not configured		
Condition:	Issue is seen when we shut the configured interface and device comes up		
Workaround:	We have to remove the syslog interface config when we shut the interface and then reconfigure it again when we enable		

Parent Defect ID:	SLXOS-55167	Issue ID:	SLXOS-55167
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2a
Technology Group:	Management	Technology:	CLI - Command Line Interface
Symptom:	Display issue where 25 G optics is shown as 10G optics for the 4x25G DAC cable.		
Condition:	Display issue where 25 G optics is shown as 10G optics for the 4x25G DAC cable.		

Parent Defect ID:	SLXOS-55184	Issue ID:	SLXOS-55184
Severity:	S4 - Low		
Product:	SLX-OS	Reported in Release:	SLXOS 20.1.2c
Technology Group:	Management	Technology:	CLI - Command Line Interface
Symptom:	While bring switch out of maintenance mode by executing "system maintenance turn-off" exec command, the output of "show system maintenance" command, it is shown as BGP "time out".		
Condition:	Issue is seen on disabling maintenance mode. No functional impact.		

Parent Defect ID:	SLXOS-55198	Issue ID:	SLXOS-55198
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2a
Technology Group:	Management	Technology:	Other
Symptom:	"no fec mode " CLI support is removed		
Condition:	"no fec mode " CLI support is removed and due to this the User will not be able to go to Default FEC mode on specified port.		
Workaround:	User can do Explicit FEC Configuration either Enable with appropriate FEC mode or Disable FEC for specified port.		

Parent Defect ID:	SLXOS-55211	Issue ID:	SLXOS-55211
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2a
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-55214	Issue ID:	SLXOS-55214
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 18r.2.00b
Technology Group:	Monitoring	Technology:	sFlow
Symptom:	SFLOW sample collection is failed		
Condition:	SLX to be configured with MCT topology and enabled on the CCEP interface with SFLOW configuration.		

Parent Defect ID:	SLXOS-55224	Issue ID:	SLXOS-55224
Severity:	S3 - Medium		
Product:	SLX-OS	Reported in Release:	SLXOS 20.1.2c
Technology Group:	Layer 3 Routing/Network Layer	Technology:	BGP4 - IPv4 Border Gateway Protocol
Symptom:	Unexpected Reload.		
Condition:	BGP peers are configured without route-map. Making changes to the out route-map for one or more BGP peers.		

Parent Defect ID:	SLXOS-55227	Issue ID:	SLXOS-55227
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 18r.2.00bc
Technology Group:	Management	Technology:	SNMP - Simple Network Management Protocol
Symptom:	The MIB - .1.3.6.1.4.1.1588.3.1.13.1.1.1.4.1 reporting 100% memory utilization.		
Condition:	While doing the snmpwalk for this MIB - .1.3.6.1.4.1.1588.3.1.13.1.1.1.4.1 it is displaying 100% of memory utilization but not continuously.		

Parent Defect ID:	SLXOS-55238	Issue ID:	SLXOS-55238
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.1.1
Technology Group:	Management	Technology:	PoE/PoE+ - Power over Ethernet
Symptom:	SLX device failed to bring online		
Condition:	System was running and all of sudden power cut and lead to missing/corruption in the file system.		
Recovery:	Net-install the SLXOS software to bring the SLX online.		

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

Parent Defect ID:	SLXOS-55248	Issue ID:	SLXOS-55248
Severity:	S3 - Medium		
Product:	SLX-OS	Reported in Release:	SLXOS 18r.1.00ch
Technology Group:	Other	Technology:	Other
Symptom:	Interface remain admin down with TX LED ON		
Condition:	Optic belongs to Finisar SN YDF2183000001HK		

Parent Defect ID:	SLXOS-55266	Issue ID:	SLXOS-55266
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2a
Technology Group:	Layer 2 Switching	Technology:	VLAN - Virtual LAN
Symptom:	ARP is not resolved and Source mac is not learned when the incoming IP packets are Priority Tagged (Vlan-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 using Priority tagging for QoS.		
Recovery:	No known recovery methods available.		

Parent Defect ID:	SLXOS-55269	Issue ID:	SLXOS-55269
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 18r.2.00b
Technology Group:	Layer 3 Routing/Network Layer	Technology:	Other
Symptom:	DSCP Marking using a route-map is not working on the SLX9540		
Condition:	Configure PBR with dscp config		

Parent Defect ID:	SLXOS-55277	Issue ID:	SLXOS-55277
Severity:	S1 - Critical		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2a
Technology Group:	Management	Technology:	Other
Symptom:	After reboot, Redundant Management ethernet port link is not coming up.		
Condition:	With some 1000BaseT peers, optical module part #10388 (Extreme Networks 10GBaseT module) does not link up after a reboot		
Recovery:	Reseating of the module brings up the link		

Parent Defect ID:	SLXOS-55278	Issue ID:	SLXOS-55278
Severity:	S3 - Medium		
Product:	SLX-OS	Reported in Release:	SLXOS 18r.1.00ch
Technology Group:	Security	Technology:	RADIUS
Symptom:	SLX may ignore RADIUS server response for REST API authentication		
Condition:	<p>1. Configure one or more radius servers with "aaa authentication login radius local-auth-fallback"</p> <p>2. Send REST query to SLX from any linux device (SLX chooses lower source UDP port numbers, hence it ignores such responses)</p>		

Parent Defect ID:	SLXOS-55282	Issue ID:	SLXOS-55282
Severity:	S3 - Medium		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2a
Technology Group:	Management	Technology:	CLI - Command Line Interface
Symptom:	When the copper module inserted is 1000BaseT or 10GbaseT, cable type is shown as Cat 5, even if it is a Cat 6 or Cat 6a Connector type. All copper cables are displayed as being Cat 5		
Condition:	Display media type of the inserted Copper cable - using CLI command - "show media interface ethernet 0/x:y".		
Workaround:	This is a just display issue and the switch cannot detect the copper cable type,		
Recovery:	No recovery required		

Parent Defect ID:	SLXOS-55297	Issue ID:	SLXOS-55297
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.1
Technology Group:	Monitoring	Technology:	Telemetry
Symptom:	On SLXOS 9740, inoctets/outoctets counter output of interfaces or snmp query for these same counters of ports spike at some point and the spiked values continue. These spikes are not real reflection of data but just a counter read issue.		
Condition:	There is no specific condition for this inaccuracy in the counter		

Parent Defect ID:	SLXOS-55311	Issue ID:	SLXOS-55311
Severity:	S3 - Medium		
Product:	SLX-OS	Reported in Release:	SLXOS 20.1.2c
Technology Group:	Layer 3 Routing/Network Layer	Technology:	BGP4+ - IPv6 Border Gateway Protocol
Symptom:	No Functional impact.bgp_nexthop_delete_as_path_entry print messages are seen when terminal monitor is enabled		
Condition:	Received continuous LL nexthop prefixes from peer		

Parent Defect ID:	SLXOS-55328	Issue ID:	SLXOS-55328
Severity:	S3 - Medium		
Product:	SLX-OS	Reported in Release:	SLXOS 18r.2.00bc
Technology Group:	Monitoring	Technology:	RAS - Reliability, Availability, and Serviceability
Symptom:	Unexpected reload		
Condition:	Collecting the copy support when system is running at low memory		

Parent Defect ID:	SLXOS-55329	Issue ID:	SLXOS-55329
Severity:	S3 - Medium		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2a
Technology Group:	Other	Technology:	Other
Symptom:	On SLX9740-80C, following error message is seen on console " nsm_decode_link Link Message has wrong length 65532"		
Condition:	On breakout being performed on a port		

Parent Defect ID:	SLXOS-55366	Issue ID:	SLXOS-55366
Severity:	S3 - Medium		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2a
Technology Group:	Layer 2 Switching	Technology:	LAG - Link Aggregation Group
Symptom:	<p>The issue is seen on execution of "show hardware profile current" CLI command. The value of max-lag is shown as 80 on SLX9250 and 256 on SLX9740.</p> <p>Actual supported lag value for 9740-40 ports are 77 and for 9740-80, supported lag scale is 153</p>		
Condition:	On execution of "show hardware profile current" command.		

Parent Defect ID:	SLXOS-55369	Issue ID:	SLXOS-55369
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2a
Technology Group:	Other	Technology:	Other
Symptom:	In MCT Configuration, Layer2 ARP broadcast packets are not getting forwarded on SLX-9740 when one of MCT switch reloads.		
Condition:	ARP suppression feature is enabled on the VLAN.		
Workaround:	Disable ARP suppression feature on the VLAN.		

Parent Defect ID:	SLXOS-55372	Issue ID:	SLXOS-55372
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2a
Technology Group:	MPLS	Technology:	LDP - Label Distribution Protocol
Symptom:	"show mpls statistics ldp" command statistics will not increment on transit nodes for SLX9740 for transient session accounting.		
Condition:	<p>MPLS XC statistics will not increment on transit nodes for SLX9740 if following transit-session-accounting config is enabled.</p> <p>-----</p> <pre>router mpls policy transit-session-accounting</pre>		

Parent Defect ID:	SLXOS-55388	Issue ID:	SLXOS-55388
Severity:	S3 - Medium		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2
Technology Group:	MPLS	Technology:	LDP - Label Distribution Protocol
Symptom:	LDP KA packets are trapped to CPU in transient node without destined to box on SLX 9740.		
Condition:	When LDP KA Pkts are sent in transient node are trapped to CPU.		

Parent Defect ID:	SLXOS-55393	Issue ID:	SLXOS-55393
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2a
Technology Group:	Layer 2 Switching	Technology:	MCT - Multi-Chassis Trunking
Symptom:	The MCT node does not send BUM traffic on ICL Port-channel to another peer node.		
Condition:	1. The deployment should be MCT on SLX 9740. 2. Issue is seen with configuration of port-channel scale more than 64 per forwarding engine when one of the MCT nodes is reloaded.		
Workaround:	Reduce port-channel scale to 64 per forwarding engine		

Parent Defect ID:	SLXOS-55427	Issue ID:	SLXOS-55427
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2a
Technology Group:	Layer 2 Switching	Technology:	MCT - Multi-Chassis Trunking
Symptom:	In the MCT scenario, when the Maintenance mode is enabled on a MCT node, LACP disaggregation happens due to LAG time out, instead of member port link down. This is happening on the other MCT peer node.		
Condition:	Maintenance mode enable on MCT node		

Parent Defect ID:	SLXOS-55466	Issue ID:	SLXOS-55466
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2a
Technology Group:	Layer 3 Routing/Network Layer	Technology:	BFD - BiDirectional Forwarding Detection
Symptom:	On SLX 9740, Few BFD over VxLAN Sessions in Border Leaf node flap and network convergence issue is seen		
Condition:	Reloading primary node in the MCT Cluster of the border leaf router.		

Parent Defect ID:	SLXOS-55467	Issue ID:	SLXOS-55467
Severity:	S3 - Medium		
Product:	SLX-OS	Reported in Release:	SLXOS 18r.2.00bd
Technology Group:	Management	Technology:	CLI - Command Line Interface
Symptom:	show running-config ip prefix-list <name> takes a long time to start displaying the output and elevates CPU		
Condition:	Issue is seen when the user is querying for a specific prefix-list while the device has highly scaled prefix list configuration		
Workaround:	Instead of "show running-config ip prefix-list <prefix-list-name>", use commands as below, show ip prefix-list <prefix-list-name> show running-config ip prefix-list show running-config ip prefix-list include <prefix-list-name>		

Parent Defect ID:	SLXOS-55468	Issue ID:	SLXOS-55468
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2a
Technology Group:	Layer 3 Routing/Network Layer	Technology:	BFD - BiDirectional Forwarding Detection
Symptom:	BFD sessions flap observed for few times.		
Condition:	BFD Sessions path via ICL and triggers to bring down ICL path and bring it back up.		

Parent Defect ID:	SLXOS-55472	Issue ID:	SLXOS-55472
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2
Technology Group:	Layer 3 Routing/Network Layer	Technology:	Multi-VRF
Symptom:	L3VPN VRF traffic forwarding may stop working and routes need to be cleared periodically.		
Condition:	Happens when a PE router imports routes to a VRF with routes from multiple PE routers or multiple labels from a PE router.		
Recovery:	clear VRF routes using "clear ip route all vrf <vrf-name>".		

Parent Defect ID:	SLXOS-55480	Issue ID:	SLXOS-55480
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2a
Technology Group:	Layer 3 Routing/Network Layer	Technology:	BFD - BiDirectional Forwarding Detection
Symptom:	On SLX 9740, Few BFD over VxLAN Sessions in Border Leaf node flap and network convergence issue is seen.		
Condition:	One of the CCEP link goes down and comes backup on one of the leaf nodes of the MCT Cluster.		

Parent Defect ID:	SLXOS-55482	Issue ID:	SLXOS-55482
Severity:	S1 - Critical		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2a
Technology Group:	Management	Technology:	Other
Symptom:	Link will not come up between SLX 9150 native 25G port and SLX 9250 Breakout 25G port, if we have "fec mode auto-neg" configured on both sides.		
Condition:	Link will not come up between SLX 9150 native 25G port and SLX 9250 Breakout 25G port, if we have "fec mode auto-neg" configured on both sides.		
Workaround:	Link will come up if user configures other supported FEC modes on both sides.		

Parent Defect ID:	SLXOS-55483	Issue ID:	SLXOS-55483
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2a
Technology Group:	Management	Technology:	CLI - Command Line Interface
Symptom:	25G Breakout port on an Extreme 100G SR Optic displays the default FEC mode as Disabled.		
Condition:	25G Breakout port on an Extreme 100G SR Optic displays the default FEC mode as Disabled. Internally the FEC is enabled as FC-FEC.		

Parent Defect ID:	SLXOS-55485	Issue ID:	SLXOS-55485
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2a
Technology Group:	Layer 3 Routing/Network Layer	Technology:	BFD - BiDirectional Forwarding Detection
Symptom:	On SLX 9740, Few BFD over VxLAN Sessions in Border Leaf node flap and network convergence issue is seen.		
Condition:	Shutdown of link connected from Border leaf to Spine.		

Parent Defect ID:	SLXOS-55490	Issue ID:	SLXOS-55490
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2a
Technology Group:	Layer 3 Routing/Network Layer	Technology:	BFD - BiDirectional Forwarding Detection
Symptom:	BFD sessions flaps for few times.		
Condition:	BFD Sessions path via ICL and triggers to bring down session and bring up.		

Parent Defect ID:	SLXOS-55491	Issue ID:	SLXOS-55491
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2a
Technology Group:	Layer 3 Routing/Network Layer	Technology:	BFD - BiDirectional Forwarding Detection
Symptom:	On SLX 9740, BFD session flap observed on VE that has a port-channel configuration		
Condition:	A non-primary member port of the Port channel is flapped		

Parent Defect ID:	SLXOS-55493	Issue ID:	SLXOS-55493
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2a
Technology Group:	Layer 3 Routing/Network Layer	Technology:	Other
Symptom:	On SLX 9540 platform, End to End traffic drop seen in asymmetric routing over tunnel applications like VxLAN, VPLS.		
Condition:	Issue seen in asymmetric routing over tunnel cases where the L3 traffic routed at one VxLAN leaf node and L2 switching on the remote Leaf.		

Parent Defect ID:	SLXOS-55497	Issue ID:	SLXOS-55497
Severity:	S1 - Critical		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2a
Technology Group:	Management	Technology:	CLI - Command Line Interface
Symptom:	On SLX 9250, the 25G breakout port will show FEC mode as Auto-Neg.		
Condition:	On Reload the FEC mode on 25G breakout port shows as Auto-Neg only if the link is in down state.		
Workaround:	Bring up the Link and the port will display the appropriate FEC mode		

Parent Defect ID:	SLXOS-55523	Issue ID:	SLXOS-55523
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2a
Technology Group:	Management	Technology:	SNMP - Simple Network Management Protocol
Symptom:	Multiple messages of nslookup failure and leads to system reload		
Condition:	Configuring unreachable DNS servers as snmp host and doing large file replay		
Workaround:	Have a Reachable FQDN configured as snmp host or IP address configured as SNMP host		

Parent Defect ID:	SLXOS-55528	Issue ID:	SLXOS-55528
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2a
Technology Group:	Layer 3 Routing/Network Layer	Technology:	BFD - BiDirectional Forwarding Detection
Symptom:	On SLX 9740, Few BFD over VxLAN Sessions in Border Leaf node flap and network convergence issue is seen.		
Condition:	Reload one of the leaf nodes of the MCT Cluster nodes.		

Parent Defect ID:	SLXOS-55536	Issue ID:	SLXOS-55536
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2a
Technology Group:	Layer 2 Switching	Technology:	Other
Symptom:	In VPLS topology, Packet egress out of AC logical interface will go out with dual tag when only one tag is expected		
Condition:	Issue seen after reloading the device with following combination of configuration Bridge-domain configured with VC-mode as tagged and Port-channel with a non-default TPID setting configured as logical AC interface for that bridge-domain.		
Workaround:	Use "RAW" vc-mode, if the bridge-domain has Port-channel with non-default TPID configured as logical interface.		
Recovery:	Remove and adding back the tag-type configuration under port-channel will recover the issue.		

Parent Defect ID:	SLXOS-55539	Issue ID:	SLXOS-55539
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2a
Technology Group:	Layer 2 Switching	Technology:	Other
Symptom:	User configures thru CLI "breakout mode" for a connector under hardware submode.		
Condition:	For the completion of CLI "breakout mode", 4x1g option is not displayed in the help description		
Workaround:	User configuration is accepted by the switch, if the user enters 4x1g on the CLI command on valid interfaces		

Parent Defect ID:	SLXOS-55541	Issue ID:	SLXOS-55541
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2a
Technology Group:	Layer 3 Routing/Network Layer	Technology:	BGP4 - IPv4 Border Gateway Protocol
Symptom:	In the scaled EVPN scenario (around 260K EVPN routes), An Inconsistent bgpd daemon termination is observed while withdrawing EVPN routes in case of clearing neighbors/shutting down the ports		
Condition:	This inconsistent bgpd daemon termination is observed while accessing a freed NLRI pointer in EVPN update message transmission flow.		

Parent Defect ID:	SLXOS-55545	Issue ID:	SLXOS-55545
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2a
Technology Group:	Management	Technology:	Configuration Fundamentals
Symptom:	On Reboot of SLX 9250, the link between the 25G breakout port and Spirent 25G goes down.		
Condition:	The issue is seen observed when the " fec mode auto-neg" is configured on both the sides.		
Workaround:	Issue is not seen if explicit supported FEC mode is configured on both sides.		

Parent Defect ID:	SLXOS-55546	Issue ID:	SLXOS-55546
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2a
Technology Group:	Management	Technology:	Other
Symptom:	In the supportsave file, distributed_log_output.txt contains the details of operations executed on the switch. The error is seen as the content of this file is invalid content.		
Condition:	Issue is seen during collection of supportsave.		

Parent Defect ID:	SLXOS-55549	Issue ID:	SLXOS-55549
Severity:	S3 - Medium		
Product:	SLX-OS	Reported in Release:	SLXOS 18r.2.00c
Technology Group:	Layer 3 Routing/Network Layer	Technology:	GRE - Generic Routing Encapsulation
Symptom:	Protocol flaps and CPU spike are seen on SLX		
Condition:	90 mbps of traffic is pumped over the GRE tunnel		

Parent Defect ID:	SLXOS-55552	Issue ID:	SLXOS-55552
Severity:	S3 - Medium		
Product:	SLX-OS	Reported in Release:	SLXOS 18r.2.00ca
Technology Group:	MPLS	Technology:	LDP - Label Distribution Protocol
Symptom:	On SLX 9640 and SLX 9540, LDP Protocol packets will be trapped to CPU in the transient router.		
Condition:	LDP Protocol packets will be trapped to CPU in transient router even though they are not destined to the device's IP address.		

Parent Defect ID:	SLXOS-55554	Issue ID:	SLXOS-55554
Severity:	S3 - Medium		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2_CVR
Technology Group:	Management	Technology:	CLI - Command Line Interface
Symptom:	On SLX 9250, Device may rarely boot to the ONIE boot prompt.		
Condition:	After "copy config default to startup" and followed by a reload.		

Parent Defect ID:	SLXOS-55558	Issue ID:	SLXOS-55558
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.1.2d
Technology Group:	Layer 2 Switching	Technology:	LAG - Link Aggregation Group
Symptom:	LACP session failed.		
Condition:	SLX to be part of MCT topology and LACP enabled on the CCEP interface.		

Parent Defect ID:	SLXOS-55560	Issue ID:	SLXOS-55560
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2a
Technology Group:	Layer 3 Routing/Network Layer	Technology:	BFD - BiDirectional Forwarding Detection
Symptom:	On SLX 9740, Few BFD over VxLAN Sessions in Border Leaf node flap and network convergence issue is seen.		
Condition:	ICL Link in the leaf MCT cluster node is flapped.		

Defects Closed with Code Changes

Parent Defect ID:	SLXOS-51126	Issue ID:	SLXOS-51326
Severity:	S3 - Medium		
Product:	SLX-OS	Reported in Release:	SLXOS 20.1.2a
Technology Group:	Monitoring	Technology:	RAS - Reliability, Availability, and Serviceability
Symptom:	When the tpvm deploy command fails, error is not displayed under the accounting log in TACACs server.		
Condition:	When "tpvm deploy" command is executed while tpvm is already installed, it'll cause failure in "tpvm deploy", this information is not captured as part of account log.		

Parent Defect ID:	SLXOS-51607	Issue ID:	SLXOS-51607
Severity:	S3 - Medium		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.1
Technology Group:	Security	Technology:	ACLs - Access Control Lists
Symptom:	Hardware usage displays incorrect value of used ACL Hardware resource.		
Condition:	Apply layer 3 Access control list on the VE interface,		

Parent Defect ID:	SLXOS-49863	Issue ID:	SLXOS-51668
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.1
Technology Group:	Layer 3 Routing/Network Layer	Technology:	BFD - BiDirectional Forwarding Detection
Symptom:	BFD session over L2 Port-channel flaps.		
Condition:	When the primary member port of a Port-channel is shutdown.		

Parent Defect ID:	SLXOS-51548	Issue ID:	SLXOS-51902
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.1.2
Technology Group:	Layer 3 Routing/Network Layer	Technology:	IP Addressing
Symptom:	Device goes into "unregistered_netdevice" error state and does not recover. For example - Following message continuously keep scrolling on the console. [772093.586512] unregister_netdevice: waiting for po64 to become free. Usage count = 1 [772103.842611] unregister_netdevice: waiting for po64 to become free. Usage count = 1		
Condition:	Deleting ICL L3 interface.		

Parent Defect ID:	SLXOS-52447	Issue ID:	SLXOS-52447
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 18r.2.00bg
Technology Group:	Layer 3 Routing/Network Layer	Technology:	BGP4 - IPv4 Border Gateway Protocol
Symptom:	When packets with TCP port 179 are received with high rate it may cause impact to other protocols with CPU processing delays in the system.		
Condition:	When packets with TCP port 179 are received with high rate		
Workaround:	Apply rACL to filter out unintended traffic with TCP port 179.		

Parent Defect ID:	SLXOS-52600	Issue ID:	SLXOS-52600
Severity:	S3 - Medium		
Product:	SLX-OS	Reported in Release:	SLXOS 20.1.2a
Technology Group:	Layer 3 Routing/Network Layer	Technology:	DHCP - Dynamic Host Configuration Protocol
Symptom:	SLX device will reboot due to DHCP Daemon termination		
Condition:	SLXOS DHCP Daemon may terminate while handling fragmented DHCP packets		

Parent Defect ID:	SLXOS-52665	Issue ID:	SLXOS-52665
Severity:	S3 - Medium		
Product:	SLX-OS	Reported in Release:	SLXOS 18r.2.00bg
Technology Group:	Layer 3 Routing/Network Layer	Technology:	Other
Symptom:	Directed IPv6 NS packets that are transiting/routing through the SLX device are hitting the CPU		
Condition:	When IPv6 ND packets are sent with high rate they will be trapped to CPU		

Parent Defect ID:	SLXOS-52792	Issue ID:	SLXOS-52792
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.1a
Technology Group:	IP Multicast	Technology:	IGMP - Internet Group Management Protocol
Symptom:	Multicast traffic loss can be seen for the receivers present on other leaf nodes.		
Condition:	<ol style="list-style-type: none"> 1. One of the MCT node learns IGMP groups on Multicast tunnel. 2. The MCT peer is receiving IGMP Queries and Multicast traffic for the learnt groups. So it must forward the traffic to Multicast tunnel. 2. The spine node, through which the MDT is formed, is reloaded. When it boots up, the MDT convergence will happen through this node again. After this convergence the issue can be seen. 		
Recovery:	Clearing the IGMP group cache should recover from the issue and a fresh learning of snooping routes should happen.		

Parent Defect ID:	SLXOS-52927	Issue ID:	SLXOS-52927
Severity:	S3 - Medium		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.1a
Technology Group:	Monitoring	Technology:	sFlow
Symptom:	There is no option to clear sflow statistics on a specific port-channel interface		
Condition:	While executing "clear sflow stat interface" CLI, "port-channel" option is not available		
Workaround:	"clear sflow stat" will clear statistics on all interfaces		

Parent Defect ID:	SLXOS-53724	Issue ID:	SLXOS-53724
Severity:	S3 - Medium		
Product:	SLX-OS	Reported in Release:	SLXOS 18r.2.00bc
Technology Group:	Layer 3 Routing/Network Layer	Technology:	BGP4 - IPv4 Border Gateway Protocol
Symptom:	BGP route regex match is not working as expected		
Condition:	"show ipv6 & ipv4 bgp route reg<string>" is not giving the proper output when the CLI search string length exceeds the 15 characters.		
Workaround:	Maintain the CLI search string length maximum 15 characters		

Parent Defect ID:	SLXOS-54133	Issue ID:	SLXOS-54133
Severity:	S3 - Medium		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2
Technology Group:	Management	Technology:	CLI - Command Line Interface
Symptom:	"Message generic error" is displayed when configuring ip prefix-lists via load-file-config CLI		
Condition:	Issue is seen when the configuration file contains prefix-list "description" CLI. This CLI is not supported in SLX platforms.		
Workaround:	Workaround is to remove prefix-list "description" CLI from the configuration file used in load-file-config		

Parent Defect ID:	SLXOS-54134	Issue ID:	SLXOS-54134
Severity:	S3 - Medium		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2
Technology Group:	Layer 3 Routing/Network Layer	Technology:	BGP4 - IPv4 Border Gateway Protocol
Symptom:	Junk characters may be seen on console.		
Condition:	When large number prefix list is configured using file, then junk characters may be seen on console.		

Parent Defect ID:	SLXOS-54161	Issue ID:	SLXOS-54161
Severity:	S3 - Medium		
Product:	SLX-OS	Reported in Release:	SLXOS 20.1.2a
Technology Group:	Layer 3 Routing/Network Layer	Technology:	OSPF - IPv4 Open Shortest Path First
Symptom:	"show ip ospf database external-link-state link-state-id 0.0.0.0 vrf external-vrf" shows the default metric value (10) not the configured value.		
Condition:	Configure "default-information-originate metric <>" and advertise the default route.		

Parent Defect ID:	SLXOS-54180	Issue ID:	SLXOS-54180
Severity:	S3 - Medium		
Product:	SLX-OS	Reported in Release:	SLXOS 20.1.2
Technology Group:	Monitoring	Technology:	Telemetry
Symptom:	Redundant or additional SNMP traps are sent when a LACP port-channel or its member interfaces are flapped.		
Condition:	Redundant SNMP traps are sent when one of the following cases occur - admin up/down event on port-channel member, admin up/down event on port-channel		

Parent Defect ID:	SLXOS-54231	Issue ID:	SLXOS-54231
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2
Technology Group:	Other	Technology:	Other
Symptom:	BFD sessions may flap when BFD attack traffic is received at 1000pps rate with TTL value 0.		
Condition:	When BFD attack traffic is received at 1000pps rate with TTL value 0.		
Workaround:	Apply 40KBPS rate-limit to inbound packets with control plane policer. policy-map test class test police cir 40000 ip access-list extended test seq 40 permit icmp any icmp-type 1 ip-ttl 0 control-plane service-policy in test		

Parent Defect ID:	SLXOS-54241	Issue ID:	SLXOS-54241
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2
Technology Group:	Layer 3 Routing/Network Layer	Technology:	ARP - Address Resolution Protocol
Symptom:	Traffic loss may be seen as packets are not routed as per IPv4 route.		
Condition:	ARP resolution took long time, which failed to update the route entry.		
Workaround:	Toggle the L3 interface.		

Parent Defect ID:	SLXOS-54249	Issue ID:	SLXOS-54249
Severity:	S1 - Critical		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2
Technology Group:	Layer 3 Routing/Network Layer	Technology:	BFD - BiDirectional Forwarding Detection
Symptom:	BFD Sessions will start flapping		
Condition:	BFD sessions configured over Port-channel which has member links in both towers of 9740-80c device comes online after admin up event.		

Parent Defect ID:	SLXOS-54294	Issue ID:	SLXOS-54294
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2
Technology Group:	Layer 3 Routing/Network Layer	Technology:	BFD - BiDirectional Forwarding Detection
Symptom:	BFD Sessions flaps few times		
Condition:	BFD Sessions configured over port-channel which has member links on both towers of 9740-80C device is done admin up.		

Parent Defect ID:	SLXOS-54297	Issue ID:	SLXOS-54297
Severity:	S3 - Medium		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.1
Technology Group:	Layer 2 Switching	Technology:	Other
Symptom:	IGMP member queries passing through VLL will not forwarded to customer edge router		
Condition:	IGMP query packets are dropped at PE node if the VLL enabled with control word or flowlabel feature.		
Workaround:	Disable control word and flow label feature		

Parent Defect ID:	SLXOS-54306	Issue ID:	SLXOS-54306
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.1.2c
Technology Group:	Layer 2 Switching	Technology:	QinQ - IEEE 802.1Q
Symptom:	End to end QinQ customer traffic loss seen when it passes through a VPLS tunnel.		
Condition:	Issue seen with following combination of configuration and traffic. In a bridge-domain, 1) Customer AC interface is configured as single tag 2) VC-Mode is set to tagged 3) Customer traffic is QinQ with outer vlan matched to the AC interface vlan tag		
Workaround:	Configure the vc-mode as "raw".		

Parent Defect ID:	SLXOS-54349	Issue ID:	SLXOS-54349
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2
Technology Group:	Layer 3 Routing/Network Layer	Technology:	ARP - Address Resolution Protocol
Symptom:	L3 traffic would get block holed.		
Condition:	If user executes 'clear arp no-refresh', it would cause L3 traffic to stop getting forwarded.		
Workaround:	Execute 'clear ip route all' for the affected VRF.		

Parent Defect ID:	SLXOS-54358	Issue ID:	SLXOS-54358
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2
Technology Group:	Layer 3 Routing/Network Layer	Technology:	BFD - BiDirectional Forwarding Detection
Symptom:	Multi-hop BFD session will remain in Admin Down State		
Condition:	Admin down followed by Admin up is applied over outgoing interface of BFD Multi-hop session.		
Workaround:	Remove and add configuration of the BFD session.		

Parent Defect ID:	SLXOS-54367	Issue ID:	SLXOS-54367
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2
Technology Group:	Layer 3 Routing/Network Layer	Technology:	BFD - BiDirectional Forwarding Detection
Symptom:	BFD sessions will start flapping.		
Condition:	More than one Multi-hop BFD Neighbors are created for a Source IP address		
Workaround:	Remove and add configuration of the BFD session.		

Parent Defect ID:	SLXOS-54380	Issue ID:	SLXOS-54380
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2
Technology Group:	Traffic Management	Technology:	QoS - Quality of Service
Symptom:	Sysdiag daemon is terminated unexpectedly.		
Condition:	When "discard-voq-packet threshold <value>" command is executed multiple times.		
Workaround:	Avoid executing the command "discard-voq-packet threshold <value>".		

Parent Defect ID:	SLXOS-54419	Issue ID:	SLXOS-54419
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2
Technology Group:	Management	Technology:	High Availability
Symptom:	Upon active slave failing bond0 toggles to new active slave link but sometimes, on last actively used path Management TOR link ARP cache entry for TPVM stays even though now it is stale and invalid.		
Condition:	When no Egress traffic from TPVM for long time and failover happens at Redundant Management Interface under bond0 at SLX OS.		
Workaround:	Create some kind of Egress traffic from TPVM towards Default Gateway, like PING. Which will update in-between Mgmt TOR ARP Caches.		

Parent Defect ID:	SLXOS-54444	Issue ID:	SLXOS-54444
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2
Technology Group:	Layer 3 Routing/Network Layer	Technology:	BFD - BiDirectional Forwarding Detection
Symptom:	BFD sessions stays in DOWN state		
Condition:	Resilient hashing enable/disable, max-path change		
Workaround:	Remove and add BFD sessions		

Parent Defect ID:	SLXOS-54446	Issue ID:	SLXOS-54446
Severity:	S3 - Medium		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.1
Technology Group:	Monitoring	Technology:	Hardware Monitoring
Symptom:	On SLX 9640, status LED is lit in Amber color		
Condition:	Status LED is lit in Amber color, when both the PSUs are installed		

Parent Defect ID:	SLXOS-54463	Issue ID:	SLXOS-54463
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.1.2c
Technology Group:	MPLS	Technology:	LDP - Label Distribution Protocol
Symptom:	LDP neighborship is not formed.		
Condition:	LDP neighborship will not be formed over L2 vlan on ICL in MCT cluster.		

Parent Defect ID:	SLXOS-55058	Issue ID:	SLXOS-55058
Severity:	S3 - Medium		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.1a
Technology Group:	Monitoring	Technology:	Hardware Monitoring
Symptom:	10G SR SFP+ gives warning FW-1046 with 10G LR threshold values.		
Condition:	This will occur only on interfaces where already inserted 10G `LR'SFP+. are replaced with a 10G `SR' SFP+ and the link is up.		

Parent Defect ID:	SLXOS-55067	Issue ID:	SLXOS-55067
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2
Technology Group:	Layer 2 Switching	Technology:	LAG - Link Aggregation Group
Symptom:	LAG member fails to disaggregate		
Condition:	Peer LAG member ports fail to disaggregate after executing no channel-group command on local LAG member ports		
Workaround:	Toggle the port status by executing 'shutdown' and 'no shutdown' commands after executing 'no channel-group' command on LAG member ports.		
Recovery:	Toggle the port status by executing 'shutdown' and 'no shutdown' commands after executing 'no channel-group' command on LAG member ports.		

Parent Defect ID:	SLXOS-55086	Issue ID:	SLXOS-55086
Severity:	S3 - Medium		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.1
Technology Group:	Monitoring	Technology:	Hardware Monitoring
Symptom:	On SLX 9640, the temperature sensor 3 displays 5 degree Celsius always.		
Condition:	CLI command - show environment temperature		

Parent Defect ID:	SLXOS-55116	Issue ID:	SLXOS-55116
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.1
Technology Group:	MPLS	Technology:	MPLS VPLS - Virtual Private LAN Services
Symptom:	On SLX 9540 and SLX 9640, IGMP query packets are dropped on transit nodes.		
Condition:	Issue seen on the MPLS transit node.		

Parent Defect ID:	SLXOS-55083	Issue ID:	SLXOS-55139
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.1.2e
Technology Group:	Management	Technology:	CLI - Command Line Interface
Symptom:	Core file warning in the system. No functional Impact.		
Condition:	When we use EFA to configure 2-4000 vlans"		
Workaround:	Create vlan range of 2000 at a time. Ex: 2-2000 and 2001-4000		

Parent Defect ID:	SLXOS-55147	Issue ID:	SLXOS-55147
Severity:	S3 - Medium		
Product:	SLX-OS	Reported in Release:	SLXOS 20.1.2c
Technology Group:	Layer 3 Routing/Network Layer	Technology:	ARP - Address Resolution Protocol
Symptom:	SLX ARP timer is reset but kernel ARP timer for same entry is not reset. This causes SLX/Kernel timer to be out of sync for given host entry.		
Condition:	System receives GRAT ARP packet from already learnt host.		

Parent Defect ID:	SLXOS-55153	Issue ID:	SLXOS-55153
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.1.2a
Technology Group:	Layer 3 Routing/Network Layer	Technology:	BGP4 - IPv4 Border Gateway Protocol
Symptom:	Some delay in displaying BGP show command output.		
Condition:	Run snmpwalk for the oid 1.3.6.1.2.1.15 and run "show ip bgp summary" from CLI		

Parent Defect ID:	SLXOS-55162	Issue ID:	SLXOS-55162
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2a
Technology Group:	Management	Technology:	CLI - Command Line Interface
Symptom:	For the "show int eth" CLI fec mode will show as Disabled, if there is interface is shutdown (On platforms SLX 9540, SLX 9640, SLX 9150, SLX 9250). Once interface become no shut " mode will display according to link speed and optics type.		
Condition:	When interface is shutdown, and "show int ethe" CLI command is used.		
Workaround:	once we do not shut for interface, show interface eth CLI will show fec mode according to internal HW setting		

Parent Defect ID:	SLXOS-55203	Issue ID:	SLXOS-55203
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.1.2d
Technology Group:	Layer 3 Routing/Network Layer	Technology:	BGP4 - IPv4 Border Gateway Protocol
Symptom:	"show ip bgp neighbors <ip_address> advertised-routes" displays additional AS number along with local AS number. This is a non-functional issue.		
Condition:	If "neighbor <ip> remove-private-as" is configured under "SLX(config-bgp-router)#" Ex: SLX(config-bgp-router)# neighbor 10.1.1.1 remove-private-as		

Parent Defect ID:	SLXOS-55273	Issue ID:	SLXOS-55273
Severity:	S1 - Critical		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.1a
Technology Group:	Other	Technology:	Other
Symptom:	Switch reboots after 48 hours of operation		
Condition:	Certain Extreme branded optical modules can cause SLXOS to reload after an uptime of 48 hours or greater during optical data handling.		

Parent Defect ID:	SLXOS-55308	Issue ID:	SLXOS-55308
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2
Technology Group:	Monitoring	Technology:	Hardware Monitoring
Symptom:	On SLX 9150/9250, rarely the router reloads, post upgrade to 20.2.2 with sysdiag process termination.		
Condition:	Upgrade to 20.2.2.		
Workaround:	Upgrade to 20.2.2a where the sysdiag polling of the FEC resource manager is disabled for 9150/9250 which was not relevant for the product line.		

Parent Defect ID:	SLXOS-55343	Issue ID:	SLXOS-55343
Severity:	S3 - Medium		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2
Technology Group:	Other	Technology:	Other
Symptom:	Switch reboots after 48 hours of operation.		
Condition:	Certain Extreme branded optical modules can cause SLXOS to reload after an uptime of 48 hours or greater during optical data handling.		
Recovery:	Remove the optics to avoid crash.		

Parent Defect ID:	SLXOS-55352	Issue ID:	SLXOS-55352
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2
Technology Group:	Monitoring	Technology:	Hardware Monitoring
Symptom:	Switch reboots after 48 hours of operation.		
Condition:	Certain Extreme branded optical modules can cause SLXOS to reload after an uptime of 48 hours or greater during optical data handling.		
Workaround:	No work around required		
Recovery:	Issue is fixed in 20.2.2a		

Parent Defect ID:	SLXOS-55422	Issue ID:	SLXOS-55422
Severity:	S2 - High		
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2
Technology Group:	Monitoring	Technology:	Hardware Monitoring
Symptom:	The router reloads every 48 hours with the specified optics.		
Condition:	<p>EQPT1H4LR4LCL100 optics were used on the customer side.</p> <p>When below 3 conditions are met ,only then it will hit the code where we have memory corruption :-</p> <ol style="list-style-type: none"> 1> Smart data is enabled 2> optic vendor name is updated as "EXTREME NETWORKS" 3> Vendor part number starts with 'E' 		

Defects Closed without Code Changes

Parent Defect ID:	SLXOS-47226	Issue ID:	SLXOS-47226
Reason Code:	Insufficient Information	Severity:	S3 - Medium
Product:	SLX-OS	Reported in Release:	SLXOS 20.1.1
Technology Group:	Layer 2 Switching	Technology:	VLAN - Virtual LAN
Symptom:	A message "port_vlan_duplication_detected" may be seen on console session.		
Condition:	User was able to assign same VLAN to Logical-interface, and it's main interface.		
Recovery:	User should execute "no switchport" on the interface where the issue is seen, and reconfigure/add the VLANs on that interface.		

Parent Defect ID:	SLXOS-47395	Issue ID:	SLXOS-47395
Reason Code:	Already Implemented	Severity:	S2 - High
Product:	SLX-OS	Reported in Release:	SLXOS 20.1.1
Technology Group:	Layer 2 Switching	Technology:	LAG - Link Aggregation Group
Symptom:	After a full install upgrade if a partner link speed mismatch is detected Port-channel member links will flap a couple of times and then transition to administrate down state		
Condition:	SLX LAG interface bundled with copper ports goes admin-down when the link detects a speed mismatch (auto negotiation enabled) as part of "auto err-disable" feature on the remote VDX box.		
Workaround:	perform "no shutdown" on LAG member to bring up online(assuming speed matches with partner link).		

Parent Defect ID:	SLXOS-47423	Issue ID:	SLXOS-47423
Reason Code:	Not Reproducible	Severity:	S2 - High
Product:	SLX-OS	Reported in Release:	SLXOS 20.1.1
Technology Group:	Traffic Management	Technology:	Rate Limiting and Shaping
Symptom:	DHCP traffic rate limiting is not working in SLX9150/9250 when DHCP snooping and ACL RL is applied on the same hierarchical interface.		
Condition:	Issue seen when DHCP snooping and ACL RL is applied on the same hierarchical interface.		

Parent Defect ID:	SLXOS-48195	Issue ID:	SLXOS-48195
Reason Code:	Will Not Fix	Severity:	S3 - Medium
Product:	SLX-OS	Reported in Release:	SLXOS 18r.2.00
Technology Group:	Layer 2 Switching	Technology:	VLAN - Virtual LAN
Symptom:	VLAN 4091 to 4095 are reserved. so the configuration was not accepted.		
Condition:	Don't configure on VLAN 4091 to 4095		

Parent Defect ID:	SLXOS-49800	Issue ID:	SLXOS-49800
Reason Code:	Not Reproducible	Severity:	S2 - High
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.1
Technology Group:	Traffic Management	Technology:	Traffic Queueing and Scheduling
Symptom:	TM discard counter does not increment when VPLS/VLL traffic gets dropped due to inactive PWs.		
Condition:	When VPLS/VLL traffic gets dropped due to inactive PWs.		

Parent Defect ID:	SLXOS-50258	Issue ID:	SLXOS-50258
Reason Code:	Cannot Fix	Severity:	S3 - Medium
Product:	SLX-OS	Reported in Release:	SLXOS 20.1.2
Technology Group:	Security	Technology:	HTTP/HTTPS
Symptom:	The syslog for successful import does not display IP address and the role correctly for the current logged in user.		
Condition:	User will observe this behavior when he executes Crypto import pkcs12 command to import certificates.		
Workaround:	There is no functional impact. The client IP can be known from another audit log where the user has successfully logged in into this terminal. The role can be known from username command in "show running-config".		

Parent Defect ID:	SLXOS-52379	Issue ID:	SLXOS-52379
Reason Code:	Working as Designed	Severity:	S3 - Medium
Product:	SLX-OS	Reported in Release:	SLXOS 20.1.2a
Technology Group:	Layer 3 Routing/Network Layer	Technology:	VRRPv2 - Virtual Router Redundancy Protocol Version 2
Symptom:	PBR on MCT Vlan 120 doesn't forward the traffic when it comes to vrrp-e backup.		
Condition:	VRRP and PBR are configured. When the traffic comes to the VRRP backup router traffic is not forwarded to the master.		

Parent Defect ID:	SLXOS-52661	Issue ID:	SLXOS-52661
Reason Code:	Already Implemented	Severity:	S3 - Medium
Product:	SLX-OS	Reported in Release:	SLXOS 18r.2.00bg
Technology Group:	Layer 3 Routing/Network Layer	Technology:	VRRPv3 - Virtual Router Redundancy Protocol Version 3
Symptom:	On SLX 9540/9640, VRRP/VRRP-E IPv6 packets are getting copied to CPU.		
Condition:	When IPv6 VRRP/VRRP-E traffic with UDP port 8888 is sent to a transient node, packets are copied to the CPU, even if VRRP/VRRP-E is not enabled.		

Parent Defect ID:	SLXOS-53944	Issue ID:	SLXOS-53944
Reason Code:	Working as Designed	Severity:	S2 - High
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.1a
Technology Group:	Layer 2 Switching	Technology:	LAG - Link Aggregation Group
Symptom:	Traffic is not load balanced across all the ports in a port channel. Most of the traffic is seen egressed from a single port.		
Condition:	<p>when the SIP and DIP are just changed by a single byte, the traffic is observed to be going out on a single port of the port channel (LAG). For example, traffic streams with the <SIP, DIP> combination may take a single port when the traffic is going out on port channel.</p> <p>10.1.1.1 --> 20.1.1.1 10.1.1.2 --> 20.1.1.2 ... 10.1.1.x --> 20.1.1.x (say x is continuously incremented in range 1:250)</p> <p>This kind of traffic streams are usual only in test environments, but not in the real world traffic. In real world, the traffic streams will be between random <SIP, DIP> pairs, which yields different CRC, so they'll get load balanced properly across LAG member ports.</p>		
Workaround:	No known workaround to force the load balance.		

Parent Defect ID:	SLXOS-54060	Issue ID:	SLXOS-54060
Reason Code:	Working as Designed	Severity:	S3 - Medium
Product:	SLX-OS	Reported in Release:	SLXOS 20.1.2a
Technology Group:	IP Multicast	Technology:	PIM - Protocol- Independent Multicast
Symptom:	Multicast traffic is not switched on VLAN, when associated VE is configured with PIM.		
Condition:	Configure PIM sparse mode on ve interface and send the traffic.		

Parent Defect ID:	SLXOS-54226	Issue ID:	SLXOS-54226
Reason Code:	Not Reproducible	Severity:	S2 - High
Product:	SLX-OS	Reported in Release:	SLXOS 20.2.2
Technology Group:	Management	Technology:	CLI - Command Line Interface
Symptom:	"show tpvm ip-address" fails to fetch the ip-address sometimes.		
Condition:	The issue is caused because SLX CLI is not able to contact the qemu agent running on the TPVM. It can happen when qemu agent is not started properly during TPVM startup.		
Workaround:	Stopping and re-starting the TPVM will recover from the issue.		