

February 2019



# Extreme SLX-OS 17r.2.01a for ExtremeRouting SLX 9850 and ExtremeSwitching SLX 9540

## Release Notes v3.0

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# Document history

<b>Version</b>	<b>Summary of changes</b>	<b>Publication date</b>
1.0	Initial Release	September 25, 2018
2.0	Added an Upgrade matrix to section, Upgrade and downgrade considerations section. Also, added the section, "MCT Upgrade process from 32-bit OS to 64-bit OS".	October 2, 2018
3.0	Added section, "Upgrade/downgrade considerations using firmware download CLI through fullinstall".	February 2019

# Preface

## Contacting Extreme Technical Support

As an Extreme customer, you can contact Extreme Technical Support using one of the following methods: 24x7 online or by telephone. OEM customers should contact their OEM/solution provider.

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

- GTAC (Global Technical Assistance Center) for immediate support
- Phone: 1-800-998-2408 (toll-free in U.S. and Canada) or +1 408-579-2826. For the support phone number in your country, visit: [www.extremenetworks.com/support/contact](http://www.extremenetworks.com/support/contact).
- Email: [support@extremenetworks.com](mailto:support@extremenetworks.com). To expedite your message, enter the product name or model number in the subject line.
- GTAC Knowledge - Get on-demand and tested resolutions from the GTAC Knowledgebase, or create a help case if you need more guidance.
- The Hub - A forum for Extreme customers to connect with one another, get questions answered, share ideas and feedback, and get problems solved. This community is monitored by Extreme Networks employees, but is not intended to replace specific guidance from GTAC.
- Support Portal - Manage cases, downloads, service contracts, product licensing, and training and certifications.

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

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

## Extreme resources

Visit the Extreme website to locate related documentation for your product and additional Extreme resources.

White papers, data sheets, and the most recent versions of Extreme software and hardware manuals are available at [www.extremenetworks.com](http://www.extremenetworks.com). Product documentation for all supported releases is available to registered users at <https://www.extremenetworks.com/support/documentation/>.

## Document feedback

Quality is our first concern at Extreme, and we have made every effort to ensure the accuracy and completeness of this document. However, if you find an error or an omission, or you think that a topic needs further development, we want to hear from you.

You can provide feedback in two ways:

- Use our short online feedback form at <https://www.extremenetworks.com/documentation-feedback/>
- Email us at [documentation@extremenetworks.com](mailto: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.

# Overview

Extreme SLX-OS 17r.2.01 supports a number of software features and capabilities enabling the following solutions:

- A. Border Routing: OptiScale for Internet Routing for Border Router PIN is introduced on ExtremeRouting SLX 9850 and ExtremeSwitching SLX 9540 devices. BGP RIB scale is increased to receive multiple feeds and FIB scale is increased to hold a full internet table.
- B. Data Center: IP Fabric with BGP EVPN VXLAN is introduced on SLX 9540 for L2VNI Logical VTEP.
- C. Network Packet Broker solution has new additions in the form of header-stripping (VN-tag, 802.1br, VXLAN) and Flex ACL features for SLX 9850.

For L2 Exchange solution, load-balancing enhancements are supported for SLX 9850 and SLX 9540 to enable better transit load-balancing performance. Flow-label support and PWE Control-word insertion features introduced assist with transit load-balancing as well. A few other customer RFEs, which are part of the release, enable SLX deployments for this use case.

For Insight Architecture, new Guest VM applications Logstash, Python/Go, and Puppet are validated in these releases. In addition, activation of 'service port', which is the ability to use full capacity of the Guest VM storage on SLX 9850 and SLX 9540, is introduced in this release.

## New SKUs

No new SKUs are introduced in this release.



# Behavior changes

## Behavior changes in release 17r.2.01a

A defect in the firmware of the SSD used in the SLX 9540 may cause the SSD to stop responding. This is not corrected in the 17r.2.01a release. When this defect happens, the Extreme SLX-OS places the file system into a read-only mode to indicate that the file system is hung. A power-cycle fully recovers the device. An SSD controller firmware update is available, and GTAC can assist you in applying this to your systems. Please refer to Field Notice, FN-2018-422 for more information.

## Behavior changes in release 17r.2.01

Firmware download with the fullinstall option will retain the startup configuration file, and upon the rebooting of the device, it will replay the startup configuration file automatically.

## Behavior changes in release 17r.2.00

The following system behaviors have changed in this release:

- Starting with Extreme SLX-OS 17r.2.00, it is running with a 64-bit OS. Special firmware upgrade option is required to upgrade from previous releases to Extreme SLX-OS 17r.2.00. See “Upgrade” section for more details.
- Enhanced the reload command
  - Reload reboots the VMs in both MMs in a chassis system (previously, it initiated cold failover)
  - Reload standby [system] – the system option is new; if “system” is specified, it reboots both the host and the VM in the standby MM
  - Reload system [powercycle] – the powercycle is new; if “powercycle” is specified, it resets the system FPGA
- REST - GET query on top level URI - /rest/operational-state is blocked in Extreme SLX-OS 17r.2.00 release.
- RADIUS source interface will be supported only under management-vrf context; when source interface config is specified under default-vrf or user defined vrf context, it will be ignored and fall back to the default behavior; the default behavior is: for RADIUS requests, the source-IP in the IP header is set to same as the interface IP address, through which interface the RADIUS request packets exit the SLX device.
- NETCONF and REST/RESTCONF request logging is now enabled by default

- The below MPLS speculation CLI commands are not supported in “Layer-2 Optimized” cam profile, as it is not compatible with MPLS transit advanced load balancing feature introduced in this release
  - lag hash speculate-mpls inner-eth
  - lag hash speculate-mpls inner-ip-raw
  - lag hash speculate-mpls inner-ip-tag
  - lag hash speculate-mpls inner-ipv6-raw
  - lag hash speculate-mpls inner-ipv6-tag
- The following features are not supported in “Layer-2 Optimized” cam profile:
  - L3 control protocols over MCT
  - CFM ingress trapping over VPLS/VLL
  - VXLAN Logical VTEP
  - Loop detection protocol
- MAC : Default age time out was increased from 5 mins to 30 mins
- ARP : Default age time out was reduced from 4 hrs to 25 mins
- MCT configuration is changed in this release
  - Cluster member VLAN/Bridge-domain command is deprecated
  - BGP EVPN VLAN/Bridge-domain command is required
  - RD/RT for each EVPN VLAN/Bridge-domain is configurable under BGP EVPN
- VPLS/VLL raw pass-through VC mode: Starting with 17r.2.00, if untagged end points are used with this feature, the TPID value is not automatically set to 0x9100; users should explicitly configure it
- VXLAN L2 Gateway: Inner L2 packets will be sent out as untagged always regardless if original L2 packet is untagged or tagged; in the previous release, if the original packet is tagged, after encapsulation into VXLAN packet, inner packet is tagged; otherwise it is untagged
- To enable BGP routes redistribution in non-default-VRF, users must configure ‘vrf-lite-capability’ under ‘[ipv6] router ospf vrf <vrf-name>’; this was enabled by default in Extreme SLX-OS 17r.1.00.
- A warning message is added when enabling BGP process restart if BGP EVPN neighbor is configured – and vice versa
- 802.1ag changes
  - Specifying Domain ID is mandatory from Extreme SLX-OS 17r.2.00 release while configuring domain; it was not mandatory in earlier releases
  - When downloaded from external file, the CFM configuration would be present after the interface and mpls configuration in the running configuration from Extreme SLX-OS 17r.2.00 release; in earlier releases, CFM configuration is present before interface running configuration

*The domain-name command in CFM protocol configuration mode creates a maintenance domain with a specified id, level and name and enters the Specific Maintenance Domain mode specified in the command argument.*

***device(config-cfm)#domain-name VPLS-SP id 2 level 4***

***device(config-cfm-md-VPLS-SP)#***

- From Extreme SLX-OS 17r.2.00 release, CFM Maintenance Association with service as bridge domain would not be allowed to be created when the underlying bridge domain is not present; it was allowed in 17r.1.01 and earlier releases.
- When downloaded from an external file, CFM configuration would be present after the interface and mpls configuration in the running configuration from Extreme SLX-OS 17r.2.00 release; in earlier releases, CFM configuration is present before interface running configuration.

# Software Features

## New software features in 17r.2.01a

On October 30, 2017, Extreme Networks, Inc. acquired the data center networking business from Brocade Communications Systems, Inc. The code in this release has been updated to replace technical references to Brocade Communications, Inc. with Extreme Networks, Inc., as appropriate.

For details, refer to the “What’s new in this document” section in the following:

- *Extreme SLX-OS YANG Reference Guide, 17r.2.01a*
- *Extreme SLX-OS Software Upgrade Guide, 17r.2.01a*
- *Extreme SLX-OS RESTCONF Guide, 17r.2.01a*
- *Extreme SLX-OS REST API Guide, 17r.2.01a*
- *Extreme SLX-OS Puppet User's Guide, 17r.2.01a*
- *Extreme SLX-OS Network Packet Broker Configuration Guide, 17r.2.01a*
- *Extreme SLX-OS NETCONF Operations Guide, 17r.2.01a*
- *Extreme SLX-OS MPLS Configuration Guide, 17r.2.01a*
- *Extreme SLX-OS Monitoring Configuration Guide, 17r.2.01a*
- *Extreme SLX-OS MIB Reference, 17r.2.01a*
- *Extreme SLX-OS Message Reference, 17r.2.01a*
- *Extreme SLX-OS Management Configuration Guide, 17r.2.01a*
- *Extreme SLX-OS Software Licensing Guide, 17r.2.01a*
- *Extreme SLX-OS IP Multicast Configuration Guide, 17r.2.01a*
- *Extreme SLX-OS Command Reference, 17r.2.01a*

## New software features in 17r.2.01

The following software features are new in this release:

- Optiscale for Internet Routing
  - It is now possible to support internet peering scale on both SLX 9540 and SLX 9850; optimizations in software and hardware enable future-proof deployments as border router
- BGP EVPN Layer 2 Support
  - EVPN BGP Control Plane: Support for EVPN route types
  - Dynamic VXLAN Tunnel discovery: Supports Dynamic Tunnel discovery using BGP EVPN
  - L2VNI capability
  - Bridge Domain Support: BGP-EVPN is supported over basic VLAN and Bridge-Domain
  - Logical VTEP: A logical VXLAN tunnel end point (LVTEP) is supported at Layer 2 for SLX 9540
- Non-default Tag Protocol Identifier (TPID) Configuration Support

- L2/V4/V6ACL per port scale increase (ACL TCAM sharing)
  - Under supported TCAM profiles, sharing of TCAM resources can be enabled for each security ACL or PBR ACL applied to multiple ports

## New software features in 17r.2.00

### System Enhancements

- Extreme SLX-OS will be run as a 64-bit Linux-based OS to allow for larger scales applications and easier third party software integrations in the future releases
- 64-bit Full Install: New command to allow upgrade or firmware download between 32-bit OS and 64-bit OS software
- Reload Enhancements: Reload command is enhanced with a CLI option “powercycle” to power cycle the entire device for SLX 9850, thereby providing the capability to remotely power cycling the device or upgrading sysfpga or CPLD
- Write Erase: Command allowing user to erase all configurations and bring it to factory default state
- Packet Processor HW Resource Monitoring: Network Packet Processor HW resources (CAM, LEM, LPM) are monitored when the hardware tables are becoming fully utilized
- Low CAM Resource Alert: raslog is generated when available CAM resource is lower than 20%
- TCAM sharing: Under supported TCAM profiles, you can enable sharing of TCAM resources for each security ACL or PBR ACL applied to multiple ports
- Platform Optical Temperature Monitoring (Supported with SLX 9540 only): Temperature of QSFP optics is monitored and raslog if warning level is reached, fans is set to HIGH speed; if it's a critical temperature, optics is put at reset stage
- Link level flow control (LLFC) enhancement: The generation of LLFC PAUSE frames, and displaying and clearing of PAUSE frame statistics is supported starting with this release
- Supportsave Enhancements: TM, SFM, CPU and TM packet statistics and command are added to supportsave; entire register dumps of the PP/TM device are also saved in Supportsave, which is helpful for offline debugging
- CLI to configure L2 MTU & IP MTU globally using a single command

### Internet Routes Scaling (OptiScale Routing)

- This capability supports internet peering scale on SLX 9540 and SLX 9850; optimizations in software and hardware enabling future-proof deployments as border router
- Routing Information Base (RIB) scale and Forwarding Information Base (FIB) scales are increased in this release to support internet peering on SLX 9540 as border router PIN; full internet FIB can be stored with hardware-based forwarding for all IPv4 and Ipv6 prefixes

learned from BGP; number of BGP RIB-in and RIB-out and number of BGP peer sessions are substantially increased in this release to support internet peering

- BGP best-external route: Support for the advertisement of the best external route, which is the most preferred route among those received from external neighbors

## L2 Exchange Enhancements

- Pseudowire (PW) control word and flow label: PW control word and PW flow label are mechanisms that improve Multi-Protocol Label Switched packet switched network (MPLS PSN) LSR load-balancing
- MPLS transit load balancing: MPLS transit load balancing provides support for SLX-OS MPLS packet load balancing based on the inner headers when the Layer 2 optimized TCAM profile configuration is activated
- With MAC / Ipv4 acl with log option generate raslog

## Static VXLAN Enhancements

- Bridge Domain VE support for Static VXLAN gateway: The device routes/switch VXLAN Layer 2 and Layer 3 traffic over a VXLAN tunnel, and conversely
- Ability to preserve QoS IP headers in VXLAN packets: VXLAN Layer 2 gateways, VXLAN Layer 3 gateways, and VXLAN Layer 2 and Layer 3 gateway interconnections can be configured to support QoS

## Network Packet Broker Enhancements

- Header stripping: Protocol headers help packets reach their destinations, but are not needed by the security and monitoring tools to which NPB forwards traffic. You can now strip VXLAN, VN-Tag, and 802.1BR headers
- Flex ACLs (UDAs): UDAs examine packet fields at specified offsets, applying permit and deny rules

## Guest VM/Insight Architecture Enhancement

- Guest VM storage: Updated the SLX 9850 Guest VM storage to 256GB and SLX 9540 Guest VM storage to 128GB
- Service Port to Guest VM: For both SLX 9850 and SLX 9540, an additional 10G base-T out-of-band port can be enabled to provide analytic applications and data path with the Guest VM
- Python/Go Applications, Logstash and Puppet support in Guest VM

## Manageability Enhancements:

- TACACS+ command authorization: Allows the TACACS+ user role to execute commands normally restricted to the administrator role

- New SNMP MIBs:
  - IEEE8021-CFM-MIB, IEEE8021-CFM-V2-MIB
  - Proprietary Brocade-L2-ACL-MIB
  - Y.1731 MIB (MEF-SOAM-PM-MIB)
- RESTCONF support for PUT, PATCH, POST, DELETE methods
- Command “show running-config all” to include the default values of the command in the output.
- NTP feature expanded to support server and peer mode, in addition to existing client mode
- Syslog enhancements to meet RFC-5424 compliance.
- sFlow agent ID field is now configurable and sFlow source interface configuration has “management” as one of the interface options.
- Package upgrades for various OSS to address vulnerabilities.
- NETCONF and REST/RESTCONF request logging is now enabled by default.
- The Extreme SLX-OS RESTCONF guide and the Extreme SLX-OS Puppet’s User guide are new publications introduced in the SLX-OS 17r.2.01 release:
  - The SLX RESTCONF feature supports all the operations such as GET, HEAD, OPTIONS, POST, PUT, PATCH, and DELETE method to retrieve the details about the configuration data, YANG schema, and the operational-state data
  - The Extreme SLX-OS Puppet User’s Guide provides information on the Guest virtual machine (TPVM) application, Puppet in the SLX-OS 17r.2.01; Puppet is a scripting language available from Puppet Labs that system administrators can use to automate configuration and management of a data center

## Other features

- Multicast over Bridge-Domain: IGMP (v1, v2, v3) snooping and PIM snooping, PIM-SM is supported on VE over Bridge-Domain
- IGMP Snooping Over MCT
- 802.1ag Connectivity Fault Management (CFM) for VLL
- Y.1731 for VLL
- Routing over VPLS (VEoVPLS): Support for configuration of a Virtual Ethernet (VE) interface on a Virtual Private LAN Service (VPLS) instance for default and non-default VRF Ipv4 and Ipv6

# CLI commands

## CLI commands introduced in 17r.2.01a

No new commands introduced in 17r.2.01a.

## CLI commands introduced in 17r.2.01

### New commands

The following commands are new in this release:

- aaa authorization command
- add (Telemetry)
- additional-paths
- additional-paths select
- advertise-best-external
- clear ipv6 nd suppression-cache
- clear ipv6 nd suppression-statistics
- clear logging raslog
- clear qos flowcontrol
- control-word
- default-ipv6-gateway
- disallow-oar-ac
- firmware peripheral-update cpld
- flow-label
- format RFC-5424
- interface (Telemetry)
- interval (Telemetry)
- loopback
- map vni auto
- match additional-paths advertise-set
- neighbor additional-paths
- neighbor additional-paths advertise
- neighbor additional-paths disable
- ntp authenticate
- ntp disable
- ntp master
- ntp peer
- ntp trusted keys
- profile route
- profile tcam cam-share
- profile tcam limit
- qos-ttl-mode



- seq (deny/permit rules in UDAs)
- sflow agent address
- show bgp evpn routes type
- show bgp evpn routes type igmp-join-sync
- show bgp evpn routes type igmp-leave-sync
- show bgp evpn l3vni
- show ipv6 nd suppression-cache
- show ipv6 nd suppression-statistics
- show ipv6 nd suppression-status
- show logical-interface bridge-domain
- show logical-interface l3ernet
- show logical-interface port-channel
- show logical-interface pseudo-wire
- show ntp status association detail
- show ntp status associations
- show packet-encap-processing
- show peripheral-version cpld
- show running-config aaa authorization command
- show running-config uda access-list
- show running-config uda-key profile
- show running-config telemetry profile (VOQ)
- show telemetry collector
- show telemetry collector summary
- show telemetry server status
- shutdown (LIF)
- strip-802-1br
- strip-vn-tag
- strip-vxlan
- suppress-arp
- tag-type
- uda access-group
- uda access-list
- uda-key profile
- uda-offsets
- uda-profile-apply

## Modified command in 17r.2.01a

The following commands have been modified for this release:

- license eula
- show license
- show media
- show version
- snmp-server contact

- snmp-server location
- snmp-server sys-descr

## Modified commands in 17r.2.01

The following commands have been modified for this release:

- ccm-interval
- esi
- firmware download fullinstall
- logical-interface
- loop-detection
- loop-detection shutdown-disable
- ntp authentication-key
- ntp server
- peer
- profile tcam
- protocol cfm
- qos flowcontrol
- router-interface
- sflow source-interface
- show access-list
- show cluster
- show ip bgp
- show ip bgp neighbors
- show ip bgp routes
- show loop-detection
- show mac-address-table
- show media optical-monitoring [dwdm | pam4 | pam4-error]
- show qos flowcontrol
- show qos interface ethernet
- show running-config
- show sflow
- show statistics access-list
- telemetry profile
- trigger

## Deprecated commands

The following commands have been deprecated beginning with this release:

- member bridge-domain (MCT)
- member vlan (MCT)
- show image-snapshot
- image-snapshot create

# RFCs and standards

The RFCs and standards supported in this release can be found at:

[SLX 9850 Data Sheet](#)

[SLX 9540 Data Sheet](#)

# Hardware support

## Supported devices

The following devices are supported in this release:

Supported Hardware	Description
BR-SLX9850-4-BND-AC	Extreme SLX 9850 4-slot chassis with 1 management module, 5 switch fabric modules, 2 3000W AC power supplies, 3 fan modules, and accessory kit. Power cord not included.
BR-SLX9850-4-BND-DC	Extreme SLX 9850 4-slot chassis with 1 management module, 5 switch fabric modules, 2 3000W DC power supplies, 3 fan modules, and accessory kit. Power cord not included.
BR-SLX9850-8-BND-AC	Extreme SLX 9850 8-slot chassis with 1 management module, 5 switch fabric modules, 4 3000W AC power supplies, 3 fan modules, and accessory kit. Power cord not included.
BR-SLX9850-8-BND-DC	Extreme SLX 9850 8-slot chassis with 1 management module, 5 switch fabric modules, 4 3000W DC power supplies, and 3 fan modules, and accessory kit. Power cord not included.
BR-SLX9850-10GX72S-M	Extreme SLX 9850 72-port 10 GbE/1 GbE dual-speed (M) interface module with IPv4/IPv6/MPLS hardware support. Requires SFP+ optics for 10 GbE connectivity and SFP optics for 1 GbE connectivity. Supports up to 750,000 MAC. Supports up to 1,500,000 IPv4 routes, 140,000 IPv6 routes with OptiScale™ Internet Routing.
BR-SLX9850-100GX36CQ-M	Extreme SLX 9850 36-port 100 GbE, 60-port 40 GbE, or 240-port 10 GbE flex-speed (M) interface module with IPv4/IPv6/MPLS hardware support. Requires QSFP28 optics for 100 GbE, QSFP+ optics for 40 GbE, and 40 GbE to 10 GbE breakout for 10 GbE connectivity. Supports up to 750,000 MAC. Supports up to 1,500,000 IPv4 routes, 140,000 IPv6 routes with OptiScale™ Internet Routing.
BR-SLX9850-10GX72S-D	Extreme SLX985072-port 10GbE/1GbE (D) interface module with IPv4/IPv6 hardware support. Requires SFP+ optics for 10GbE connectivity and SFP optics for 10GbE connectivity. Supports 750K MAC, 256K IPv4 routes and 64K IPv6 routes with up to 8GB packet buffers
BR-SLX9850-100GX36CQ-D	Extreme SLX 9850 36-port 100GbE, 60-port 40GbE, or 240-port 10GbE flex-speed (D) interface module with IPv4/IPv6 hardware support. Requires QSFP28, QSFP+ optics & 40GbE to 10GbE
BR-SLX9850-100GX12CQ-M	Extreme SLX 9850 12-port 100 GbE, 20-port 40GbE, or 80-port 10GbE flex-speed (M) interface module with IPv4/IPv6/MPLS hardware support. Requires QSFP28, QSFP+ optics & 40GbE to 10GbE breakout (for 10 GbE) connectivity. Supports up to 750,000 MAC. Supports up to 1,500,000 IPv4 routes, 140,000 IPv6 routes with OptiScale™ Internet Routing.
BR-SLX9850-100GX6CQ-M-UPG	6x100G POD SW license to be used with SLX9850-100Gx12CQ-M 100G blade only
XBR-SLX9850-4-S	Extreme SLX9850 Spare 4-slot chassis
XBR-SLX9850-8-S	Extreme SLX9850 Spare 8-slot chassis
BR-SLX9850-MM	Extreme SLX 9850 management module for 4-slot and 8-slot systems, includes 16GB RAM, 2 internal Solid State Drives, 4-Core Intel CPU, 2 USB 3.0 ports, 2 RJ-45 console ports, and 10GbE Services port
BR-SLX9850-4-SFM	Extreme SLX 9850 switch fabric module for 4-slot chassis
BR-SLX9850-8-SFM	Extreme SLX 9850 switch fabric module for 8-slot chassis
XBR-SLX9850-ACPWR-3000	Extreme SLX 9850 AC 3000W power supply for 4- and 8-slot chassis, 90-270V AC input
XBR-SLX9850-DCPWR-3000	Extreme SLX 9850 DC 3000W power supply for 4- and 8-slot chassis
XBR-SLX9850-4-FANM	Extreme SLX 9850 fan module for 4-slot chassis. Fan module has 2 fans
XBR-SLX9850-8-FANM	Extreme SLX 9850 fan module for 8-slot chassis. Fan module has 4 fans
XBR-SLX9850-4-CAB	Extreme SLX 9850 Cable Combo Kit for 4-slot chassis
XBR-SLX9850-8-CAB	Extreme SLX 9850 Cable Combo Kit for 8-slot chassis
XBR-SLX9850-4-SFMPNL	Extreme SLX 9850 switch fabric module blank panel for 4-slot chassis

Supported Hardware	Description
XBR-SLX9850-8-SFMPNL	Extreme SLX 9850 switch fabric module blank panel for 8-slot chassis
XBR-SLX9850-PWRPNL	Extreme SLX 9850 power supply blank panel for 4-slot and 8-slot chassis
XBR-SLX9850-IMPNL	Extreme SLX 9850 interface module blank panel for 4-slot and 8-slot chassis
XBR-SLX9850-MMPNL	Extreme SLX 9850 management module blank panel for 4-slot and 8-slot chassis
XBR-SLX9850-4-4PRM-KIT	Extreme SLX 9850 four-post rack mounting kit for 4-slot chassis. Include 27-31" flush and recessed mounting
XBR-SLX9850-4-2PRM-KIT	Extreme SLX 9850 two-post rack mounting kit for 4-slot chassis. Include telco flush and midplane mounting
XBR-SLX9850-8-4PRM-KIT	Extreme SLX 9850 four-post rack mounting kit for 8-slot chassis. Include flush and recessed mounting
XBR-SLX9850-8-2PRM-KIT	Extreme SLX 9850 two-post rack mounting kit for 8-slot chassis. Include telco flush and midplane mounting
BR-SLX-9540-24S-AC-F	Extreme SLX 9540-24S Switch AC with Front to Back airflow. Supports 24x10GE/1GE + 24x1GE ports
BR-SLX-9540-24S-DC-F	Extreme SLX 9540-48S Switch DC with Front to Back airflow. Supports 48x10GE/1GE + 6x100GE/40GE
BR-SLX-9540-24S-AC-R	Extreme SLX 9540-24S Switch AC with Back to Front airflow. Supports 24x10GE/1GE + 24x1GE ports
BR-SLX-9540-24S-DC-R	Extreme SLX 9540-24S Switch DC with Back to Front airflow. Supports 24x10GE/1GE + 24x1GE ports
BR-SLX-9540-48S-AC-F	Extreme SLX 9540-48S Switch AC with Front to Back airflow. Supports 48x10GE/1GE + 6x100GE/40GE
BR-SLX-9540-48S-DC-F	Extreme SLX 9540-48S Switch DC with Front to Back airflow. Supports 48x10GE/1GE + 6x100GE/40GE
BR-SLX-9540-48S-AC-R	Extreme SLX 9540-48S Switch AC with Back to Front airflow. Supports 48x10GE/1GE + 6x100GE/40GE
BR-SLX-9540-48S-DC-R	Extreme SLX 9540-48S Switch DC with Back to Front airflow. Supports 48x10GE/1GE + 6x100GE/40GE
BR-SLX-9540-24S-COD	Upgrade 24x1GE to 24x10GE/1GE
BR-SLX-9540-2C-POD	Ports on Demand for 2x100GE/40GE Uplinks
BR-SLX-9540-ADV-LIC-P	Advanced Feature License for MPLS, BGP-EVPN, CE2.0, NSX, OptiScale™ Internet Routing (for Extreme SLX 9540-24S and 9540-48S)

## Supported power supplies

- Extreme SLX 9850 AC 3000W power supply for 4- and 8-slot chassis, 90-270V AC input
- Extreme SLX 9850 DC 3000W power supply for 4- and 8-slot chassis, 48V DC input

## Supported optics

Part Number	Description
1G-SFP-TX	MODULE, MINI-GBIC, TX, 1000BASE, RJ45
1G-SFP-SX-OM	1000BASE-SX SFP OPTIC, MMF LC
1G-SFP-SX-OM-8	1000BASE-SX SFP OPTIC, MMF LC 8
1G-SFP-LX-OM	1000BASE-LX SFP OPTIC, SMF LC
1G-SFP-LX-OM-8	1000BASE-LX SFP OPTIC, SMF LC 8
1G-SFP-LHA-OM	1000BASE-LHA SFP OPTIC, SMF, LC CONN
1G-SFP-BXD	1000BASE-BXD SFP OPTIC SMF
1G-SFP-BXU	1000BASE-BXU SFP OPTIC SMF
10G-SFP-USR	10G USR SFP+ TRANS 100M OVER MMF
10G-SFP-SR	10G SR SFP+ TRANS 300M OVER MMF
10G-SFP-SR-8	10G SR-8 SFP+ TRANS 300M OVER MMF 8
10G-SFP-LR	10G LR SFP+ TRANS 10KM OVER SMF
10G-SFP-LR-8	10G LR SFP+ TRANS 10KM OVER SMF 8
10G-SFP-ER	10G ER SFP+ TRANS 40KM OVER SMF
10G-SFP-ZR	10GBASE-ZR SFP+ optic (LC), for up to 80km over SMF
10GE-SFP-AOC-0701	10GE SFP+ Direct Attach Cables 7m - Active Optical cables
10GE-SFP-AOC-1001	10GE SFP+ Direct Attach Cables 10m - Active Optical cables

Part Number	Description
10G-SFP-TWX-0101	10 GbE SFP+ optics Twinax Active Copper cable: 1m
10G-SFP-TWX-0301	10 GbE SFP+ optics Twinax Active Copper cable: 3m
10G-SFP-TWX-0501	10 GbE SFP+ optics Twinax Active Copper cable: 5m
40G-QSFP-SR4	40G QSFP+ SR4 TRANS 100M OVER MMF
40G-QSFP-SR4-INT	40G QSFP+ 100M OVER MMF 10G BREAKOUT
40G-QSFP-ESR4-INT	40G QSFP+ 300M OVER MMF 10G BREAKOUT
40G-QSFP-LR4	40G QSFP+ LR4 TRANS 10KM OVER SMF
40G-QSFP-QSFP-C-0101	40G QSFP+ TO QSFP+ ACTIVE COPPER 1M
40G-QSFP-QSFP-C-0301	40G QSFP+ TO QSFP+ ACTIVE COPPER 3M
40G-QSFP-QSFP-C-0501	40G QSFP+ TO QSFP+ ACTIVE COPPER 5M
40G-QSFP-QSFP-AOC-1001	40G QSFP+ to QSFP+ ACTIVE OPTICAL CABLE 10M
40G-QSFP-4SFP-C-0101	4X10GE QSFP+TO4SFP+ COPPER BREAKOUT 1M
40G-QSFP-4SFP-C-0301	4X10GE QSFP+TO4SFP+ COPPER BREAKOUT 3M
40G-QSFP-4SFP-C-0501	4X10GE QSFP+TO4SFP+ COPPER BREAKOUT 5M
40G-QSFP-4SFP-AOC-1001	4X10GE QSFP+TO4SFP+ Fiber BREAKOUT 10M
100G-QSFP28-CWDM4-2KM	100GBASE CWDM4 QSFP TRANS LC 2KM OVER SM
100G-QSFP28-SR4	100G QSFP28 SR4 TRANS 100M OVER MMF
100G-QSFP28-LR4L-2KM	100G QSFP28 LR4 LITE TRANS 2KM OVER SMF
100G-QSFP28-LR4-10KM	100G QSFP28 LR4 TRANS 10KM OVER SMF
100G-QSFP28-LR4-LP-10KM	100G QSFP28 LR4 LOWPOWER 2KM OVER SMF
100G-QSFP-QSFP-P-0101	100G QSFP Passive Direct Attach Copper Cable, 1M
100G-QSFP-QSFP-P-0301	100G QSFP Passive Direct Attach Copper Cable, 3M
100G-QSFP-QSFP-P-0501	100G QSFP Passive Direct Attach Copper Cable, 5M
100G-QSFP-QSFP-AOC-1001	100G QSFP Direct Attach Active Optical Cable, 10M
10G-SFPP-USR-E	10GE USR SFP+,HIGH RX SENSITIVITY
10G-SFPP-USR-8-E	10GE USR SFP+,HIGH RX SENSITIVITY (8-pack)
10G-SFP-USR-SA	10GE USR SFP+ OPTIC (LC),RANGE 100M MMF, TAA
10G-SFP-SR-S	10GBASE-SR, SFP+OPTIC(LC), 300M MMF, 70C
10G-SFP-LR-SA	10GBASE-LR, SFP+ OPTIC (LC),10KM OVERSMF, TAA, 70C
10G-SFP-BXU-S	10GE LR SFP+ OPTIC (LC) BIDIRECTIONAL UP
10G-SFP-BXD-S	10GE LR SFP+ OPTIC (LC) BIDIRECTIONAL DO
*Methode SP7051	Methode SP7051-BRCD SFP+ 10G-Base-T (10G speed only)
*Inphi IN-Q2AY2-XX	Inphi 100G QSFP-28 ColorZ DWDM (80km)

\*Optics reference qualified and should be purchased from the respective vendors. Extreme doesn't sell these.

# Software upgrade and downgrade

## Image file names

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

Image file name	Description
slxos17r.2.01a.tar.gz	SLX-OS 17r.2.01a software
slxos17r.2.01a_all_mibs.tar.gz	SLX-OS 17r.2.01a MIBS
slxos17r.2.01a.md5	SLX-OS 17r.2.01a md5 checksum

## Upgrade/downgrade considerations using firmware download CLI through fullinstall

The fullinstall CLI option is supported through the firmware download when upgrading from release SLX-OS 17r.1.01a to SLX-OS 17r.2.01. The fullinstall CLI option is NOT supported with USB.

## Upgrade and downgrade considerations

**NOTE:** When upgrading an SLX 9850/9540 device from SLX-OS 17r.1.01x to SLX-OS 17r.2.01a, if the TPVM image is already installed in the system, you must first un-install TPVM by issuing the **tpvm uninstall** command before you begin the firmware download. This will help to avoid a system initialization issue. After the system is upgraded, you can then install the TPVM image by issuing the **tpvm install** command.

Steps:

1. Upgrade to SLX-OS 17r.1.01a or later releases.
2. Save Configuration

To save the config, run

```
copy running-config startup-config
```

or

```
copy running-config <file>
```

3. Firmware download with “fullinstall” option from source directory

```
device# firmware download fullinstall ftp user releaseuser password releaseuser file  
release.plist
```

Note: Firmware download with the “fullinstall” option will retain the startup configuration file, and upon the rebooting of the device, it will replay the startup configuration file automatically.

	<b>16r.1.0 (32-bit)</b>	<b>17r.1.0 (32-bit)</b>	<b>17r.1.01 (32-bit)</b>	<b>17r.1.01a (32-bit)</b>	<b>17r.2.0 (64-bit)</b>	<b>17r.2.01a (64-bit)</b>
<b>To</b>						
<b>From</b>						
<b>16r.1.0 (32-bit)</b>	coldboot	coldboot	coldboot	coldboot	Two Step Process: 1. Upgrade to 17r.1.01a 2. Upgrade to 17r.2.0	Two Step Process: 1. Upgrade to 17r.1.01a 2. Upgrade to 17r.2.01a
<b>17r.1.0 (32-bit)</b>	coldboot	coldboot	coldboot	coldboot	Two Step Process: 1. Upgrade to 17r.1.01a 2. Upgrade to 17r.2.0	Two Step Process: 1. Upgrade to 17r.1.01a 2. Upgrade to 17r.2.01a
<b>17r.1.01 (32-bit)</b>	coldboot	coldboot	coldboot	coldboot	Two Step Process: 1.Upgrade to 17r.1.01a 2.Upgrade to 17r.2.0	Two Step Process: 1. Upgrade to 17r.1.01a 2. Upgrade to 17r.2.01a
<b>17r.1.01a (32-bit)</b>	coldboot	coldboot	coldboot	coldboot	fullinstall	fullinstall
<b>17r.2.0 (64-bit)</b>	Two Step Process: 1. Downgrade to 17r.1.01a 2. Coldboot to 16r.1.0	Two Step Process: 1. Downgrade to 17r.1.01a 2. Coldboot to 17r.1.0	Two Step Process: 1.Downgrade to 17r.1.01a 2. Coldboot to 16r.1.0	fullinstall	coldboot	coldboot
<b>17r.2.01a (64-bit)</b>	Two Step Process: 1. Downgrade to 17r.1.01a 2. Coldboot to 16r.1.0	Two Step Process: 1. Downgrade to 17r.1.01a 2. Coldboot to 17r.1.0	Two Step Process: 1.Downgrade to 17r.1.01a 2.Coldboot to 17r.1.01	fullinstall	coldboot	coldboot

Upgrade/downgrade using netinstall through USB:

- User can perform firmware upgrade/downgrade between SLX-OS 17r.1.x and SLX-OS 17r.2.01 using netinstall through USB.

Upgrade/downgrade using firmware download CLI through USB:

- Upgrade SLX-OS 17r.1.01a to SLX-OS 17r.2.01 is supported by firmware download CLI with “fullinstall” option, but not support with USB.

Instruction to check and upgrade FPGAs/CPLDs:

Refer to the *Extreme SLX-OS Software Upgrade Guide* for all variations on upgrading SLX-OS.

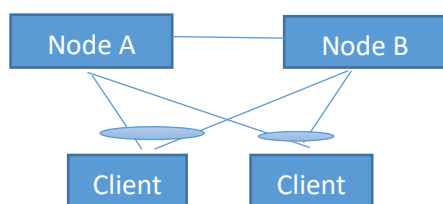
**FPGA/CPLD versions:**

<b>SLX-9850</b>	<b>Release Date</b>
MM sys FPGA	08/25/2016
LC sys FPGA	08/30/2016
SFM sys FPGA	08/04/2016
<b>SLX-9540</b>	<b>Release Date</b>
Sys FPGA	02/09/2017
CPLD 0	02/09/2017
CPLD 1	02/09/2017

## MCT upgrade process from 32-bit OS to 64-bit OS

This section describes the procedure to upgrade from SLX-OS 17r.1.01x to SLX-OS 17r.2.01 and later releases with minimal traffic loss disruption to the customer.

The below steps are written based on the nomenclature used for MCT nodes being A and B



1. Configure client-isolation-mode under the cluster to be loose on Node A and Node B respectively.

```
Device(config)#cluster <Name of the cluster> <cluster-id>  
client-isolation loose
```

2. Isolate Node A from the network using the follow steps:



- a) Disable the MCT clients from the MCT node that needs to be taken offline using **client-interfaces-shutdown** command.
  - b) Disable the link connected to MCT peer node and uplink to the core.
3. Copy running-configuration to startup-configuration on node A.
4. Upgrade node "A" using firmware download with fullinstall option to the Venus image. While the upgrade on node A is happening, the traffic passes through node B with <30sec downtime (depending on the scale and other parameters).
5. Verify that once the node comes UP, the member-vlan configuration under the cluster is removed.
6. Create a evpn template as in below and add to the existing configuration.
 

```
evpn <evpn-instance-name>
  route-target both auto ignore-as
  rd auto
  vlan add <NUMBER:1-4090>
```
7. Isolate Node B from the network using the same steps as in Step 1. Note that there is a complete traffic loss at this step.
8. Copy running-configuration to startup-configuration on node B.
9. Bring back A to network by bringing the client-interfaces UP using the following command under cluster configuration.
 

```
# no client-interfaces-shutdown
```

Also, enable the interface going to the peer MCT node and the uplink to the CORE network.
10. Upgrade MCT node B by repeating the steps 3-5.
11. Once the upgrade is completed, bring back MCT node B to network by using the same step as 8.
12. Configure "no client-isolation" under the cluster configuration on both Node A and Node B.

## Limitations and restrictions

### BFD:

- Sessions with less than 300ms timer may flap in scale conditions
- Known issues with BFD when BFD is configured over multi-slot LAG, or multi-hop session over ECMP paths

L3VPN: Known issues with Peer-group, RR-group and Prefix-list ORF

### FRR facility backup:

- VPLS/VLL Bypass traffic will not work when router/untagged VE interfaces configured as MPLS uplink ports

MCT L3 cases are not supported when ICL interface is configured as router/untagged VE; it is required for all MPLS uplinks to be tagged interfaces to use FRR bypass for VLL/VPLS/L3VPN applications

### Routing over VPLS

- pw-profile must be configured with tagged mode only under the bridge-domain instance for routing with VPLS

### Routing over VPLS (VEoVPLS)

- Supported for static routes only for default and non-default VRF IPv4 and IPv6

### Internet Routes Scaling

- It is recommended that the internet routes scaling features be enabled with internet peering configurations, as qualified by Extreme
- Feature is supported with default VRF only; default VRF and non-default VRF should not be co-existing when default VRF is configured with Internet routes scaling feature.
- Supported with SLX 9540 and SLX 9850 in this release.

### L3VPN jumbo limitation

- The IPMTU value configured in CLI is applicable, if outgoing routing interface is an undelay IP interface (VE or L3 port); the IPMTU value configured in CLI is not applicable if the outgoing interface is uplink for IPoMPLS, L3VPN traffic, or ICL for MCT peers

## Closed with code changes 17r.2.01a

This section lists software defects with Critical, High, and Medium Technical Severity closed with a code change as of September 14, 2018, in 17r.2.01a.

<b>Defect ID:</b>	DEFECT000632766		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	Extreme SLX-OS	<b>Technology Group:</b>	SNMP - Simple Network Management Protocol
<b>Reported In Release:</b>	SLXOS 17s.1.00	<b>Technology:</b>	Management
<b>Symptom:</b>	SNMP get of MIB ifHighSpeed for 100G interface returns value 99999		
<b>Condition:</b>	SNMP get response for MIB ifHighSpeed on 100G interface will return 99999 instead of 100000		

<b>Defect ID:</b>	DEFECT000643147		
<b>Technical Severity:</b>	High	<b>Probability:</b>	Low
<b>Product:</b>	Extreme SLX-OS	<b>Technology Group:</b>	Software Installation & Upgrade
<b>Reported In Release:</b>	SLXOS 17s.1.02	<b>Technology:</b>	Management
<b>Symptom:</b>	Observe "N O T A K N O W N R e s o u r c e I d" error message		
<b>Condition:</b>	Making configuration updates before ZTP process is complete.		
<b>Workaround:</b>	Do not perform configuration changes until "ZTP Complete" message is seen.		
<b>Recovery:</b>	Disable ZTP with "dhcp ztp cancel" and reboot the switch.		

<b>Defect ID:</b>	DEFECT000644746		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	Extreme SLX-OS	<b>Technology Group:</b>	SNMP - Simple Network Management Protocol
<b>Reported In Release:</b>	SLXOS 17s.1.01	<b>Technology:</b>	Management
<b>Symptom:</b>	ifHighSpeed values are seen incorrect for 100G Physical Interfaces		
<b>Condition:</b>	Run SNMP to see ifHighSpeed of 100G Physical Interfaces		

<b>Defect ID:</b>	DEFECT000646026		
<b>Technical Severity:</b>	High	<b>Probability:</b>	Low
<b>Product:</b>	Extreme SLX-OS	<b>Technology Group:</b>	SNMP - Simple Network Management Protocol
<b>Reported In Release:</b>	SLXOS 17s.1.02	<b>Technology:</b>	Management
<b>Symptom:</b>	Error message for ENTITY-MIB while loading SNMP MIBs in SNMP MIB browser		
<b>Condition:</b>	Observed while loading Extreme MIBs on the management station.		

<b>Defect ID:</b>	DEFECT000657856		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	Extreme SLX-OS	<b>Technology Group:</b>	LAG - Link Aggregation Group
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	Layer 2 Switching
<b>Symptom:</b>	Link aggregation group (LAG) comes up as Link UP with back to back connected links on the same switch.		
<b>Condition:</b>	LAG links are connected back to back to ports on the same switch.		
<b>Workaround:</b>	Keep individual links instead of configuring LAG.		

<b>Defect ID:</b>	DEFECT000658229		
<b>Technical Severity:</b>	Low	<b>Probability:</b>	Medium
<b>Product:</b>	Extreme SLX-OS	<b>Technology Group:</b>	Hardware Monitoring
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	Monitoring
<b>Symptom:</b>	?show media optical-monitoring interface <if-name>? don?t display values for admin shutdown port		
<b>Condition:</b>	Port is in admin down mode and pluggable media is present		

<b>Defect ID:</b>	DEFECT000658576		
<b>Technical Severity:</b>	High	<b>Probability:</b>	Medium
<b>Product:</b>	Extreme SLX-OS	<b>Technology Group:</b>	BGP4 - IPv4 Border Gateway Protocol
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	Layer 3 Routing/Network Layer
<b>Symptom:</b>	BGP process termination is observed upon adding a large prefix list to the running config and applying it to BGPv4 neighbors inbound, performing a soft clear to take effect		
<b>Condition:</b>	BGP process terminated after making filter changes and performing soft clear		
<b>Recovery:</b>	BGP daemon will restart		

<b>Defect ID:</b>	DEFECT000658862		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	Extreme SLX-OS	<b>Technology Group:</b>	CLI - Command Line Interface
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	Management
<b>Symptom:</b>	show media optical-monitoring and show media optical-monitoring supported-interfaces don?t display values for admin shutdown port		
<b>Condition:</b>	Port is in admin down mode and pluggable media is present		

<b>Defect ID:</b>	DEFECT000659154		
<b>Technical Severity:</b>	High	<b>Probability:</b>	Medium
<b>Product:</b>	Extreme SLX-OS	<b>Technology Group:</b>	CLI - Command Line Interface
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	Management
<b>Symptom:</b>	"Message Generic Error" is returned for various SLX CLIs.		
<b>Condition:</b>	File system errors on the SSD results in the file system becoming read-only. Console shows "read-only file system" error when the condition occurs.		

<b>Defect ID:</b>	DEFECT000659414		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	Extreme SLX-OS	<b>Technology Group:</b>	MPLS VPLS - Virtual Private LAN Services
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	MPLS
<b>Symptom:</b>	For a load-balanced VPLS PWs, traffic will get egress only through limited lsp/paths even though it is load balanced with multiple lsps/tunnels.		
<b>Condition:</b>	flap/shut-down two LSP paths back to back will intermittently trigger this issue		
<b>Recovery:</b>	Clearing all/problematic mpls lsps will recover the issue. clear mpls lsp all clear mpls lsp name <problematic lsp name>		

<b>Defect ID:</b>	DEFECT000659646		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	Medium
<b>Product:</b>	Extreme SLX-OS	<b>Technology Group:</b>	CLI - Command Line Interface
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	Management
<b>Symptom:</b>	Port channel deletion fails		
<b>Condition:</b>	When it is bind with the Bridge Domain.		

<b>Defect ID:</b>	DEFECT000659798		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	Extreme SLX-OS	<b>Technology Group:</b>	Multi-VRF
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	Layer 3 Routing/Network Layer
<b>Symptom:</b>	OSPF adjacency would stuck in LOADING state for around 30 minutes before becoming FULL.		
<b>Condition:</b>	Modifying OSPF area configuration multiple times in OSPF topology with an ASBR could trigger this issue.		

<b>Defect ID:</b>	DEFECT000660008		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	Medium
<b>Product:</b>	Extreme SLX-OS	<b>Technology Group:</b>	VRRPv3 - Virtual Router Redundancy Protocol Version 3
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	Layer 3 Routing/Network Layer
<b>Symptom:</b>	Virtual IPV6 configuration rejected on VE		
<b>Condition:</b>	When VRRP extended group is configured on VE.		

<b>Defect ID:</b>	DEFECT000660148		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	Low
<b>Product:</b>	Extreme SLX-OS	<b>Technology Group:</b>	Syslog
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	Monitoring
<b>Symptom:</b>	Issue only happens after reboot and before DCMD config replay completes. Once the switch is fully up, the hostname will be reflected in the syslog message properly.		
<b>Condition:</b>	Whenever a new hostname is configured and the device is rebooted.		

<b>Defect ID:</b>	DEFECT000660231		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	High
<b>Product:</b>	Extreme SLX-OS	<b>Technology Group:</b>	CLI - Command Line Interface
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	Management
<b>Symptom:</b>	When executing the noscli "beacon enable interface eth " cause unexpected system reload		
<b>Condition:</b>	Incompatible functions are used on slx platform that cause the issue.		
<b>Workaround:</b>	NO workaround if it is not fixed		
<b>Recovery:</b>	To recover, system need to reboot		

<b>Defect ID:</b>	DEFECT000660343		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	Extreme SLX-OS	<b>Technology Group:</b>	MPLS VPLS - Virtual Private LAN Services
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	MPLS
<b>Symptom:</b>	VPLS PW will be down		
<b>Condition:</b>	After HA failover, VPLS PW status will be down		
<b>Recovery:</b>	"clear mpls lsp" will recover from the issue. clear mpls lsp all		

<b>Defect ID:</b>	DEFECT000660446		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	Extreme SLX-OS	<b>Technology Group:</b>	IPv4 Multicast Routing
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	IP Multicast
<b>Symptom:</b>	The symptoms involve reboot of the switch due to Layer 2 Multicast process termination.		
<b>Condition:</b>	The issue is observed when the PIM SSM group range is configured with the same IP Prefix as of the IGMP SSM map group prefix.		

<b>Defect ID:</b>	DEFECT000660525		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	High
<b>Product:</b>	Extreme SLX-OS	<b>Technology Group:</b>	RADIUS
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	Security
<b>Symptom:</b>	When the REST query is executed using Radius/Tacacs users, with authentication-token in query, REST query fails as Unauthorized.		
<b>Condition:</b>	With authentication-Token in the REST request.		

<b>Defect ID:</b>	DEFECT000660607		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	Medium
<b>Product:</b>	Extreme SLX-OS	<b>Technology Group:</b>	xSTP - Spanning Tree Protocols
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	Layer 2 Switching
<b>Symptom:</b>	SLX did not set agreement flag on BPDU sent out by itself.		
<b>Condition:</b>	SLX connected to MLX and has `spanning-tree shutdown?` configured on any interface.		

<b>Defect ID:</b>	DEFECT000660698		
<b>Technical Severity:</b>	High	<b>Probability:</b>	Low
<b>Product:</b>	Extreme SLX-OS	<b>Technology Group:</b>	VLAN - Virtual LAN
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	Layer 2 Switching
<b>Symptom:</b>	Cannot forward frames since MAC addresses are not relearned on 100G interface		
<b>Condition:</b>	Shutting down the interface and then bringing it up again		

<b>Defect ID:</b>	DEFECT000661026		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	Medium
<b>Product:</b>	Extreme SLX-OS	<b>Technology Group:</b>	LAG - Link Aggregation Group
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	Layer 2 Switching
<b>Symptom:</b>	SLX brings up the different speed interfaces among the port channel.		
<b>Condition:</b>	1.We have to configure the port-channel 2.All the configured interfaces should be administratively UP prior to configure those interfaces into port-channel. 3.We have to add 1G,10G & 40G interface to the port-channel.		

<b>Defect ID:</b>	DEFECT000661168		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	Extreme SLX-OS	<b>Technology Group:</b>	High Availability
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	Management
<b>Symptom:</b>	Traffic loss due to port-channel member ports in UP state after execution of CLI command "shutdown" under interface port-channel on SLX		
<b>Condition:</b>	Execution of CLI command "shutdown" under interface port-channel on SLX.		

<b>Defect ID:</b>	DEFECT000661274		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	Extreme SLX-OS	<b>Technology Group:</b>	802.1x Port Authentication
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	Security
<b>Symptom:</b>	L2sys daemon terminated with sudden reload.		
<b>Condition:</b>	Execution of "sh port-security addresses" command.		

<b>Defect ID:</b>	DEFECT000661330		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	Low
<b>Product:</b>	Extreme SLX-OS	<b>Technology Group:</b>	IPv6 Addressing
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	Layer 3 Routing/Network Layer
<b>Symptom:</b>	IPv6 Prefix filter may not work as expected in BGP route filtering.		
<b>Condition:</b>	When the IPv6 Prefix is not configured with the prefix length as multiples of 8.		



<b>Defect ID:</b>	DEFECT000661444		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	Extreme SLX-OS	<b>Technology Group:</b>	Configuration Fundamentals
<b>Reported In Release:</b>	SLXOS 18r.1.00	<b>Technology:</b>	Management
<b>Symptom:</b>	Port on line card goes down after 35 to 60 sec , when MM is plugged off from the chassis.		
<b>Condition:</b>	The ports are disabled when the component on linecard get heartbeat (with Management Module) timeout. The delay is due to the existing timeout delays in the infrastructure.		
<b>Workaround:</b>	'reload system' CLI will bring down the front-end ports immediately. User can execute the CLI and then plug out the active Management Module in a single Management Module chassis.		

<b>Defect ID:</b>	DEFECT000661454		
<b>Technical Severity:</b>	Low	<b>Probability:</b>	High
<b>Product:</b>	Extreme SLX-OS	<b>Technology Group:</b>	Hardware Monitoring
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	Monitoring
<b>Symptom:</b>	Incorrect port LED status		
<b>Condition:</b>	Shut down the faulty port.		

<b>Defect ID:</b>	DEFECT000661583		
<b>Technical Severity:</b>	Critical	<b>Probability:</b>	High
<b>Product:</b>	Extreme SLX-OS	<b>Technology Group:</b>	LAG - Link Aggregation Group
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	Layer 2 Switching
<b>Symptom:</b>	Traffic flooded to all the vpls peers		
<b>Condition:</b>	Frequent MAC move and shut down relevant interface can potentially land up in the issue condition.		

<b>Defect ID:</b>	DEFECT000661670		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	Medium
<b>Product:</b>	Extreme SLX-OS	<b>Technology Group:</b>	Configuration Fundamentals
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	Management
<b>Symptom:</b>	Unexpected reload.		
<b>Condition:</b>	When we pass "any" for VLAN during L2 ACL configuration.		

<b>Defect ID:</b>	DEFECT000661710		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	Medium
<b>Product:</b>	Extreme SLX-OS	<b>Technology Group:</b>	sFlow
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	Monitoring
<b>Symptom:</b>	?show sflow? CLI shows the negative numbers.		
<b>Condition:</b>	After reaching to 10-digit number example, 2147483647		

<b>Defect ID:</b>	DEFECT000661736		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	Low
<b>Product:</b>	Extreme SLX-OS	<b>Technology Group:</b>	LDP - Label Distribution Protocol
<b>Reported In Release:</b>	SLXOS 18r.1.00	<b>Technology:</b>	MPLS
<b>Symptom:</b>	In the current implementation LDP session UP/DOWN are logged in the syslog, but the reason of session going down is not displayed. Unless the user had enabled other LDP debug logs the reason for the LDP session down is lost. This RAS enhancement tries to address this shortcoming by adding the session down reason to the syslog output.		
<b>Condition:</b>	LDP sessions UP/DOWN events		

<b>Defect ID:</b>	DEFECT000661754		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	High
<b>Product:</b>	Extreme SLX-OS	<b>Technology Group:</b>	Configuration Fundamentals
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	Management
<b>Symptom:</b>	"Error: This Speed is not supported on this port." pops up while executing "speed 100" command under interface.		
<b>Condition:</b>	CLI execution of "speed 100" under interface.		

<b>Defect ID:</b>	DEFECT000661769		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	Extreme SLX-OS	<b>Technology Group:</b>	ICMP - Internet Control Message Protocol
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	Layer 3 Routing/Network Layer
<b>Symptom:</b>	disable "root enable" is not persistent after reload.		
<b>Condition:</b>	When reload system is done in switch when "no root enable" is configured.		

<b>Defect ID:</b>	DEFECT000661772		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	Medium
<b>Product:</b>	Extreme SLX-OS	<b>Technology Group:</b>	IP Addressing
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	Layer 3 Routing/Network Layer
<b>Symptom:</b>	VE interface protocol status shows down after reload.		
<b>Condition:</b>	When there is no online interfaces associated with VE interface.		
<b>Workaround:</b>	Make sure we have one online interface associated to VE interface before reload.		

<b>Defect ID:</b>	DEFECT000661901		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	Medium
<b>Product:</b>	Extreme SLX-OS	<b>Technology Group:</b>	LLDP - Link Layer Discovery Protocol
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	Management
<b>Symptom:</b>	LLDP session establish fail.		
<b>Condition:</b>	1) Peer nodes connected with 17r.1.01 version (other peer with 17r.2.01 or higher version) having single letter interface description. 2) Peer node upgraded from 17r.1.01(x) to 17r.2.01(x) with single letter interface description.		
<b>Workaround:</b>	Change the interface description to more than one letter at 17r.1.01(x) version node before upgrade.		
<b>Recovery:</b>	Make sure both the peers configured with more than 2 letter interface description.		

<b>Defect ID:</b>	DEFECT000661915		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	Extreme SLX-OS	<b>Technology Group:</b>	BGP4 - IPv4 Border Gateway Protocol
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	Layer 3 Routing/Network Layer
<b>Symptom:</b>	Unexpected reload		
<b>Condition:</b>	Adding a large prefix list to the running config and applying it to BGPv4 neighbors inbound , performing a soft clear to take effect. Example: route-map DIRECT-PEER-IN permit 5 neighbor xx.xx.xx.xx route-map in ATRATO-PEER-IN neighbor xx.xx.xx.xx route-map out ATRATO-PEER-OUT		

<b>Defect ID:</b>	DEFECT000661937		
<b>Technical Severity:</b>	Low	<b>Probability:</b>	Low
<b>Product:</b>	Extreme SLX-OS	<b>Technology Group:</b>	CLI - Command Line Interface
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	Management
<b>Symptom:</b>	confd core-file is placed under different paths and difficult to get from SS logs		
<b>Condition:</b>	Difficult to get the confd core-file from SS logs		

<b>Defect ID:</b>	DEFECT000661948		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	High
<b>Product:</b>	Extreme SLX-OS	<b>Technology Group:</b>	VLAN - Virtual LAN
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	Layer 2 Switching
<b>Symptom:</b>	"show statistics vlan" fails to show any output except for the header "Vlan Statistics"		
<b>Condition:</b>	"show statistics vlan" displays no output even for correctly configured VLANs, even when those VLANs have shown output in the past.		

<b>Defect ID:</b>	DEFECT000661968		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	High
<b>Product:</b>	Extreme SLX-OS	<b>Technology Group:</b>	IP Addressing
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	Layer 3 Routing/Network Layer
<b>Symptom:</b>	L3 outgoing traffic was getting corrupted on Dual tagged outgoing interface,		
<b>Condition:</b>	BD with Dual tag as outgoing interface, L3 traffic		
<b>Recovery:</b>	Fixed in SLXOS 18r.1.00 Release.		

<b>Defect ID:</b>	DEFECT000661970		
<b>Technical Severity:</b>	High	<b>Probability:</b>	Medium
<b>Product:</b>	Extreme SLX-OS	<b>Technology Group:</b>	CLI - Command Line Interface
<b>Reported In Release:</b>	SLXOS 18r.1.00	<b>Technology:</b>	Management
<b>Symptom:</b>	The below CLI or REST query reloads the switch with DCM daemon termination. SLX# beacon enable interface ethernet 0/1 REST query curl -v -X POST -d "<ethernet><eth_option><ethernet>0/1</ethernet></eth_option></ethernet>" -k -u admin:password https://10.24.12.131/rest/operations/beacon/enable/interface/ethernet/		
<b>Condition:</b>	Execute 'beacon enable interface ethernet' REST query		

<b>Defect ID:</b>	DEFECT000662003		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	Medium
<b>Product:</b>	Extreme SLX-OS	<b>Technology Group:</b>	VXLAN - Virtual Extensible LAN
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	Layer 2 Switching
<b>Symptom:</b>	When link between two EVPN-VXLAN neighbors is down via CLI "shutdown" on the interface, VxLAN tunnel goes down.		
<b>Condition:</b>	Shutting down link between two EVPN-VXLAN neighbors.		
<b>Workaround:</b>	Fix provided for 17r.2.00 Baseline and same is delivered in 18r.1.00 branch as well.		

<b>Defect ID:</b>	DEFECT000662020		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	Medium
<b>Product:</b>	Extreme SLX-OS	<b>Technology Group:</b>	Configuration Fundamentals
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	Management
<b>Symptom:</b>	REST API throws "HTTP/1.1 404 Not Found" Error.		
<b>Condition:</b>	REST: PUT or PATCH for vrf on loopback interface OR bfd interval on bgp container		

<b>Defect ID:</b>	DEFECT000662039		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	High
<b>Product:</b>	Extreme SLX-OS	<b>Technology Group:</b>	Sysmon
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	Monitoring
<b>Symptom:</b>	Incorrect ifHighSpeed values for 100G Physical Interfaces		
<b>Condition:</b>	Run SNMP to see ifHighSpeed of 100G Physical Interfaces		

<b>Defect ID:</b>	DEFECT000662055		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	High
<b>Product:</b>	Extreme SLX-OS	<b>Technology Group:</b>	SNMP - Simple Network Management Protocol
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	Management
<b>Symptom:</b>	SNMP polling for cpStatus and swOperStatus OIDs returns incorrect values.		
<b>Condition:</b>	When SNMP get/walk request done for cpStatus and swOperStatus OIDs.		

<b>Defect ID:</b>	DEFECT000662161		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	Extreme SLX-OS	<b>Technology Group:</b>	Configuration Fundamentals
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	Management
<b>Symptom:</b>	The command output may be misaligned in the console window,		
<b>Condition:</b>	This issue may happen when the console window is resized after the device boots up.		
<b>Workaround:</b>	Resize the console window to 24 lines, or resize the console window to the proper size and reboot the device.		

<b>Defect ID:</b>	DEFECT000662166		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	Extreme SLX-OS	<b>Technology Group:</b>	High Availability
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	Management
<b>Symptom:</b>	Enabling/disabling latch detection would cause the LC to be permanently faulty. Extreme GTAC Support can restore previously affected LCs by using a tool copied to the chassis in question.		
<b>Condition:</b>	This was a side effect of the 64-bit porting process.		

<b>Defect ID:</b>	DEFECT000662211		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	Extreme SLX-OS	<b>Technology Group:</b>	BGP4 - IPv4 Border Gateway Protocol
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	Layer 3 Routing/Network Layer
<b>Symptom:</b>	Specific MPLS packets with inner TCP sequence number matched to VRRP protocol entry 112 will get dropped at PHP node which in turn will result BGP connections to drop		
<b>Condition:</b>	Issue seen while running BGP traffic over IP over MPLS		

<b>Defect ID:</b>	DEFECT000662238		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	Extreme SLX-OS	<b>Technology Group:</b>	Security Vulnerability
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	Security
<b>Symptom:</b>	NFS port was open on management interface in earlier releases. The NFS port on management VRF should be closed.		
<b>Condition:</b>	NFS port was open on management interface in earlier releases.		

<b>Defect ID:</b>	DEFECT000662239		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	Extreme SLX-OS	<b>Technology Group:</b>	Security Vulnerability
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	Security
<b>Symptom:</b>	Enhancement to disable the port 9110 for management vrf.		
<b>Condition:</b>	Port 9110, was exposed via management interface.		

<b>Defect ID:</b>	DEFECT000662394		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	High
<b>Product:</b>	Extreme SLX-OS	<b>Technology Group:</b>	VLAN - Virtual LAN
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	Layer 2 Switching
<b>Symptom:</b>	L2 Mac learning does not happen on a L2 interface.		
<b>Condition:</b>	If there is a "spanning-tree shut" configuration on a L2 interface and the Spanning Tree protocol is configured as RSTP/MSTP, the MAC learning will not happen on this L2 port. Also this behavior will be observed when HA failover is executed.		
<b>Workaround:</b>	Do "no spanning-tree shut / spanning-tree shut" or "no switchport/ switchport" or "no protocol spanning-tree/ protocol spanning-tree xstp" to recover the mac learning issue.		

<b>Defect ID:</b>	DEFECT000662753		
<b>Technical Severity:</b>	High	<b>Probability:</b>	Medium
<b>Product:</b>	Extreme SLX-OS	<b>Technology Group:</b>	High Availability
<b>Reported In Release:</b>	SLXOS 18r.1.00	<b>Technology:</b>	Management
<b>Symptom:</b>	Process hslagtd terminated. LC restarted		
<b>Condition:</b>	Support Save initialization		

<b>Defect ID:</b>	DEFECT000662899		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	Extreme SLX-OS	<b>Technology Group:</b>	MPLS VLL - Virtual Leased Line
<b>Reported In Release:</b>	SLXOS 18r.1.00	<b>Technology:</b>	MPLS
<b>Symptom:</b>	Control Protocols pkts can get dropped if there is CPU Queue Congestion with sflow traffic.		
<b>Condition:</b>	Control Protocols pkts can get dropped if there is CPU Queue Congestion with sflow traffic, although this is very rare case.		

<b>Defect ID:</b>	DEFECT000663195		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	High
<b>Product:</b>	Extreme SLX-OS	<b>Technology Group:</b>	OSPF - IPv4 Open Shortest Path First
<b>Reported In Release:</b>	SLXOS 18r.1.00	<b>Technology:</b>	Layer 3 Routing/Network Layer
<b>Symptom:</b>	OSPF Hello packets will be sent on OSPF Ve interface even though it is administratively down.		
<b>Condition:</b>	Issue is seen when OSPF Ve interface is administratively down and this Ve is bound to a VLAN.		
<b>Workaround:</b>	Toggling the administrative state of OSPF Ve interface by using 'no shutdown' & 'shutdown' commands will resolve the issue.		

<b>Defect ID:</b>	DEFECT000663315		
<b>Technical Severity:</b>	High	<b>Probability:</b>	Medium
<b>Product:</b>	Extreme SLX-OS	<b>Technology Group:</b>	xSTP - Spanning Tree Protocols
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	Layer 2 Switching
<b>Symptom:</b>	Customer may experience Mac inconsistency between Management Module and Line Card Module .		
<b>Condition:</b>	When there is STP loop while doing ?spanning tree shutdown?, triggers mac move.		

<b>Defect ID:</b>	DEFECT000663425		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	Medium
<b>Product:</b>	Extreme SLX-OS	<b>Technology Group:</b>	MCT - Multi-Chassis Trunking
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	Layer 2 Switching
<b>Symptom:</b>	When the remote LVTEP up link port is shut, traffic did not reach the destination as the VXLAN VNI lookup is failed.		
<b>Condition:</b>	This can happen when there is change in tunnel next hop happened before this trigger		



<b>Defect ID:</b>	DEFECT000663449		
<b>Technical Severity:</b>	High	<b>Probability:</b>	Low
<b>Product:</b>	Extreme SLX-OS	<b>Technology Group:</b>	MPLS VPLS - Virtual Private LAN Services
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	MPLS
<b>Symptom:</b>	VPLS traffic drop observed		
<b>Condition:</b>	When flapping more than 2 MPLS uplink interfaces, VPLS PWs configured with load balance occasionally hit this issue.		
<b>Workaround:</b>	Flapping of multiple MPLS uplink interface at same time can be avoided.		
<b>Recovery:</b>	Clearing MPLS LSPs used by the specific VPLS PW or reconfiguring the specific peer will recover this issue.		

<b>Defect ID:</b>	DEFECT000663621		
<b>Technical Severity:</b>	High	<b>Probability:</b>	Low
<b>Product:</b>	Extreme SLX-OS	<b>Technology Group:</b>	QoS - Quality of Service
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	Traffic Management
<b>Symptom:</b>	During SS Prior to SLXOS 17r.2.01, TM Commands are not be collected.		
<b>Condition:</b>	Support save collection for TM commands.		

<b>Defect ID:</b>	DEFECT000663637		
<b>Technical Severity:</b>	High	<b>Probability:</b>	Low
<b>Product:</b>	Extreme SLX-OS	<b>Technology Group:</b>	QoS - Quality of Service
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	Traffic Management
<b>Symptom:</b>	LDP T-Hello/KA pkts can get dropped if there is CPU Queue Congestion.		
<b>Condition:</b>	LDP T-Hello/KA pkts can get dropped if there is CPU Queue Congestion although this is not common case.		

<b>Defect ID:</b>	DEFECT000663638		
<b>Technical Severity:</b>	High	<b>Probability:</b>	Low
<b>Product:</b>	Extreme SLX-OS	<b>Technology Group:</b>	CLI - Command Line Interface
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	Management
<b>Symptom:</b>	During Debug, LDP Protocols pkts will be counted based on new Socket AF_MPLS_LDP via debug cmd. hslagt pkt show stats Earlier, there was only common counter for IP traffic and no specific counter for LDP pkt in HSLUA during debug.		
<b>Condition:</b>	This is only for LDP debug counters and is applicable only when debugging LDP pkts drop.		

<b>Defect ID:</b>	DEFECT000663879		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	High
<b>Product:</b>	Extreme SLX-OS	<b>Technology Group:</b>	High Availability
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	Management
<b>Symptom:</b>	Some of the port LEDs are off even though the port links are UP after HA failover.		
<b>Condition:</b>	This issue only happens if the HA failover is a controlled failover via "ha failover" command.		

<b>Defect ID:</b>	DEFECT000664398		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	Extreme SLX-OS	<b>Technology Group:</b>	Static Routing (IPv4)
<b>Reported In Release:</b>	SLXOS 18x.1.00	<b>Technology:</b>	Layer 3 Routing/Network Layer
<b>Symptom:</b>	VE interface down, even though VLAN is active		
<b>Condition:</b>	VLAN name and description is configured. VLAN is mapped to an edge port and is ACTIVE		

<b>Defect ID:</b>	DEFECT000664459		
<b>Technical Severity:</b>	Low	<b>Probability:</b>	High
<b>Product:</b>	Extreme SLX-OS	<b>Technology Group:</b>	Hardware Monitoring
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	Monitoring
<b>Symptom:</b>	The output of "show media" command shows wrong calculation for Aggregate TX power. This issue do not have any impact to functionality.		
<b>Condition:</b>	The user issues the command "show media".		

<b>Defect ID:</b>	DEFECT000664560		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	High
<b>Product:</b>	Extreme SLX-OS	<b>Technology Group:</b>	VLAN - Virtual LAN
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	Layer 2 Switching
<b>Symptom:</b>	Some port-channel interfaces fail to appear in "show port-security" after switch reload		
<b>Condition:</b>	When port-security is configured at port channel interfaces and system reload is done repeatedly.		
<b>Recovery:</b>	Executing "no switchport" then "switchport" and then re-adding the configs on the affected port-channel will recover the issue.		

<b>Defect ID:</b>	DEFECT000664718		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	Extreme SLX-OS	<b>Technology Group:</b>	IP Addressing
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	Layer 3 Routing/Network Layer
<b>Symptom:</b>	MPLS ping and trace route will not work via L2 switch in between.		
<b>Condition:</b>	This is usability scenario; MPLS ping and traceroute will not work via L2 switch in between.		

<b>Defect ID:</b>	DEFECT000665541		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	Extreme SLX-OS	<b>Technology Group:</b>	MPLS VPLS - Virtual Private LAN Services
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	MPLS
<b>Symptom:</b>	VPLS state is not operational with lsp as tunnel.		
<b>Condition:</b>	Configuration of MPLS & configure VPLS with lsp as tunnel.		

## Closed with code changes 17r.2.01

This section lists software defects with Critical, High, and Medium Technical Severity closed with a code change as of **3/15/2018** in 17r.2.01.

<b>Defect ID:</b>	DEFECT000634727		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17s.1.01	<b>Technology:</b>	VLAN - Virtual LAN
<b>Symptom:</b>	The command "show ip interface Ve <id>" doesn't display the bridge-domain id that the VE interface is associated with.		
<b>Condition:</b>	<ol style="list-style-type: none"> <li>1. The user configured a VE (SVI) interface.</li> <li>2. The user associated that VE to a Bridge-domain.</li> <li>3. The user issued the command, "show ip interface Ve &lt;id&gt;".</li> </ol>		

<b>Defect ID:</b>	DEFECT000643804		
<b>Technical Severity:</b>	High	<b>Probability:</b>	Low
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	IP Multicast
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	PIM - Protocol-Independent Multicast
<b>Symptom:</b>	In scaled PIM Multi-VRF setup few multicast entries in one of the VRF may not be switched to SPT.		
<b>Condition:</b>	This issue happened in scaled setup, during convergence few multicast entries are not moved to SPT path.		
<b>Recovery:</b>	Recovery is to clear affected entries using "clear ip pim mcache <src> <group> vrf <vrf-id>"		

<b>Defect ID:</b>	DEFECT000646324		
<b>Technical Severity:</b>	High	<b>Probability:</b>	Low
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	VLAN - Virtual LAN
<b>Symptom:</b>	Configure a VLAN port but "show vlan" command doesn't display it.		
<b>Condition:</b>	Root cause is not know. The same configuration works on other SLXOS systems.		
<b>Workaround:</b>	System reload.		

<b>Defect ID:</b>	DEFECT000646986		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	VXLAN - Virtual Extensible LAN
<b>Symptom:</b>	In case of routing in BD RAW mode, when tunnel is involved(EVPN-VxLAN, VPLS, MCT), the packet egressing from remote peer will contain 2 vlan tags.		
<b>Condition:</b>	Routing in BD RAW mode on following configurations 1. MCT, 2. EVPN-VxLAN		
<b>Workaround:</b>	Configure BD tag mode		
<b>Recovery:</b>	Configure BD tag mode when routing is involved on MCT, EVPN-VxLAN configs		

<b>Defect ID:</b>	DEFECT000650209		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Management
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	Configuration Fundamentals
<b>Symptom:</b>	When an auto MCT interface is used by an LSP that is protected by a bypass that interface cannot be removed when the Auto MCT is unconfigured.		
<b>Condition:</b>	Happens only when an Auto MCT interface supports an FRR LSP that is protected by a bypass.		
<b>Workaround:</b>	Workaround is to 1. Not have any static bypasses protect that interface. 2. Do not use enable-all-interfaces under dynamic-bypass and protect specific interfaces that are MPLS configured.		

<b>Defect ID:</b>	DEFECT000651181		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	Medium
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Monitoring
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	Hardware Monitoring
<b>Symptom:</b>	When 1 PSU goes down, fans are set to faulty and when 2 or more fans are set to faulty, the switch shuts down		
<b>Condition:</b>	When 1 PSU shuts down and Fans are set to faulty.		

<b>Defect ID:</b>	DEFECT000651648		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	VXLAN - Virtual Extensible LAN
<b>Symptom:</b>	<p>Routing over Vxlan-BD is supported only with TAG VC-Mode. Due to a hardware limitation, always a TAG is prepended to the packet after routing over BD. If there is no TAG in incoming packet the BD-ID will get prepended as TAG. The remote end needs to be in TAG VC-mode to remove this extra TAG that gets added.</p> <p>If customer try to enable Routing over a Vxlan-BD unless VC-mode on that BD is set to TAG mode, the Routing enable will not pass.</p>		
<b>Condition:</b>	Routing over Vxlan-BD scenario		
<b>Workaround:</b>	Always use VC-mode on Vxlan-BD to be Tag-mode		
<b>Recovery:</b>	Always use VC-mode on Vxlan-BD to be Tag-mode		

<b>Defect ID:</b>	DEFECT000652712		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Management
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	CLI - Command Line Interface
<b>Symptom:</b>	"Show Cluster" CLI for MCT does not provide any output without cluster ID		
<b>Condition:</b>	Default option has been restricted in this release.Need to provide the cluster ID for show command.		

<b>Defect ID:</b>	DEFECT000653081		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	MPLS
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	IP over MPLS
<b>Symptom:</b>	In 'show mpls lsp <name> extensive' the output for IP address in some cases reflects an LSP instance number.		
<b>Condition:</b>	User types 'show mpls rsvp lsp <name> extensive' and the lsp has an FRR backup signaled.		

<b>Defect ID:</b>	DEFECT000653692		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 3 Routing/Network Layer
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	GRE - Generic Routing Encapsulation
<b>Symptom:</b>	For GRE tunnel, when tunnel destination is explicitly set 0.0.0.0 and removed later, error message is displayed		
<b>Condition:</b>	For GRE tunnel, when tunnel destination is explicitly set 0.0.0.0 and removed later, error message is displayed		
<b>Workaround:</b>	Delete the tunnel and recreate tunnel		

<b>Defect ID:</b>	DEFECT000653817		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 3 Routing/Network Layer
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	BGP4 - IPv4 Border Gateway Protocol
<b>Symptom:</b>	When a peer-group is configured with non-default encapsulation and a neighbor is added to the peer-group and is activated under "address-family l2vpn evpn ". The config under the address family comes with the default encapsulation "mpls" for the neighbor. Even though the peer-group it is part of, is configured with non default encapsulation.		
<b>Condition:</b>	When a peer-group is configured with non-default encapsulation and a neighbor is added to the peer-group and is activated under "address-family l2vpn evpn ". The config under the address family comes with the default encapsulation "mpls" for the neighbor.		
<b>Workaround:</b>	The encapsulation of the neighbor can be changed to match the encapsulation of the peer-group which it is part of. Doing so will change the encapsulation of the neighbor and will carry the same encapsulation as of the peer-group.		
<b>Recovery:</b>	The encapsulation of the neighbor can be changed to match the encapsulation of the peer-group which it is part of. Doing so will change the encapsulation of the neighbor and will carry the same encapsulation as of the peer-group.		

<b>Defect ID:</b>	DEFECT000654354		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	MCT - Multi-Chassis Trunking
<b>Symptom:</b>	When cluster client is configured on only one peer, the remote client status is displayed as 'Down' instead of 'Undep' for clients with manually configured ESI.		
<b>Condition:</b>	Incomplete cluster client configuration, i.e., configuring the client and deploying it on one peer only		
<b>Workaround:</b>	Keep the client interfaces shutdown until the client configuration is done on both peers		
<b>Recovery:</b>	Configure the client on the other peer and bring the client interface UP		

<b>Defect ID:</b>	DEFECT000654604		
<b>Technical Severity:</b>	High	<b>Probability:</b>	Medium
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Monitoring
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	OAM - Operations, Admin & Maintenance
<b>Symptom:</b>	User will observe that 8021ag MEP configuration is not removed automatically when logical interface configured on port-channel is unbinded.		
<b>Condition:</b>	User will observe issue only when MEP is bound to a port-channel part of Bridge domain (VLL) .		
<b>Workaround:</b>	Workaround is to delete and add back the MEP once again after binding the Port Channel.		

<b>Defect ID:</b>	DEFECT000654828		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	MCT - Multi-Chassis Trunking
<b>Symptom:</b>	Flooding of traffic is observed for certain CCEP mac on MCT setup.		
<b>Condition:</b>	Timing condition that can be observed after issuing deploy/no-deploy of cluster.		
<b>Recovery:</b>	"clear mac-address-table cluster" can be used to clear the problematic mac.		



<b>Defect ID:</b>	DEFECT000654935		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	MCT - Multi-Chassis Trunking
<b>Symptom:</b>	show CLI 'show cluster <id> shows peer interface as vlan instead of ve interface.		
<b>Condition:</b>	Show cluster <id> shows peer interface as vlan. Vlan interface should be interpreted as ve interface in show output. This should be considered as a typo in show output.		

<b>Defect ID:</b>	DEFECT000655215		
<b>Technical Severity:</b>	High	<b>Probability:</b>	Low
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	MPLS
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	MPLS VLL - Virtual Leased Line
<b>Symptom:</b>	User may experience below prints on LC console along with Traffic drop for few flooding domain on SLX-9540. ?hslagt_lif_brcm_pgrm_p2p_crossconnect: hslagt_lif_brcm_pgrm_pw_lif_xconnect() failed?		
<b>Condition:</b>	Removal of BD configuration from EVPN and re-add.		

<b>Defect ID:</b>	DEFECT000655276		
<b>Technical Severity:</b>	High	<b>Probability:</b>	Medium
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	MPLS
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	MPLS VPLS - Virtual Private LAN Services
<b>Symptom:</b>	User may experience below messages on console of SLX-9540 router along with Traffic drop for few flooding domains. ?hslagt_lif_brcm_pgrm_p2p_crossconnect: hslagt_lif_brcm_pgrm_pw_lif_xconnect() failed?		
<b>Condition:</b>	Removing BD configuration from EVPN and re-add.		

<b>Defect ID:</b>	DEFECT000655332		
<b>Technical Severity:</b>	High	<b>Probability:</b>	Low
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	MPLS
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	MPLS VLL - Virtual Leased Line
<b>Symptom:</b>	User may experience traffic drop for few flooding domains in VLL MCT.		
<b>Condition:</b>	MCT and VLL configuration		

<b>Defect ID:</b>	DEFECT000656130		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	MCT - Multi-Chassis Trunking
<b>Symptom:</b>	After removing a range of more than 128 VLANs from EVPN configuration from one MCT peer, there may be multicast and unknown unicast traffic loss on some of the VLANs in that range since the peer does not take over as Designated Forwarder (DF). This may result in OSPF/ARP between the MCT peer and client going into unresolved state		
<b>Condition:</b>	This will happen when the VLAN range is modified on only one of the MCT peers and the range spans more than 128 VLANs.		
<b>Workaround:</b>	Issue can be avoided by 1. Keeping same VLAN range configuration on the two MCT peers 2. Shutting down client port before making EVPN VLAN configuration update 3. Making EVPN VLAN modifications in smaller ranges		
<b>Recovery:</b>	To recover after the issue is seen, configure the VLAN range back on the router where it was removed		

<b>Defect ID:</b>	DEFECT000656169		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	MCT - Multi-Chassis Trunking
<b>Symptom:</b>	MCT Cluster is UP but CCEP port is down, and Tunnel not detected		
<b>Condition:</b>	After HA failover, some time the CCEP stays down.		
<b>Recovery:</b>	clear bgp evpn neighbor <mct-peer-ip>		

<b>Defect ID:</b>	DEFECT000656215		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Management
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	SNMP - Simple Network Management Protocol
<b>Symptom:</b>	dot1qvlancreationtime mib object value displayed is not correct		
<b>Condition:</b>	snmpget on dot1qvlancreationtime mib object.		

<b>Defect ID:</b>	DEFECT000656237		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 3 Routing/Network Layer
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	Multi-VRF
<b>Symptom:</b>	Leaked Routes are not removed from vrf when nexthop vrf is deleted.		
<b>Condition:</b>	Configure leaked static route. Check route is added to routing table. Delete nexthop vrf		
<b>Workaround:</b>	Do not delete nexthop vrf if leaked routes exist.		
<b>Recovery:</b>	Delete and re-configure static route after vrf is configured		

<b>Defect ID:</b>	DEFECT000656328		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Monitoring
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	OAM - Operations, Admin & Maintenance
<b>Symptom:</b>	User will experience Device reset with 100 Y1731 SLM scheduled sessions over VPLS/VLL with tx-frame-count 250 and a High-Availability failover is triggered along with RSVP configured in the system.		
<b>Condition:</b>	User should have following enabled to observe the issues 8021ag: Enabled Y1731 : configure with 100 or more Y1731 SLM sessions over VPLS/VLL with tx-frame count as 250 or more. RSVP : Enabled Dual MM: yes Device will reset with dot1agd daemon terminated.when High availability switch-over is triggered		
<b>Workaround:</b>	Workaround is to reduce the tx-frame-count of Y1731 SLM sessions to 100 or less to avoid the system reload.		

<b>Defect ID:</b>	DEFECT000656351		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Management
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	CLI - Command Line Interface
<b>Symptom:</b>	On a Bridge-domain, routing and pw-profile (if configured in raw mode) configurations should be mutually exclusive.		
<b>Condition:</b>	1. When pw-profile is configured in tagged mode, and has been associated with a Bridge-domain, then routing should not be enabled on the Bridge-domain. 2. When routing is enabled on a Bridge-domain, then a pw-profile with tagged mode should not be associated with the Bridge-domain.		

<b>Defect ID:</b>	DEFECT000656450		
<b>Technical Severity:</b>	High	<b>Probability:</b>	Low
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	VXLAN - Virtual Extensible LAN
<b>Symptom:</b>	Mac address are not displayed in the software table but seen in hardware.		
<b>Condition:</b>	When "no shutdown" command is executed followed by "shutdown" command on a logical interface, macs are not displayed in the "show mac-address" table. Macs are flushed only in software and not flushed from hardware.		
<b>Recovery:</b>	Executing "Shutdown" and "no shutdown" at the interface associated to the logical interface clears the issue.		

<b>Defect ID:</b>	DEFECT000656882		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	MCT - Multi-Chassis Trunking
<b>Symptom:</b>	Mac address learning noticed with a delay		
<b>Condition:</b>	In MCT configured setup with 100k traffic streams on, mac address learning is slow due to high number of event processing in the software.		
<b>Recovery:</b>	Mac address learning is recovered automatically after a delay when the events are processed in the software. It can be manually recovered by flapping the mct client interface down and up.		

<b>Defect ID:</b>	DEFECT000656912		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 3 Routing/Network Layer
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	IPv6 Addressing
<b>Symptom:</b>	Traffic loss may occur		
<b>Condition:</b>	when all the routes coming from certain BGP neighbors are filtered or rejected.		

<b>Defect ID:</b>	DEFECT000657024		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	VXLAN - Virtual Extensible LAN
<b>Symptom:</b>	Egress packets are not getting load balanced due to the default LAG hash hdr-count value is set to 1 instead of 3. Symptoms will be seen as traffic not getting load balanced		
<b>Condition:</b>	User can over come this default setting by configuring the value in the "configuration terminal" -> lag hash hdr-count 3. Using this command, user can change the hdr-count values and can be a work around for the load balancing		

<b>Defect ID:</b>	DEFECT000657070		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	MCT - Multi-Chassis Trunking
<b>Symptom:</b>	Line card reload might be seen during command execution during bootup sequence		
<b>Condition:</b>	Running debug commands during chassis bootup.		

<b>Defect ID:</b>	DEFECT000657201		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	MPLS
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	MPLS VPLS - Virtual Private LAN Services
<b>Symptom:</b>	Active MM will go for reload		
<b>Condition:</b>	While bridge-domain is added under EVPN, deleting the bridge-domain will trigger MM reload		
<b>Workaround:</b>	Remove the bridge-domain under EVPN and delete it.		

<b>Defect ID:</b>	DEFECT000657222		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Management
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	SNMP - Simple Network Management Protocol
<b>Symptom:</b>	While doing SNMP Walk on IP-MIB:ipAddressTable for VE interfaces, ipAddressType is displayed as broadcast(3) instead of unicast (1)		
<b>Condition:</b>	During SNMP access of IP-MIB:ipAddressTable		

<b>Defect ID:</b>	DEFECT000657360		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	MCT - Multi-Chassis Trunking
<b>Symptom:</b>	Mac address are not synced to mct peer node and evpn mac address are not displayed in the mac address table.		
<b>Condition:</b>	In scaled mct setup with 100k traffic stream, mac address are not synced to the peer mct node when evpn configuration is removed and added back.		
<b>Recovery:</b>	Executing "clear ip bgp neighbor" on the peer mct node refresh the mac address to relearn.		

<b>Defect ID:</b>	DEFECT000657440		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Security
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	MAC Port-based Authentication
<b>Symptom:</b>	Command "show port-security address" gets stuck in loop if more than 4096 MACs are learnt on a secure port.		
<b>Condition:</b>	Issue is seen on execution of "show port-security address" command.		

<b>Defect ID:</b>	DEFECT000657442		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 3 Routing/Network Layer
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	ARP - Address Resolution Protocol
<b>Symptom:</b>	MAC is not installed.		
<b>Condition:</b>	After performing the MM failover, sometimes MAC route is not installed.		
<b>Recovery:</b>	clear bgp evpn neighbor all		

<b>Defect ID:</b>	DEFECT000657463		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	MCT - Multi-Chassis Trunking
<b>Symptom:</b>	'show cluster <cluster-id> cliient <client-id> would show a set of VLANs missing from both MCT peers.		
<b>Condition:</b>	Series of EVPN VLAN re-configuration done after the cluster is configured. Multicast and unknown unicast traffic loss on half the VLAN range configured on a particular MCT client. OSPF/ARP configured on these VLANs would be unresolved		
<b>Recovery:</b>	clear bgp evpn neighbor <peer-ip>		

<b>Defect ID:</b>	DEFECT000657476		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Management
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	SNMP - Simple Network Management Protocol
<b>Symptom:</b>	User will experience device reset while executing SNMP query on dot1agCfmLtrTable.		
<b>Condition:</b>	User will observe the issue when device is configured with 8021ag, while executing the SNMP query for dot1agCfmLtrTable table within 100 seconds after user has performed CFM Linktrace from source MEP to the target MIP/MEP.		
<b>Workaround:</b>	User should avoid query for dot1agCfmLtrTable		

<b>Defect ID:</b>	DEFECT000657533		
<b>Technical Severity:</b>	High	<b>Probability:</b>	Low
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Monitoring
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	OAM - Operations, Admin & Maintenance
<b>Symptom:</b>	User will experience that while using Y1731 Scheduled Delay measurement sessions, for some of the session the statistics might be displaying incorrect values.		
<b>Condition:</b>	The issue is observed while user is using Y1731 scheduled delay measurement with UP MEP and Psuedowire interfaces are on different Linecards.		
<b>Workaround:</b>	Issue will not be observed if PWE and UP MEP are on same line card.		

<b>Defect ID:</b>	DEFECT000657536		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 3 Routing/Network Layer
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	BGP4 - IPv4 Border Gateway Protocol
<b>Symptom:</b>	Daemon imi would terminate.		
<b>Condition:</b>	With 1199 IPv4 and 1199 IPv6 BGP sessions in non-default vrf (user vrf) with no trigger		

<b>Defect ID:</b>	DEFECT000657737		
<b>Technical Severity:</b>	High	<b>Probability:</b>	Medium
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	MPLS
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	BGP/MPLS VPN
<b>Symptom:</b>	vrf route programming could be affected post mpls triggers		
<b>Condition:</b>	vrf route programming could be affected post mpls triggers		

<b>Defect ID:</b>	DEFECT000657773		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	VXLAN - Virtual Extensible LAN
<b>Symptom:</b>	Vxlan tunnel CCEP client local state stayed down sometimes		
<b>Condition:</b>	Vxlan tunnel CCEP client local state stayed down sometime		

<b>Defect ID:</b>	DEFECT000657808		
<b>Technical Severity:</b>	High	<b>Probability:</b>	Medium
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	MPLS
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	BGP/MPLS VPN
<b>Symptom:</b>	traffic for certain VRF could have issues post HA		
<b>Condition:</b>	traffic for certain VRF could have issues post HA		

<b>Defect ID:</b>	DEFECT000657812		
<b>Technical Severity:</b>	High	<b>Probability:</b>	Medium
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	VLAN - Virtual LAN
<b>Symptom:</b>	LC in reload loop after power cycling LC. due to memory corruption.		
<b>Condition:</b>	LC in reload loop after power cycling LC. due to memory corruption.		
<b>Workaround:</b>	There is no known workaround.		



<b>Defect ID:</b>	DEFECT000657818		
<b>Technical Severity:</b>	High	<b>Probability:</b>	Low
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 3 Routing/Network Layer
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	ICMP - Internet Control Message Protocol
<b>Symptom:</b>	Configuring 'ip icmp redirect' or "ipv6 icmpv6 redirect" on an interface is not generating ICMP redirect packets, if the system receives a IPv4/IPv6 packet, that requires ICMP redirection.		
<b>Condition:</b>	Failure to generate ICMP and ICMPv6 redirect packets, even if ICMP or ICMPv6 redirection is configured on an interface.		
<b>Workaround:</b>	There is no work around available for this at this point.		
<b>Recovery:</b>	There is no system failures or adverse impact on the system performance due to the ICMP redirect configuration failure.		

<b>Defect ID:</b>	DEFECT000657834		
<b>Technical Severity:</b>	High	<b>Probability:</b>	Low
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	MCT - Multi-Chassis Trunking
<b>Symptom:</b>	When cluster client is configured on only one peer, the remote client status is displayed as 'Down' instead of 'Undep' for clients with manually configured ESI. This may result in the client interface being elected as Designated Forwarder even before the client is configured on the MCT peer		
<b>Condition:</b>	Incomplete MCT cluster client configuration, i.e., configuring the client and deploying it on one peer only		
<b>Workaround:</b>	To prevent the issue, keep the client interfaces shutdown until the client configuration is done on both peers		
<b>Recovery:</b>	To recover, configure the client on the other peer and bring the client interface UP		

<b>Defect ID:</b>	DEFECT000657888		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 3 Routing/Network Layer
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	VRRPv2 - Virtual Router Redundancy Protocol Version 2
<b>Symptom:</b>	The ARP daemon may undergo an unusual restart if a large number of packets are queued for processing		
<b>Condition:</b>	Running VRRPE		

<b>Defect ID:</b>	DEFECT000657921		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	MPLS
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	MPLS VPLS - Virtual Private LAN Services
<b>Symptom:</b>	Mac address is not learned in the software mac address table but learned in the hardware		
<b>Condition:</b>	When bridge domain configuration is deleted and added immediately back to back, mac address are not removed hardware and not re-learned in the software.		
<b>Workaround:</b>	When bridge domain configuration is removed, re-add the configuration after few seconds of delay.		
<b>Recovery:</b>	Delete the bridge domain configuration again add it after few seconds of delay		

<b>Defect ID:</b>	DEFECT000657958		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	VXLAN - Virtual Extensible LAN
<b>Symptom:</b>	Tunnel destination IP displayed in the "sh mac" output is not after HA failover.		
<b>Condition:</b>	Tunnel destination IP displayed in the "sh mac" output is not after HA failover.		

<b>Defect ID:</b>	DEFECT000657981		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	VXLAN - Virtual Extensible LAN
<b>Symptom:</b>	After removing and reading the EVPN, DF election for Vxlan CCEP client are not correct which results in traffic issue for unknown unicast traffic		
<b>Condition:</b>	After removing and reading the EVPN, DF election for Vxlan CCEP client are not correct which results in traffic issue for unknown unicast traffic		

<b>Defect ID:</b>	DEFECT000657989		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	VXLAN - Virtual Extensible LAN
<b>Symptom:</b>	When 4K BDs are extended and BGP EVPN Address family is removed and re-added, tunnel delete and recreate is triggered. I2sys process termination is seen,		
<b>Condition:</b>	When 4K BDs are extended and BGP EVPN Address family is removed and re-added, tunnel delete and recreate is triggered. I2sys process termination is seen,		

<b>Defect ID:</b>	DEFECT000658022		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Management
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	CLI - Command Line Interface
<b>Symptom:</b>	UDA Access List rule values will be displayed without the preceding zeros in output of show commands.		
<b>Condition:</b>	Defect is seen when user displays operational/statistical data for UDA Access Lists		

<b>Defect ID:</b>	DEFECT000658029		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	MPLS
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	MPLS VPLS - Virtual Private LAN Services
<b>Symptom:</b>	Change in IP MTU does not affect LDP PDU advertised in LDP init message		
<b>Condition:</b>	User has LDP enabled MPLS interfaces.		

<b>Defect ID:</b>	DEFECT000658042		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	MPLS
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	MPLS VPLS - Virtual Private LAN Services
<b>Symptom:</b>	VPLS Traffic drop observed		
<b>Condition:</b>	When VPLS peer load balanced with multiple LSPs/path, traffic drop will seen rarely when continuously flapping two different paths.		
<b>Workaround:</b>	"clear mpls lsp all" will recover from this issue.		

<b>Defect ID:</b>	DEFECT000658055		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	MCT - Multi-Chassis Trunking
<b>Symptom:</b>	After HA failover with MCT configuration, the remote state of clients with auto ESI configuration are not synchronized. The ESI values of the same client appear different on the two MCT peers		
<b>Condition:</b>	Issue is seen after HA failover on one MCT peer with auto ESI clients in deployed state		
<b>Workaround:</b>	Ways to avoid the issue is to un-deploy clients with auto ESI on both peers before HA failover and re-deploy them after failover		
<b>Recovery:</b>	Perform client 'no deploy' followed by 'deploy'		

<b>Defect ID:</b>	DEFECT000658058		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	MCT - Multi-Chassis Trunking
<b>Symptom:</b>	'show ip ospf neighbors' shows OSPF to be in INIT state		
<b>Condition:</b>	High EVPN VLAN range and HA failover with EVPN and cluster configuration. ARP and OSPF remains unresolved for VEs over some of the EVPN VLANs after HA failover.		
<b>Recovery:</b>	clear ip bgp neighbors <peer-ip>		

<b>Defect ID:</b>	DEFECT000658143		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 3 Routing/Network Layer
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	BGP4 - IPv4 Border Gateway Protocol
<b>Symptom:</b>	Route profile is not disabled after system reload		
<b>Condition:</b>	The user might see the discrepancy when the command is successful but the database is not updated		
<b>Workaround:</b>	It is minimal impact and there is workaround. Users can do "copy running-config to startup-config" instead off copying to flash and reload the system.		

<b>Defect ID:</b>	DEFECT000658161		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	MCT - Multi-Chassis Trunking
<b>Symptom:</b>	Duplicate forwarding may be seen on certain MCT client interfaces using LACP port-channel to connect to the ethernet segment		
<b>Condition:</b>	Issue may be seen after cluster no deploy/deploy on L2 clients using LACP port-channel		
<b>Workaround:</b>	<ol style="list-style-type: none"> <li>1. Shutting down client interface using LACP configuration before performing no deploy/deploy of the cluster</li> <li>2. Using 'client-interface-shutdown' configuration on the cluster before 'no deploy' on the cluster</li> </ol>		
<b>Recovery:</b>	To recover from the issue, remove and recreate the VLAN where the double forwarding is seen		

<b>Defect ID:</b>	DEFECT000658167		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 3 Routing/Network Layer
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	BGP4 - IPv4 Border Gateway Protocol
<b>Symptom:</b>	L3VPN routes are not installed after HA failover when BGP GR is enabled		
<b>Condition:</b>	After HA-failover with BGP GR enabled in Address Family IPv4 unicast		
<b>Workaround:</b>	Disable BGP GR in Address Family IPv4 unicast		
<b>Recovery:</b>	clear bgp neighbor		

<b>Defect ID:</b>	DEFECT000658169		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	MCT - Multi-Chassis Trunking
<b>Symptom:</b>	Router or Line card reset after performing multiple operations like cluster deploy/no deploy, no cluster and cluster re-configuration, clear mpls lsp all.		
<b>Condition:</b>	Seen on setups with more than 3K VLANs, 40+ clients and several L3 routes after triggers like cluster deploy/no deploy, no cluster and cluster re-configuration, clear mpls lsp all, keeping all client interfaces in UP state		
<b>Workaround:</b>	To avoid seeing the issue, reduce EVPN VLAN scale before performing disruptive cluster operations like deploy/no deploy, cluster reconfiguration, clear mpls lsp etc		

<b>Defect ID:</b>	DEFECT000658223		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	MCT - Multi-Chassis Trunking
<b>Symptom:</b>	MCT client status is down.		
<b>Condition:</b>	When EVPN instance is delete and re-configured.		
<b>Recovery:</b>	clear bgp evpn neighbor <MCT-PEER>		

<b>Defect ID:</b>	DEFECT000658271		
<b>Technical Severity:</b>	High	<b>Probability:</b>	Medium
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	MCT - Multi-Chassis Trunking
<b>Symptom:</b>	Customer experiences reboot.		
<b>Condition:</b>	If MCT cluster configuration is done on a dual MM F4 chassis, MCDS management cluster will form. After this if HA failover happens, then on the new active you might experience this issue (of reboot).		
<b>Workaround:</b>	Delete /etc/fabos/Mcdsd/Mcdsd.cfg and reboot to recover from this state.		

<b>Defect ID:</b>	DEFECT000658887		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Management
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	CLI - Command Line Interface
<b>Symptom:</b>	Firmware download through RESTAPI/RESTCONF will not work in releases < SLXOS17r.2.01		
<b>Condition:</b>	Firmware download through RESTAPI/RESTCONF		
<b>Recovery:</b>	Please use firmware SLXOS17r.2.01		

<b>Defect ID:</b>	DEFECT000659414		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	MPLS
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	MPLS VPLS - Virtual Private LAN Services
<b>Symptom:</b>	For a load-balanced VPLS PWs, traffic will get egress only through limited lsp/paths even though it is load balanced with multiple lsps/tunnels.		
<b>Condition:</b>	flap/shut-down two LSP paths back to back will intermittently trigger this issue		
<b>Recovery:</b>	Clearing all/problematic mpls lsps will recover the issue. clear mpls lsp all clear mpls lsp name <problematic lsp name>		

<b>Defect ID:</b>	DEFECT000659518		
<b>Technical Severity:</b>	High	<b>Probability:</b>	Medium
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	MPLS
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	IP over MPLS
<b>Symptom:</b>	MPLS process restarted		
<b>Condition:</b>	LDP session with another peer has gone down.		

<b>Defect ID:</b>	DEFECT000659555		
<b>Technical Severity:</b>	High	<b>Probability:</b>	Medium
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	MPLS
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	MPLS VPLS - Virtual Private LAN Services
<b>Symptom:</b>	Bridge Domain doesn't learn MAC from remote peer after reload		
<b>Condition:</b>	If the bulk download of the LIFs configured is in multiple chunks and last download has the last LIF from AC LIF, then BD VIF LIF download fails		
<b>Recovery:</b>	Reconfigure Bridge Domain peers		

<b>Defect ID:</b>	DEFECT000659648		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Traffic Management
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	Rate Limiting and Shaping
<b>Symptom:</b>	Device will go for unexpected reload when the "show storm-control broadcast" command is executed.		
<b>Condition:</b>	Interface should have co-existence of both service-policy and storm-control for BUM.		
<b>Workaround:</b>	"show storm-control" CLI will display the details of all configured storm-control policers. .		

<b>Defect ID:</b>	DEFECT000659681		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 3 Routing/Network Layer
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	IP Addressing
<b>Symptom:</b>	Unexpected logical interface config errors were seen		
<b>Condition:</b>	Interface port-channel is deleted from configuration before its logical interfaces are removed from bridge-domain configurations		
<b>Workaround:</b>	Remove all associated logical interfaces under a port channel, before deleting a port-channel		

<b>Defect ID:</b>	DEFECT000659853		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	MCT - Multi-Chassis Trunking
<b>Symptom:</b>	Traffic is duplicated and sent on wrong Pseudo wire for some MCT nodes		
<b>Condition:</b>	User has issued a high availability MM failover command.		

<b>Defect ID:</b>	DEFECT000659987		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	MCT - Multi-Chassis Trunking
<b>Symptom:</b>	VRRPE MACs are displayed wrongly as EVPN static.		
<b>Condition:</b>	Removal and addition of cluster configuration.		

<b>Defect ID:</b>	DEFECT000659988		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 3 Routing/Network Layer
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	IP Addressing
<b>Symptom:</b>	RACL doesn't work in when using profile route-enhance hw_opt		
<b>Condition:</b>	RACL doesn't work in when using profile route-enhance hw_opt		

<b>Defect ID:</b>	DEFECT000660196		
<b>Technical Severity:</b>	Critical	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Monitoring
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	sFlow
<b>Symptom:</b>	sFlow collector IPv4 address configuration in 23.x.x.x range are rejected with the error "Given IP is Invalid for Sflow collector".		
<b>Condition:</b>	The issue occurs since there was an error in deciding if it's a multicast address (224.x.x.x. through 239.x.x.x). Note that, multicast addresses can not be used as sFlow collector address.		



<b>Defect ID:</b>	DEFECT000660243		
<b>Technical Severity:</b>	High	<b>Probability:</b>	Medium
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 3 Routing/Network Layer
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	OSPF - IPv4 Open Shortest Path First
<b>Symptom:</b>	Default TPID of 8100 was used in L3 packets being sent out of VE interfaces are using instead of the configured tag-type 9200.		
<b>Condition:</b>	When a non-default tpid is configured.		
<b>Recovery:</b>	Removing and re-configuring the configured tag-type again		

<b>Defect ID:</b>	DEFECT000660555		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	VLAN - Virtual LAN
<b>Symptom:</b>	Internal CSMH debug command "hslagt lif trace start-tracing" did not restart tracing after it's stopped.		
<b>Condition:</b>	After "hslagt lif trace start-tracing" was stopped, it could not be restarted.		

<b>Defect ID:</b>	DEFECT000660636		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	MCT - Multi-Chassis Trunking
<b>Symptom:</b>	Traffic loss is being observed.		
<b>Condition:</b>	High availability fail-over of MM module.		

## Closed without code changes 17r.2.01

This section lists software defects with Critical, High, and Medium Technical Severity closed without a code change as of **3/15/2018** in 17r.2.01.

<b>Defect ID:</b>	DEFECT000616456	<b>Technical Severity:</b>	Medium
<b>Reason Code:</b>	Design Limitation	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 3 Routing/Network Layer
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	ARP - Address Resolution Protocol
<b>Symptom:</b>	<p>Customer will see an extra MAC learnt on tunnel with wrong Vlan and Interface.</p> <p>The extra MAC is the MAC belonging to the remote Router Port Interface, which comes to the local node as the outer header L2 hdr SA-MAC.</p> <p>This would happen only when the customer has a static-Vxlan Tunnel configured using a router-port underlay.</p> <p>Issue seen when:</p> <ol style="list-style-type: none"> <li>1. Have a Static Vxlan tunnel.</li> <li>2. Use router port for underlay.</li> </ol> <p>Issue not seen in:</p> <ol style="list-style-type: none"> <li>1. If underlay is VE and static-Vxlan, issue not seen.</li> <li>2. If EVPN-Vxlan tunnel issue won't be seen.</li> </ol>		
<b>Condition:</b>	Issue seen only when the customer has a static-Vxlan Tunnel configured using a router-port underlay.		

<b>Defect ID:</b>	DEFECT000633316	<b>Technical Severity:</b>	High
<b>Reason Code:</b>	Not Reproducible	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	IP Multicast
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	PIM - Protocol- Independent Multicast
<b>Symptom:</b>	few mcache entries may be seen in PIM. There is no impact to traffic.		
<b>Condition:</b>	In a linear kind of topology where the RP is residing away from the source and further away from receiver.		
<b>Workaround:</b>	RP should be between source and receiver.		
<b>Recovery:</b>	clear the mcache using clear command.		

<b>Defect ID:</b>	DEFECT000636674	<b>Technical Severity:</b>	High
<b>Reason Code:</b>	Not Reproducible	<b>Probability:</b>	Medium
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.1.00	<b>Technology:</b>	MCT - Multi-Chassis Trunking
<b>Symptom:</b>	After HA-failover in stress condition, user experiences some traffic issues due to some stale LIF configuration not cleaned-up properly during HA-failover.		
<b>Condition:</b>	<p>The trigger for this issue is as below</p> <ol style="list-style-type: none"> <li>1. Large scale setup with around thousands of LIFs &amp; 100K Macs.</li> <li>2. Do MCT cluster no-deploy.</li> <li>3. Before actual completion of step (2), initiate HA-failover.</li> <li>4. On the newly active MM, trigger MCT cluster deploy.</li> </ol>		

<b>Defect ID:</b>	DEFECT000638200	<b>Technical Severity:</b>	High
<b>Reason Code:</b>	Not Reproducible	<b>Probability:</b>	Medium
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 3 Routing/Network Layer
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	OSPF - IPv4 Open Shortest Path First
<b>Symptom:</b>	<p>?MCT Cluster peer address is cannot be nexthop IP address. It is required to be the peer router ID if configured or peer loopback IP address?.</p> <p>The goal is to have an unchanged router ID with an explicit configuration or using loopback which is also expected not to be removed.</p>		
<b>Condition:</b>	This issue will be seen if the MCT Cluster peer address is not matching with the BGP router-id.		

<b>Defect ID:</b>	DEFECT000640885	<b>Technical Severity:</b>	High
<b>Reason Code:</b>	Not Reproducible	<b>Probability:</b>	Low
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	MPLS
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	MPLS VPLS - Virtual Private LAN Services
<b>Symptom:</b>	"HW create LIF failed" message observed on console after reload		
<b>Condition:</b>	May occur on scaled configuration with MCT.		

<b>Defect ID:</b>	DEFECT000643758	<b>Technical Severity:</b>	High
<b>Reason Code:</b>	Not Reproducible	<b>Probability:</b>	Low
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Management
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	Configuration Fundamentals
<b>Symptom:</b>	When an LC reboots, traffic forwarding for certain streams going out on ICL link could be affected.		
<b>Condition:</b>	The issue happens when a line card is rebooted.		

<b>Defect ID:</b>	DEFECT000649356	<b>Technical Severity:</b>	High
<b>Reason Code:</b>	Not Reproducible	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 3 Routing/Network Layer
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	IPv6 Addressing
<b>Symptom:</b>	HA : ipv6 nd router preference goes to default value after HA even though non-default value is configured		
<b>Condition:</b>	Doing HA with non default ipv6 nd router preference		

<b>Defect ID:</b>	DEFECT000653955	<b>Technical Severity:</b>	High
<b>Reason Code:</b>	Not Reproducible	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	MPLS
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	MPLS Traffic Engineering
<b>Symptom:</b>	User may see MPLS traffic drop when HA fail-over is executed.		
<b>Condition:</b>	MPLS with RSVP configuration and HA fail-over is performed(High availability)		

<b>Defect ID:</b>	DEFECT000653998	<b>Technical Severity:</b>	High
<b>Reason Code:</b>	Not Reproducible	<b>Probability:</b>	Medium
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	IP Multicast
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	PIM - Protocol-Independent Multicast
<b>Symptom:</b>	Customer can see console logs on line card like "hslagt_mcast_brcm_add_fec_entry: Error in bcm_l3_egress_create rc: -7, bcm_errmsg: Entry not found".		
<b>Condition:</b>	When PIM OIF interfaces are getting added to multicast cache there are chances to notice these logs.		
<b>Recovery:</b>	Recovery is not needed since there should not be any traffic issues with these logs.		

<b>Defect ID:</b>	DEFECT000655324	<b>Technical Severity:</b>	Medium
<b>Reason Code:</b>	Not Reproducible	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	MCT - Multi-Chassis Trunking
<b>Symptom:</b>	After a failover to the backup MM, there is the remote possibility that the NSM process will fail..		
<b>Condition:</b>	The configuration that is resulting in the NSM process failing after failover to the backup MM has not been identified yet.		

<b>Defect ID:</b>	DEFECT000656251	<b>Technical Severity:</b>	High
<b>Reason Code:</b>	Not Reproducible	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	MCT - Multi-Chassis Trunking
<b>Symptom:</b>	when evpn instance is deleted there could be issues with management cluster		
<b>Condition:</b>	when evpn instance is deleted there could be issues with management cluster		

<b>Defect ID:</b>	DEFECT000656254	<b>Technical Severity:</b>	High
<b>Reason Code:</b>	Not Reproducible	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	MCT - Multi-Chassis Trunking
<b>Symptom:</b>	When evpn instance is deleted management Cluster may not form		
<b>Condition:</b>	When evpn instance is deleted management Cluster may not form		

<b>Defect ID:</b>	DEFECT000656408	<b>Technical Severity:</b>	High
<b>Reason Code:</b>	Not Reproducible	<b>Probability:</b>	Medium
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 3 Routing/Network Layer
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	OSPF - IPv4 Open Shortest Path First
<b>Symptom:</b>	OSPF sessions flap when sending traffic at 30% line rate		
<b>Condition:</b>	issue happens only in scaled setup with 2048 sessions		

<b>Defect ID:</b>	DEFECT000656577	<b>Technical Severity:</b>	High
<b>Reason Code:</b>	Not Reproducible	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 3 Routing/Network Layer
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	BGP4+ - IPv6 Border Gateway Protocol
<b>Symptom:</b>	System would respond slow in displaying BGP show commands		
<b>Condition:</b>	The system has 346 BGP sessions UP and learns 9M RIB-IN routes from 128 RIB-IN neighbors		

<b>Defect ID:</b>	DEFECT000656895	<b>Technical Severity:</b>	High
<b>Reason Code:</b>	Not Reproducible	<b>Probability:</b>	Medium
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	MPLS
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	MPLS VPLS - Virtual Private LAN Services
<b>Symptom:</b>	lsp may not come up after ha failover		
<b>Condition:</b>	lsp may not come up after ha failover when having more than 100 lsp and 200 bd		

<b>Defect ID:</b>	DEFECT000656930	<b>Technical Severity:</b>	High
<b>Reason Code:</b>	Not Reproducible	<b>Probability:</b>	Medium
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 3 Routing/Network Layer
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	Static Routing (IPv4)
<b>Symptom:</b>	System reload might be seen when new IP is configured to overwrite duplicate IP previously configured on management interface		
<b>Condition:</b>	Overwriting duplicate IP previously configured on management interface		

<b>Defect ID:</b>	DEFECT000656960	<b>Technical Severity:</b>	High
<b>Reason Code:</b>	Not Reproducible	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 3 Routing/Network Layer
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	BGP4 - IPv4 Border Gateway Protocol
<b>Symptom:</b>	Daemon bgpd would terminate .		
<b>Condition:</b>	The system has 256K unique routes with 34 BGP RIB-IN neighbors. 256K routes are learned from each RIB-IN neighbor making a total RIB-IN of 9M. 256K unique routes are advertised to 54 RIB-OUT neighbors (256K * 54 = 14M RIB-OUT in total).		

<b>Defect ID:</b>	DEFECT000656978	<b>Technical Severity:</b>	High
<b>Reason Code:</b>	Not Reproducible	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 3 Routing/Network Layer
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	BGP4 - IPv4 Border Gateway Protocol
<b>Symptom:</b>	With "clear ip bgp neighbor all" BGP takes additional time to re-establish		
<b>Condition:</b>	There are 2400 BGP sessions configured with 9M RIB-IN routes in total and 14M RIB-OUT routes in total.		

<b>Defect ID:</b>	DEFECT000657194	<b>Technical Severity:</b>	High
<b>Reason Code:</b>	Not Reproducible	<b>Probability:</b>	Low
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Monitoring
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	RAS - Reliability, Availability, and Serviceability
<b>Symptom:</b>	During the collection of SupportSave information, there is the remote possibility that the IMI process will fail.		
<b>Condition:</b>	The configuration that is resulting in the IMI process failing during SupportSave collection has not been identified yet.		

<b>Defect ID:</b>	DEFECT000657294	<b>Technical Severity:</b>	Medium
<b>Reason Code:</b>	Not Reproducible	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	xSTP - Spanning Tree Protocols
<b>Symptom:</b>	System can terminate on Line Card when node is rebooting with 4k VLAN config.		
<b>Condition:</b>	Line card system terminates when default config is copied to startup.		
<b>Workaround:</b>	No known workaround.		

<b>Defect ID:</b>	DEFECT000657363	<b>Technical Severity:</b>	High
<b>Reason Code:</b>	Not Reproducible	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	xSTP - Spanning Tree Protocols
<b>Symptom:</b>	User would observe system termination and switch reboot.		
<b>Condition:</b>	Perform High Availability fail-over for multiple times repeatedly using script.		
<b>Workaround:</b>	Unlikely to see on customer setup.		

<b>Defect ID:</b>	DEFECT000657404	<b>Technical Severity:</b>	High
<b>Reason Code:</b>	Design Limitation	<b>Probability:</b>	Medium
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Monitoring
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	OAM - Operations, Admin & Maintenance
<b>Symptom:</b>	For the below rest queries, "/rest/operational-state/cfm-state/cfm-detail" "/rest/operational-state/cfm-state/cfm-connectivity", If there are multiple domains configured, rest output will show only the first configured domain and will skip the remaining domains.		
<b>Condition:</b>	User will observe the issue only while executing specific REST queries with 8021ag where multiple domains are configured.		

<b>Defect ID:</b>	DEFECT000657531	<b>Technical Severity:</b>	High
<b>Reason Code:</b>	Not Reproducible	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	MPLS
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	MPLS VPLS - Virtual Private LAN Services
<b>Symptom:</b>	VPLS/MPLS traffic drop at transit node		
<b>Condition:</b>	In MPLS network with high scale of LSPs and ip routes, HA failover of Egress PE will rarely cause this issue		
<b>Recovery:</b>	clear RSVP sessions will recover from the issue.		



<b>Defect ID:</b>	DEFECT000657645	<b>Technical Severity:</b>	High
<b>Reason Code:</b>	Not Reproducible	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 3 Routing/Network Layer
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	ARP - Address Resolution Protocol
<b>Symptom:</b>	With Scaled ARP scenario if we remove/add Anycast IP, there could be ARP daemon termination.		
<b>Condition:</b>	With Scaled ARP scenario if we remove/add Anycast IP, there could be ARP daemon termination.		

<b>Defect ID:</b>	DEFECT000657919	<b>Technical Severity:</b>	High
<b>Reason Code:</b>	Not Reproducible	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 3 Routing/Network Layer
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	BGP4 - IPv4 Border Gateway Protocol
<b>Symptom:</b>	Vxlan Tunnel is not created.		
<b>Condition:</b>	With manual RD/RT per VLAN, EVPN instance deleted and re-configured.		
<b>Recovery:</b>	"clear bgp evpn neighbor all"		

<b>Defect ID:</b>	DEFECT000657971	<b>Technical Severity:</b>	High
<b>Reason Code:</b>	Not Reproducible	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Management
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	High Availability
<b>Symptom:</b>	NSM terminating with EVPN config on standby MM after MM failover.		
<b>Condition:</b>	Issue is seen when switch is loaded with EVPN config and HA failover is executed. Issue is not consistent.		

<b>Defect ID:</b>	DEFECT000658026	<b>Technical Severity:</b>	High
<b>Reason Code:</b>	Will Not Fix	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	MPLS
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	MPLS VPLS - Virtual Private LAN Services
<b>Symptom:</b>	Ping may not work for Inband-managment using VEOVPLS under conditions of internet route scale		
<b>Condition:</b>	Running internet route scale when box is operating at capacity threshold		

<b>Defect ID:</b>	DEFECT000658057	<b>Technical Severity:</b>	High
<b>Reason Code:</b>	Not Reproducible	<b>Probability:</b>	Medium
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Management
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	High Availability
<b>Symptom:</b>	After the Standby MM becomes the Active MM, it is possible for NSM on the new Active MM to initially be so busy that it cannot handle all requests from the NSM clients in a timely manner. This could result in the NSM client failing while it is waiting for NSM to process its request. This would only happen on systems with huge configurations.		
<b>Condition:</b>	The configuration that would result in the failing of the NSM client has not been identified yet.		

<b>Defect ID:</b>	DEFECT000658163	<b>Technical Severity:</b>	High
<b>Reason Code:</b>	Not Reproducible	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Management
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	High Availability
<b>Symptom:</b>	Component state changes are not synced to linecards after HA failover.		
<b>Condition:</b>	Issue was seen after issuing a HA failover.		
<b>Recovery:</b>	Reboot the linecard.		

<b>Defect ID:</b>	DEFECT000658401	<b>Technical Severity:</b>	High
<b>Reason Code:</b>	Not Reproducible	<b>Probability:</b>	Medium
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Management
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	Configuration Fundamentals
<b>Symptom:</b>	Dcmd process terminates when the "format RFC-5424" command is added to the "logging syslog-server..." configuration.		
<b>Condition:</b>	Dcmd process terminates when the "format RFC-5424" command is added to the "logging syslog-server..." configuration.		
<b>Workaround:</b>	No workaround.		

<b>Defect ID:</b>	DEFECT000658585	<b>Technical Severity:</b>	High
<b>Reason Code:</b>	Will Not Fix	<b>Probability:</b>	Medium
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Management
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	Configuration Fundamentals
<b>Symptom:</b>	After system boots up.		
<b>Condition:</b>	After system boots up.		
<b>Workaround:</b>	1) Copy flash://startup-config flash://temp-startup-config 2) Copy flash://temp-startup-config startup-config 3) reload		

## Known issues 17r.2.01

This section lists open software defects with Critical, High, and Medium Technical Severity as of **3/15/2018** in 17r.2.01.

<b>Defect ID:</b>	DEFECT000627194		
<b>Technical Severity:</b>	High	<b>Probability:</b>	Medium
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Management
<b>Reported In Release:</b>	SLXOS 17s.1.00	<b>Technology:</b>	Configuration Fundamentals
<b>Symptom:</b>	Switch terminates while executing REST requests		
<b>Condition:</b>	This happens in a stressed out environment where the switch is pounded with the REST requests from multiple sources simultaneously for a long time.		

<b>Defect ID:</b>	DEFECT000635924		
<b>Technical Severity:</b>	High	<b>Probability:</b>	Medium
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 3 Routing/Network Layer
<b>Reported In Release:</b>	SLXOS 17r.1.00	<b>Technology:</b>	ARP - Address Resolution Protocol
<b>Symptom:</b>	Layer 3 traffic forwarding is affected for few Layer 3 interface on enabling RSTP.		
<b>Condition:</b>	Enable RSTP with 512 VLAN/VE and 512 BGP sessions.		
<b>Workaround:</b>	Enable RSTP before configuring or enabling Layer 3 interfaces.		
<b>Recovery:</b>	Clear the ARP associated with the route's nexthop IP address. (or) Clear the mac table associated with the VLAN/VE interface.		

<b>Defect ID:</b>	DEFECT000639016		
<b>Technical Severity:</b>	High	<b>Probability:</b>	Low
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	IP Multicast
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	PIM - Protocol-Independent Multicast
<b>Symptom:</b>	With More then or equal to 24k mache entries the entries keeps fluctuating by number. with ~20k entries this issue will not be observed. As expected traffic loss might occur due to this for some SG entries.		
<b>Condition:</b>	This happens only when there are more then 20k mache entries.		

<b>Defect ID:</b>	DEFECT000639074		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	MPLS
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	MPLS VPLS - Virtual Private LAN Services
<b>Symptom:</b>	In case of vpls scenario, packets may egress out on the PW uplink as corrupted, without an mpls label.		
<b>Condition:</b>	When a large no of PW are configured, packets on some PW may egress out corrupted if the underlying interface is either vlan untagged or router port. This will happen when protected path configured as strict, while vpls traffic is riding on bypass path.		
<b>Workaround:</b>	Using vlan tagged port for the PW underlying interface would resolve the issue.		

<b>Defect ID:</b>	DEFECT000639584		
<b>Technical Severity:</b>	High	<b>Probability:</b>	Low
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	IP Multicast
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	PIM - Protocol-Independent Multicast
<b>Symptom:</b>	This issue may cause transient traffic loss until all the missing S G entries are re-converged back. max upto 60 sec for the affected flows.		
<b>Condition:</b>	ECMP enabled and having multiple paths between two devices. if one of link is flap this issue could be seen.		

<b>Defect ID:</b>	DEFECT000639931		
<b>Technical Severity:</b>	High	<b>Probability:</b>	Low
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	MPLS
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	MPLS VPLS - Virtual Private LAN Services
<b>Symptom:</b>	VPLS FRR bypass traffic will not work if the bypass LSP rides over physical interface		
<b>Condition:</b>	This a known limitation in VPLS bypass FRR where the bypass LSP should configured only in VE interfaces. Bringing up bypass LSP over router interface will have impact in vpls traffic if PW uses this specific tunnel.		

<b>Defect ID:</b>	DEFECT000640960		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	Low
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Management
<b>Reported In Release:</b>	SLXOS 17r.1.00	<b>Technology:</b>	Software Installation & Upgrade
<b>Symptom:</b>	At Linux shell, "bash: /var/log/shell_activity.log: Permission denied " message will be shown, on execution of any command.		
<b>Condition:</b>	"/var/log/shell_activity.log" file is used to log user entered commands at Linux shell. The warning message is shown, if "/var/log/shell_activity.log" file permission is manually changed to read only or if the file itself is removed from the device.		
<b>Workaround:</b>	Avoid changing the permission of "/var/log/shell_activity.log" file		
<b>Recovery:</b>	Execute ?start-shell? command, ignore the warning message and escalate privilege for root access using ?su root? command. Create shell_activity.log file under "/var/log/" directory if it does not exist and provide 0666 permission		

<b>Defect ID:</b>	DEFECT000643918		
<b>Technical Severity:</b>	High	<b>Probability:</b>	Medium
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	IP Multicast
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	IPv4 Multicast Routing
<b>Symptom:</b>	Traffic loss for the SG entries which are not registered with any cast RP,		
<b>Condition:</b>	This issue happens when we have mixed topology with RP and anycast RP in the same domain.		
<b>Workaround:</b>	configure all the nodes with anycast RP this issue will not be seen.		

<b>Defect ID:</b>	DEFECT000643957		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 3 Routing/Network Layer
<b>Reported In Release:</b>	SLXOS 17s.1.01	<b>Technology:</b>	Static Routing (IPv4)
<b>Symptom:</b>	Due to software defect, User can configure system MAC as Static Anycast Gateway MAC		
<b>Condition:</b>	user will be observe this issue with Static Anycast Gateway MAC feature for IPFabric		

<b>Defect ID:</b>	DEFECT000644556		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Management
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	Configuration Fundamentals
<b>Symptom:</b>	During MM failover, while the standby MM becomes active, process L2sysd may be terminated and restarted.		
<b>Condition:</b>	The issue may happen with MCT VPN scaling configuration.		
<b>Recovery:</b>	After process L2sysd is restarted, the system will work fine.		

<b>Defect ID:</b>	DEFECT000645924		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 3 Routing/Network Layer
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	MBGP - Multiprotocol Border Gateway Protocol
<b>Symptom:</b>	Total number of BGP EVPN Routes includes valid routes and filtered routes		
<b>Condition:</b>	BGP EVPN routes are filtered with mismatch Route Target.		

<b>Defect ID:</b>	DEFECT000648772		
<b>Technical Severity:</b>	High	<b>Probability:</b>	Low
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 3 Routing/Network Layer
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	BGP4 - IPv4 Border Gateway Protocol
<b>Symptom:</b>	Jumbo frames are not supported in BGP		
<b>Condition:</b>	Running BGP with jumbo frame configuration		

<b>Defect ID:</b>	DEFECT000649765		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	LAG - Link Aggregation Group
<b>Symptom:</b>	During reload with LAG configuration, some unnecessary logs are coming on console. There is no impact on functionality.		
<b>Condition:</b>	Logs comes during reload with LAG configuration.		
<b>Workaround:</b>	No workaround		
<b>Recovery:</b>	No impact on functionality		

<b>Defect ID:</b>	DEFECT000650830		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Management
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	SNMP - Simple Network Management Protocol
<b>Symptom:</b>	Appears to be no method to clear SNMP statistics and no config option to allow "clear counters all" to clear SNMP stats or not (like the NI "snmp-server preserve-statistics" command)		
<b>Condition:</b>	snmpget/snmpwalk on ifMIB objects representing interface statistics.		

<b>Defect ID:</b>	DEFECT000650998		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Management
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	Configuration Fundamentals
<b>Symptom:</b>	User will experience MEP timeout in a highly scaled setup, With more than 7000 MEPs configured over VLL.		
<b>Condition:</b>	User will observe the issue if user has configured more than 7000 MEPs on both ends of the VLL service.		
<b>Workaround:</b>	User can spread the session across multiple Line cards in such scale scenarios.		

<b>Defect ID:</b>	DEFECT000651257		
<b>Technical Severity:</b>	High	<b>Probability:</b>	Low
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Management
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	LLDP - Link Layer Discovery Protocol
<b>Symptom:</b>	Setting clock backwards using SLXCLI "clock set" will cause SDK linkscan to stop polling links. If a port is enabled after this clock set, the link will not come up. Links already up will not be affected. Also, setting clock forward doesn't have this issue.		
<b>Condition:</b>	Setting clock backward will introduce this issue.		
<b>Workaround:</b>	1. Setting clock forward to the original date/time will recover the SDK linkscan and bring up the link. Or 2. more cleanly, reload the system after setting clock backwards.		
<b>Recovery:</b>	Reload the system.		

<b>Defect ID:</b>	DEFECT000651543		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 3 Routing/Network Layer
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	ARP - Address Resolution Protocol
<b>Symptom:</b>	mpls tunnels could be programmed as DOWN in LC after multiple HA failovers		
<b>Condition:</b>	mpls tunnels could be programmed as DOWN in LC after multiple HA failovers		

<b>Defect ID:</b>	DEFECT000651575		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 3 Routing/Network Layer
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	BFD - BiDirectional Forwarding Detection
<b>Symptom:</b>	BFD over BGP with 200,200,5 timers flap randomly without any triggers		
<b>Condition:</b>	Under highly scaled environment, Multihop BFD sessions can get unstable.		
<b>Workaround:</b>	Use of fewer BFD sessions		
<b>Recovery:</b>	System should auto correct		

<b>Defect ID:</b>	DEFECT000651851		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 3 Routing/Network Layer
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	BFD - BiDirectional Forwarding Detection
<b>Symptom:</b>	Single hop BFD sessions flap on switching to multislots with 200ms timer		
<b>Condition:</b>	When BFD sessions are over multi-slot LAG interfaces with several members links, then change of topology can cause BFD sessions to flap.		
<b>Workaround:</b>	Keep the number of member links of the LAG less than 6-8		
<b>Recovery:</b>	Once flapped, session should come back online by itself.		



<b>Defect ID:</b>	DEFECT000652176		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	VLAN - Virtual LAN
<b>Symptom:</b>	Happens while creating large number of VLAN.		
<b>Condition:</b>	It is by design, when we create multiple VLAN, we create them in batch, hence we get more than one syslogs. hostname comes when creating/deleting vlan only, no impacts due to this defect		

<b>Defect ID:</b>	DEFECT000652589		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	MCT - Multi-Chassis Trunking
<b>Symptom:</b>	Firmwaredownload might fail		
<b>Condition:</b>	When HA state is not in sync and firmwaredownload is triggered then firmwaredownload might fail.		

<b>Defect ID:</b>	DEFECT000652789		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 3 Routing/Network Layer
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	ARP - Address Resolution Protocol
<b>Symptom:</b>	"show ip arp suppression-cache" has invalid port number for the entries which were learnt locally		
<b>Condition:</b>	Issue would be hitting after HA, and only for the locally learnt entries		
<b>Workaround:</b>	"show ip arp" which also displays the local entries will have proper output		

<b>Defect ID:</b>	DEFECT000652954		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Monitoring
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	Syslog
<b>Symptom:</b>	Date format in ACL logging is not correct.		
<b>Condition:</b>	When ACL is enabled with logging and 'show access-list-log buffer' is issued.		

<b>Defect ID:</b>	DEFECT000653068		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	MCT - Multi-Chassis Trunking
<b>Symptom:</b>	Mac is shown as learnt on CCL though the underlying interface is down. CLI command : "show mac-address vlan <number>"		
<b>Condition:</b>	A VXLAN tunnel is configured for the vlans and an underlying port-channel is shut.		
<b>Recovery:</b>	"clear mac-address-table cluster" will clear the mac.		

<b>Defect ID:</b>	DEFECT000653500		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Management
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	Configuration Fundamentals
<b>Symptom:</b>	During copy support, the following message may be seen, "ls: cannot access /var/log/brocade/kmem/kmem_*: No such file or directory"		
<b>Condition:</b>	During copy support, in some rare scenario, this message may be displayed.		
<b>Workaround:</b>	none is needed.		
<b>Recovery:</b>	none is needed.		

<b>Defect ID:</b>	DEFECT000653531		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	MPLS
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	MPLS VPLS - Virtual Private LAN Services
<b>Symptom:</b>	The VPLS MACs are not removed from the MAC table		
<b>Condition:</b>	When traffic is stopped after HA failover in scaled setup, VPLS MACs are not aging out.		
<b>Recovery:</b>	Executing "clear mac dynamic" cli command will remove the MACs.		

<b>Defect ID:</b>	DEFECT000653738		
<b>Technical Severity:</b>	High	<b>Probability:</b>	Low
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	MCT - Multi-Chassis Trunking
<b>Symptom:</b>	port-channel is up even though different cluster id is configured on both mct nodes.		
<b>Condition:</b>	configuring different cluster id at both mct nodes		

<b>Defect ID:</b>	DEFECT000653739		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	MCT - Multi-Chassis Trunking
<b>Symptom:</b>	User would observe MCT Client LAG interface goes online state on SLX switch which connected to MLX switch.		
<b>Condition:</b>	SLX switch configured with MCT Client LAG Interface with different client ID both MCT peer switches. Note: LACP protocol on MCT LAG interface.		
<b>Workaround:</b>	It is negative test case. User not suppose to configure different client-id on both MCT peer nodes. Keep same client-id for MCT Client LAG inteface on both MCT peer nodes		

<b>Defect ID:</b>	DEFECT000653831		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Monitoring
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	Syslog
<b>Symptom:</b>	Structured data element attr is not consistent between AUDIT and RASLOG messages.		
<b>Condition:</b>	In the syslog messages, the structured data element "attr" is not consistent between AUDIT and RASLOG messages.		
<b>Recovery:</b>	Cosmetic issue, no recovery is needed.		

<b>Defect ID:</b>	DEFECT000653869		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	VLAN - Virtual LAN
<b>Symptom:</b>	The command "show bridge-domain <id> logical-interface" will show more information than is required for some field.		
<b>Condition:</b>	The FLAG value in the o/p is greater than 0x7, in the output of the command, "show bridge-domain <id> logical-interface".		

<b>Defect ID:</b>	DEFECT000653893		
<b>Technical Severity:</b>	High	<b>Probability:</b>	Medium
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	MCT - Multi-Chassis Trunking
<b>Symptom:</b>	Unlikely unexpected reload of switch due to termination of vrrpd when switch is reloaded with VRRPE config		
<b>Condition:</b>	Termination of vrrpd can happen under unlikely scenarios when VRRPE configuration is present on the switch and switch is reloaded.		

<b>Defect ID:</b>	DEFECT000653929		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Management
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	CLI - Command Line Interface
<b>Symptom:</b>	BGP operational commands from NETCONF are not available.		

<b>Defect ID:</b>	DEFECT000654324		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	MPLS
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	MPLS VPLS - Virtual Private LAN Services
<b>Symptom:</b>	User may experience traffic drop if all MPLS interface go for flap in Layer 2 VPN MCT case.		
<b>Condition:</b>	All MPLS interfaces flaps		
<b>Recovery:</b>	Re-apply Layer 2 2VPN MCT. configuration		

<b>Defect ID:</b>	DEFECT000654558		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 3 Routing/Network Layer
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	IP Addressing
<b>Symptom:</b>	Ping not going through a TRANSIT node on a VE bounce with proxy-arp enabled and protocol applications (MULTICAST) running.		
<b>Condition:</b>	Running proxy arp under conditions of scale with triggers		

<b>Defect ID:</b>	DEFECT000654559		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	LAG - Link Aggregation Group
<b>Symptom:</b>	ARP is not being resolved		
<b>Condition:</b>	A LAG has a single interface and the router is reloaded		
<b>Recovery:</b>	Remove the lag and using the physical interface as a stand alone interface, as LAG has a single port.		

<b>Defect ID:</b>	DEFECT000654610		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	Low
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	MPLS
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	MPLS VLL - Virtual Leased Line
<b>Symptom:</b>	VPLS PW will not come operational due to vc-mode mismatch		
<b>Condition:</b>	When SLX peering with MLX for VLL tunnel and if the vc-mode configured as raw-pass through mode, the PW will not come operational if the AC interface on MLX is configured as tagged interface.		
<b>Workaround:</b>	AC interface on the MLX should configured as untagged interface for the PW to be operational		

<b>Defect ID:</b>	DEFECT000654842		
<b>Technical Severity:</b>	High	<b>Probability:</b>	Medium
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	VXLAN - Virtual Extensible LAN
<b>Symptom:</b>	Traffic loss is observed.		
<b>Condition:</b>	Mac is moved from CCEP to LVTEP remote site.		

<b>Defect ID:</b>	DEFECT000654902		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	MPLS
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	MPLS VPLS - Virtual Private LAN Services
<b>Symptom:</b>	Following will not work. 1) L3 protocols over MCT will not come up. 2) CFM 3) Logical vtep bum traffic 4) ELD protocol		
<b>Condition:</b>	Following features are not supported if the tcam profile set to "Layer-2 optimized" 1) L3 protocols over MCT will not come up. 2) CFM 3) Logical vtep bum traffic 4) ELD protocol		
<b>Workaround:</b>	Tcam profile should be set to default profile.		

<b>Defect ID:</b>	DEFECT000655079		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	VXLAN - Virtual Extensible LAN
<b>Symptom:</b>	Certain Filtering options with command - 'show mac-address mdb' like 'show mac-address mdb client <id>' or 'show mac-address mdb bridge-domain <id>' do not display the expected result		
<b>Condition:</b>	Always seen for these commands.		
<b>Workaround:</b>	Alternate commands such as 'show mac-address client <id>' or 'show mac-address bridge-domain <id>' can be used		

<b>Defect ID:</b>	DEFECT000655147		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	IP Multicast
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	IGMP - Internet Group Management Protocol
<b>Symptom:</b>	Multicast information for Bridge Domain is not shown in the REST output.		
<b>Condition:</b>	Multicast information for Bridge Domain is not available when REST is used.		

<b>Defect ID:</b>	DEFECT000655195		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	xSTP - Spanning Tree Protocols
<b>Symptom:</b>	After removing the port-channel, Show command still has the port-channel ID displayed		
<b>Condition:</b>	Not an function impact nor getting reproduced easily		

<b>Defect ID:</b>	DEFECT000655266		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	MCT - Multi-Chassis Trunking
<b>Symptom:</b>	After cluster split/join, there is a possibility of VXLAN tunnels having inconsistent tunnel id (for a given tunnel destination) across the 2 nodes of the cluster.		
<b>Condition:</b>	Cluster split/join.		
<b>Workaround:</b>	Deletion and recreation of the overlay-gateway		

<b>Defect ID:</b>	DEFECT000655278		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 3 Routing/Network Layer
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	BGP4 - IPv4 Border Gateway Protocol
<b>Symptom:</b>	Vxlan Tunnels take longer time to come up.		
<b>Condition:</b>	When VLAN-VNI mapping is deleted and re-configured.		
<b>Recovery:</b>	clear bgp evpn neighbor soft <i n   out>		

<b>Defect ID:</b>	DEFECT000655803		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Monitoring
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	OAM - Operations, Admin & Maintenance
<b>Symptom:</b>	User will experience usability issue where Y1731 SLM/DM session will not start when the bridge domain(VPLS/VLL) configuration is changed to peer load-balance.		
<b>Condition:</b>	User will observe issue while using Y1731 with Bridge domain(VPLS/VLL), followed by change in bridge domain configuration.		
<b>Workaround:</b>	Workaround is to delete and add back the MEP on A/C LIF so as to make CFM learn the Remote MEP on the updated PW LIF.		

<b>Defect ID:</b>	DEFECT000655853		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Monitoring
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	OAM - Operations, Admin & Maintenance
<b>Symptom:</b>	User will observe usability issue where Y1731 DM/SLM session will not start when peer config is assigned with lsp in bridge-domain(VPLS/VLL).		
<b>Condition:</b>	User will observe this issue while using 8021ag/Y1731 DM/SLM sessions with VPLS/VLL Bridge domain		
<b>Workaround:</b>	Workaround is to delete and add back the MEP on A/C LIF so as to make 8021ag learn the Remote MEP on the updated Pseudowire LIF.		

<b>Defect ID:</b>	DEFECT000655952		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	Medium
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Monitoring
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	Hardware Monitoring
<b>Symptom:</b>	Connected port showup as "Link up"		
<b>Condition:</b>	On a SLX9540, ethernet cable is unplugged or detached with a copper type SFP on port.		

<b>Defect ID:</b>	DEFECT000656016		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 3 Routing/Network Layer
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	BGP4 - IPv4 Border Gateway Protocol
<b>Symptom:</b>	Daemon bgpd would terminate and restart on HA even with BGP process restart configured		
<b>Condition:</b>	Significant routing configuration changes are made to observe the problem		

<b>Defect ID:</b>	DEFECT000656127		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	VXLAN - Virtual Extensible LAN
<b>Symptom:</b>	Tunnel down syslog message is not observed on syslog server.		
<b>Condition:</b>	Unconfiguring Auto Route distinguisher configuration with cli command "rd auto" .		

<b>Defect ID:</b>	DEFECT000656206		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Security
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	Security Vulnerability
<b>Symptom:</b>	Nmap tool found unknown tcp open ports that are vulnerable to attack from mgmt interface.		
<b>Condition:</b>	Unknown tcp open ports can be seen when Nmap tool is run on the device.		



<b>Defect ID:</b>	DEFECT000656211		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Management
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	SNMP - Simple Network Management Protocol
<b>Symptom:</b>	Dot1qvlancurrentegressports and Dot1qvlancurrentuntaggedports mib object values are not populated under Q-Bridge root@ubuntu14-237-4:~# root@ubuntu14-237-4:~# snmpwalk -v 2C -c cm2 10.20.100.25 1.3.6.1.2.1.17.7.1.4.2.1.4 -t 5iso.3.6.1.2.1.17.7.1.4.2.1.4 = No Such Instance currently exists at this OIdroot@ubuntu14-237-4:~#		
<b>Condition:</b>	snmpwalk/snmpget on Dot1qvlancurrentegressports and Dot1qvlancurrentuntaggedports		

<b>Defect ID:</b>	DEFECT000656253		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	Medium
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Monitoring
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	Hardware Monitoring
<b>Symptom:</b>	In the output of RPC get-media-detail for breakout interface the value of rx-power field is wrongly displayed as 0.		
<b>Condition:</b>	Issue is seen on execution of get-media-detail RPC for breakout interface.		
<b>Workaround:</b>	Correct value of the field can be checked by using command "show media interface ethernet <interface-name>".		

<b>Defect ID:</b>	DEFECT000656319		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	LAG - Link Aggregation Group
<b>Symptom:</b>	Running configuration not cleaned properly once we switch the hardware profile.		
<b>Condition:</b>	Not impact for the issue, as the backend is cleaned properly and works as expected, only when HW profile change happens.		

<b>Defect ID:</b>	DEFECT000656360		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Security
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	ACLs - Access Control Lists
<b>Symptom:</b>	For "mac access-list" rules, providing 'count' option only works if provided before 'copy-sflow', 'mirror' and 'log' option.		
<b>Condition:</b>	Occurs when configuring rules under mac access list		
<b>Workaround:</b>	Workaround is to provide 'count' option before 'copy-sflow', 'mirror' and 'log' options.		

<b>Defect ID:</b>	DEFECT000656392		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Management
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	CLI - Command Line Interface
<b>Symptom:</b>	Netconf session gets closed when sending the request to get the chassis details.		
<b>Condition:</b>	Netconf command to get the chassis details is issued		
<b>Workaround:</b>	Avoid using the netconf command to get the chassis details.		

<b>Defect ID:</b>	DEFECT000656825		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 3 Routing/Network Layer
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	OSPF - IPv4 Open Shortest Path First
<b>Symptom:</b>	OSPF adjacency flaps after configuring OSPF area range & OSPF summary-address in 100k routes scale scenario		
<b>Condition:</b>	OSPF adjacency is FULL with 50k Intra Area routes and 50k external routes		

<b>Defect ID:</b>	DEFECT000656979		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Management
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	NTP - Network Time Protocol
<b>Symptom:</b>	In this release, 'ntp disable all' configuration command is not available. It will be added in a later release.		
<b>Condition:</b>	If NTP has to be configured, then it earlier disable command is not available.		

<b>Defect ID:</b>	DEFECT000656999		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Management
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	CLI - Command Line Interface
<b>Symptom:</b>	User may observe that IS-IS utilizes 2.5% of system memory		
<b>Condition:</b>	User may observe this when IS-IS process comes up		

<b>Defect ID:</b>	DEFECT000657033		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Management
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	Licensing
<b>Symptom:</b>	Memory leak observed while license is being added to the system.		

<b>Defect ID:</b>	DEFECT000657071		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	MPLS
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	MPLS VPLS - Virtual Private LAN Services
<b>Symptom:</b>	Ping was not functional between 2 loopback addresses after interface flap.		
<b>Condition:</b>	IP enabled interfaces on the router.		

<b>Defect ID:</b>	DEFECT000657101		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	IP Multicast
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	IGMP - Internet Group Management Protocol
<b>Symptom:</b>	Non existing logical interface if used in "ip igmp snooping mrouter" configuration, will be stored in the running-config but not activated in the backend. Cosmetic issue, with no impact to functionality.		
<b>Condition:</b>	This happens if mrouter is configured with a non existing logical interface.		

<b>Defect ID:</b>	DEFECT000657107		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	VXLAN - Virtual Extensible LAN
<b>Symptom:</b>	When BD to VNI mapping changed to different values for the same BD, tunnel is not discovered		
<b>Condition:</b>	When BD to VNI mapping changed to different values for the same BD, tunnel is not discovered		

<b>Defect ID:</b>	DEFECT000657152		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	VXLAN - Virtual Extensible LAN
<b>Symptom:</b>	MAC is not getting learned for host node connected to Vxlan L3 Gateway when one of the LC is powered off and powered on.		
<b>Condition:</b>	MAC is not getting learned host node connected to Vxlan L3 Gateway when one of the LC is powered off and powered on.		

<b>Defect ID:</b>	DEFECT000657223		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	VXLAN - Virtual Extensible LAN
<b>Symptom:</b>	The configuration will fail with an error message "%Error: LIF missing VLAN Classification"		
<b>Condition:</b>	If user tries to change the switch mode to trunk-no-default-native and vlan mode of logical interface from tagged to untagged without removing the tagged vlan configuration from logical interface and associate back to the same bridge-domain will fail.		
<b>Workaround:</b>	The user should delete the tagged vlan configuration under the logical interface and delete the logical interface before changing the switch mode and vlan mode.		
<b>Recovery:</b>	Delete the logical interface and bridge domain configuration and re-configure.		

<b>Defect ID:</b>	DEFECT000657261		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	IP Multicast
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	IGMP - Internet Group Management Protocol
<b>Symptom:</b>	In a high scale scenario of 4k LIFs configured on a Bridge Domain, and sending Multicast or unknown unicast traffic traffic will not be flooded to all the LIFs.		
<b>Condition:</b>	High scale of LIFs configured on a Bridge Domain		

<b>Defect ID:</b>	DEFECT000657299		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	MCT - Multi-Chassis Trunking
<b>Symptom:</b>	Traffic duplication for certain VLANs on LACP enabled MCT client ports after cluster deploy/'no deploy' or cluster re-configuration		
<b>Condition:</b>	Cluster re-configuration or 'no deploy and 'deploy' with active LACP clients		
<b>Workaround:</b>	Shutdown of client ports before cluster re-configuration		
<b>Recovery:</b>	Re-configuration of problematic VLANs i.e. no vlan <id> followed by 'vlan <id>'		

<b>Defect ID:</b>	DEFECT000657354		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 3 Routing/Network Layer
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	BGP4 - IPv4 Border Gateway Protocol
<b>Symptom:</b>	All evpn mac addresses will be displayed irrespective of filter option		
<b>Condition:</b>	When show mac-address command for evpn with tunnel id as filter option is executed.		

<b>Defect ID:</b>	DEFECT000657443		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Security
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	ACLs - Access Control Lists
<b>Symptom:</b>	no warning message generated for identical acl on physical and bd interface		
<b>Condition:</b>	no warning message generated for identical acl on physical and bd interface		

<b>Defect ID:</b>	DEFECT000657490		
<b>Technical Severity:</b>	High	<b>Probability:</b>	Medium
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 3 Routing/Network Layer
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	BGP4 - IPv4 Border Gateway Protocol
<b>Symptom:</b>	"show ip bgp summary vrf <user-vrf-name>" would timeout without any output		
<b>Condition:</b>	1199 IPv4 and 1199 IPv6 BGP sessions are UP in non-default vrf (user-vrf)		

<b>Defect ID:</b>	DEFECT000657538		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 3 Routing/Network Layer
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	OSPF - IPv4 Open Shortest Path First
<b>Symptom:</b>	Traffic loss is seen after HA failover, even when OSPF Graceful restart is enabled.		
<b>Condition:</b>	OSPF Graceful restart is enabled & Adjacency is FULL with the neighbor.		

<b>Defect ID:</b>	DEFECT000657569		
<b>Technical Severity:</b>	High	<b>Probability:</b>	Medium
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 3 Routing/Network Layer
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	BGP4 - IPv4 Border Gateway Protocol
<b>Symptom:</b>	Daemon - hslagtd would terminate.		
<b>Condition:</b>	With 2000 BGP sessions in non-default VRF (user-vrf) execute command : "no router bgp " and "reload system"		

<b>Defect ID:</b>	DEFECT000657672		
<b>Technical Severity:</b>	High	<b>Probability:</b>	Low
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 3 Routing/Network Layer
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	Multi-VRF
<b>Symptom:</b>	Multiple leaked routes are not present in routing table		
<b>Condition:</b>	When same route is leaked from multiple vrfs , route is updated with the last leaked route.		

<b>Defect ID:</b>	DEFECT000657687		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	VXLAN - Virtual Extensible LAN
<b>Symptom:</b>	Mac learning bridge domain interface from remote leaf node is delayed.		
<b>Condition:</b>	Timing condition that can be observed on mac's learned on a bridge domain in logical VTEP topology		
<b>Recovery:</b>	clear the mac in the node issue is seen and allow to relearn it again		

<b>Defect ID:</b>	DEFECT000657689		
<b>Technical Severity:</b>	High	<b>Probability:</b>	Medium
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 3 Routing/Network Layer
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	BGP4 - IPv4 Border Gateway Protocol
<b>Symptom:</b>	With 650K IPv4 Internet routes and 42K IPv6 Internet routes in BGP, the router would take more than 60 minutes to converge.		
<b>Condition:</b>	<p>BGP neighbors are configured with keep-alive timer: 30 seconds and hold-down timer: 90seconds</p> <p>There are 2 RIB-IN neighbors(1 IPv4 neighbor and 1 IPv6 neighbor) from which the internet routes(650K IPv4 routes from neighbor-1 and 42k IPv6 routes from neighbor 2) are learned.</p> <p>There are 1115 inactive peering sessions to which all the Internet routes are blocked through a deny route-map</p> <p>After the router converges for the first time, when "clear ip route all" is executed the symptom is observed</p>		
<b>Workaround:</b>	Issue is not observed when BGP neighbors are configured with keep-alive:60 seconds and hold-down timer:180 seconds		

<b>Defect ID:</b>	DEFECT000657748		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	xSTP - Spanning Tree Protocols
<b>Symptom:</b>	With RSTP configuration, the port state keeps alternating between Forwarding and Blocking on vSLXOS		
<b>Condition:</b>	STP feature is unsupported on vSLXOS currently and the problem might be seen on configuration		

<b>Defect ID:</b>	DEFECT000657752		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 3 Routing/Network Layer
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	IP Addressing
<b>Symptom:</b>	Traffic not routed after ICL is shut in the cluster		
<b>Condition:</b>	Traffic not routed after ICL is shut in the cluster		

<b>Defect ID:</b>	DEFECT000657753		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	MCT - Multi-Chassis Trunking
<b>Symptom:</b>	Traffic drop over the EVPN Pseudo wires.		
<b>Condition:</b>	Reloading the line card when MCT cluster is up		

<b>Defect ID:</b>	DEFECT000657819		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Monitoring
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	OAM - Operations, Admin & Maintenance
<b>Symptom:</b>	While using CFM with LAG with UP MEP, sometime Remote MEP flaps is observed when the member port is administratively shut down.		
<b>Condition:</b>	User will observe this behavior while using 8021ag with UP MEP over a LAG interface.		

<b>Defect ID:</b>	DEFECT000657856		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	LAG - Link Aggregation Group
<b>Symptom:</b>	Link aggregation group(LAG) comesup as Link UP with back to back connected links on the same switch.		
<b>Condition:</b>	LAG links are connected back to back to ports on the same switch.		
<b>Workaround:</b>	Keep individual links instead of configuring LAG.		



<b>Defect ID:</b>	DEFECT000657873		
<b>Technical Severity:</b>	High	<b>Probability:</b>	Low
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Monitoring
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	OAM - Operations, Admin & Maintenance
<b>Symptom:</b>	User will experience that with 8021ag configured over a LAG with UP MEP configuration, Remote MEP does not recover from failed state when LAG interface is brought up and down administratively..		
<b>Condition:</b>	User will observe this behavior with 8021ag UP MEP configured with LAG.		
<b>Workaround:</b>	Bring down port-channel and bring it back up administratively.		

<b>Defect ID:</b>	DEFECT000657884		
<b>Technical Severity:</b>	High	<b>Probability:</b>	Medium
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Monitoring
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	OAM - Operations, Admin & Maintenance
<b>Symptom:</b>	In a 8021ag UP MEP scaled setup, user might experience that Remote MEP Flaps.		
<b>Condition:</b>	When there are more than 4K MAs and 4K UP MEPs are configured, few MEPs flap.		

<b>Defect ID:</b>	DEFECT000658005		
<b>Technical Severity:</b>	High	<b>Probability:</b>	Medium
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	MPLS
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	BGP/MPLS VPN
<b>Symptom:</b>	VPNv4 routes after HA failover are missing if GR is enable		
<b>Condition:</b>	VPNv4 routes are not learnt after Switchover if GR is enable in Address family IPv4 unicast.		
<b>Workaround:</b>	Disable BGP GR in in Address family IPv4 unicast.		
<b>Recovery:</b>	clear bgp neighbor		

<b>Defect ID:</b>	DEFECT000658043		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	IP Multicast
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	IGMP - Internet Group Management Protocol
<b>Symptom:</b>	snooping switch does not remove the OIF under (S, G) which is inherited from (*, G) after this OIF left		
<b>Condition:</b>	OIF is not removed from (S, G) which is inherited from (*, G) after this OIF left. (*,g) removed the oif but not the (s,g)		

<b>Defect ID:</b>	DEFECT000658056		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Management
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	High Availability
<b>Symptom:</b>	Both MMs may be stuck in standby state.		
<b>Condition:</b>	This will happen if a daemon can't come up properly in the early device boot up phase.		
<b>Recovery:</b>	Reboot the device again.		

<b>Defect ID:</b>	DEFECT000658164		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	MCT - Multi-Chassis Trunking
<b>Symptom:</b>	MCT VPLS Traffic will dropped over MCT link		
<b>Condition:</b>	With High EVPN vlan range, Reloading of the MCT peer with EVPN configuration will rarely cause this issue		
<b>Recovery:</b>	clear ip bgp neighbors <peer-ip>		

<b>Defect ID:</b>	DEFECT000658229		
<b>Technical Severity:</b>	Low	<b>Probability:</b>	Medium
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Monitoring
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	Hardware Monitoring
<b>Symptom:</b>	?show media optical-monitoring interface <if-name>? don?t display values for admin shutdown port		
<b>Condition:</b>	Port is in admin down mode and pluggable media is present		

<b>Defect ID:</b>	DEFECT000658383		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Management
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	CLI - Command Line Interface
<b>Symptom:</b>	User may observe that IS-IS parameters under interface are not displayed completely in running configuration.		
<b>Condition:</b>	This issue may be observed when user configures default values for IS-IS parameters under interface.		

<b>Defect ID:</b>	DEFECT000658390		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Management
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	Software Installation & Upgrade
<b>Symptom:</b>	LC becomes faulty momentarily during firmware download		
<b>Condition:</b>	It is a rare case when the LC takes too long to boot up with the new firmware.		
<b>Workaround:</b>	None is needed. The blade will recover automatically		
<b>Recovery:</b>	It will recover automatically		

<b>Defect ID:</b>	DEFECT000658576		
<b>Technical Severity:</b>	High	<b>Probability:</b>	Medium
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 3 Routing/Network Layer
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	BGP4 - IPv4 Border Gateway Protocol
<b>Symptom:</b>	BGP process termination is observed upon adding a large prefix list to the running config and applying it to BGPv4 neighbors inbound , performing a soft clear to take effect		
<b>Condition:</b>	BGP process terminated after making filter changes and performing soft clear		
<b>Recovery:</b>	BGP daemon will restart		

<b>Defect ID:</b>	DEFECT000658622		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Monitoring
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	RAS - Reliability, Availability, and Serviceability
<b>Symptom:</b>	Switch reloads when the user is doing a REST query for MPLS operational state with resource-depth greater than 10 from multiple sessions.		
<b>Condition:</b>	LSPs/Cross-connects count exceeding 1024		
<b>Workaround:</b>	Execute REST query from one session only		

<b>Defect ID:</b>	DEFECT000658661		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	VXLAN - Virtual Extensible LAN
<b>Symptom:</b>	Some of the MAC routes missing when BGP neighborship is changed form V4 to V6.		
<b>Condition:</b>	BGP neighborship is changed from V4 to V6		
<b>Recovery:</b>	Clear bgp evpn neighbor all		

<b>Defect ID:</b>	DEFECT000658672		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	VLAN - Virtual LAN
<b>Symptom:</b>	L3 traffic drop on ARP suppression enabled VE's.		
<b>Condition:</b>	In L3VNI configured node, when ARP suppression is enabled on VE, sometime MACs are not synced from MAC manager to ARP.		
<b>Recovery:</b>	Executing "clear mac-address dynamic" will flush the MACs and resolve the ARP cache.		

<b>Defect ID:</b>	DEFECT000658790		
<b>Technical Severity:</b>	High	<b>Probability:</b>	Medium
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Security
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	ACLs - Access Control Lists
<b>Symptom:</b>	acl with logging enabled causes error message sometimes		
<b>Condition:</b>	acl with logging enabled causes error message sometimes		

<b>Defect ID:</b>	DEFECT000658794		
<b>Technical Severity:</b>	High	<b>Probability:</b>	Medium
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	VLAN - Virtual LAN
<b>Symptom:</b>	MAC learning will get effected.		
<b>Condition:</b>	HA failover performed more than once.		

<b>Defect ID:</b>	DEFECT000658862		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Management
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	CLI - Command Line Interface
<b>Symptom:</b>	?show media optical-monitoring? and ?show media optical-monitoring supported-interfaces? don?t display values for admin shutdown port		
<b>Condition:</b>	Port is in admin down mode and pluggable media is present		

<b>Defect ID:</b>	DEFECT000658871		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Management
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	CLI - Command Line Interface
<b>Symptom:</b>	Empty response will be seen for "show ntp" command via restconf		
<b>Condition:</b>	When show ntp status command executed in restconf query		
<b>Workaround:</b>	Use CLI command to get desired output.		

<b>Defect ID:</b>	DEFECT000659056		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Security
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	AAA - Authentication, Authorization, and Accounting
<b>Symptom:</b>	LDAP authentication is failing on default-vrf with the certificates.		
<b>Condition:</b>	LDAP authentication failure		
<b>Workaround:</b>	Do not use certificate		

<b>Defect ID:</b>	DEFECT000659128		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	MCT - Multi-Chassis Trunking
<b>Symptom:</b>	"show cluster x client y", displays bridge domain twice.		
<b>Condition:</b>	Addition of logical interfaces of same underlying main interface under Bridge-Domain.		

<b>Defect ID:</b>	DEFECT000659129		
<b>Technical Severity:</b>	High	<b>Probability:</b>	Medium
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Management
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	Configuration Fundamentals
<b>Symptom:</b>	Cluster client status will be down when a vlan is extended as both Manual and Auto. .		
<b>Condition:</b>	When vlan is extended as both Manual and Auto.		
<b>Workaround:</b>	This is unsupported configuration.		
<b>Recovery:</b>	Convert vlan into either Manual or Auto, based based on the other node configuration.		

<b>Defect ID:</b>	DEFECT000659344		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	MCT - Multi-Chassis Trunking
<b>Symptom:</b>	Access endpoint traffic is flooded to other access endpoints and VPLS peers in the bridge-domain.		
<b>Condition:</b>	When message processing channel utilization is high within MAC manager, the MCT client interface status is not synced and affects the MAC learning. In this case MAC programming is not performed in the hardware and traffic is flooded on ports in the bridge-domain.		
<b>Recovery:</b>	Performing shutdown and no shutdown on the physical interface of MCT client interface resolves the status and update MAC programming.		

<b>Defect ID:</b>	DEFECT000659358		
<b>Technical Severity:</b>	High	<b>Probability:</b>	Medium
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Monitoring
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	OAM - Operations, Admin & Maintenance
<b>Symptom:</b>	CFM Connectivity fails, when Pseudo-wire is configured as LAG interface and LAG is part of VE interface and MEP is configured for this Pseudo-wire. In nutshell AC LIF and LAG are part of same VLAN, user might see issues with CFM connectivity.		
<b>Condition:</b>	User will see this issue while deploying CFM with VPLS with Pseudo-wire interface on Lag		

<b>Defect ID:</b>	DEFECT000659400		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	MPLS
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	IP over MPLS
<b>Symptom:</b>	Traffic drop and user may experience LSP down in hardware.		
<b>Condition:</b>	In case of very huge scale of LSP and a bypass LSP tunnel is used by multiple LSPs as secondary path. User does "clear lsp all" multiple times.		

<b>Defect ID:</b>	DEFECT000659427		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 3 Routing/Network Layer
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	BGP4 - IPv4 Border Gateway Protocol
<b>Symptom:</b>	Sometimes fib compression is not enabled on loading config from flash		
<b>Condition:</b>	Running fib compression		

<b>Defect ID:</b>	DEFECT000659439		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	VXLAN - Virtual Extensible LAN
<b>Symptom:</b>	MAC learned with VLAN 1 when the MCT ICL interface is flapped and traffic is running on BD ( Logical interface with one vlan configured). The workaround for the issue is to configure the ICL VE interface without default-vlan		
<b>Condition:</b>	MAC learned with VLAN 1 when the MCT ICL interface is flapped and traffic is running on BD ( Logical interface with one vlan configured). The workaround for the issue is to configure the ICL VE interface without default-vlan		

<b>Defect ID:</b>	DEFECT000659492		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	VXLAN - Virtual Extensible LAN
<b>Symptom:</b>	When routing is enabled over a Bridge Domain, for VEOVPLS, and if the PW profile on that Bridge Domain is in Raw mode then forwarding may not work as intended.		
<b>Condition:</b>	User has enabled routing over a Bridge Domain in earlier release, and upgraded the setup to SLXOS17r.2.01.		
<b>Recovery:</b>	Disable routing on the Bridge Domain.		

<b>Defect ID:</b>	DEFECT000659567		
<b>Technical Severity:</b>	High	<b>Probability:</b>	Medium
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	QinQ - IEEE 802.1Q
<b>Symptom:</b>	'fwd' process unintended termination may be seen during port initialization phase while booting up SLX9850 with startup-configuration.		
<b>Condition:</b>	When tag-type configuration is present in the startup-configuration and user tries to boot up SLX9850 with this startup-configuration. Example:- interface ethernet 2/42 tag-type 0x9200 switchport switchport mode trunk switchport trunk allowed vlan add 4060,4070,4080 no switchport trunk tag native-vlan switchport trunk native-vlan 4080 no shutdown !		
<b>Workaround:</b>	Since this issue is not consistent, reloading the device may resolve the issue.		

<b>Defect ID:</b>	DEFECT000659662		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	MCT - Multi-Chassis Trunking
<b>Symptom:</b>	Client Pseudo wire stays down once router comes back up after reload		
<b>Condition:</b>	Router reload		
<b>Workaround:</b>	Undeploy and deploy the MCT. -> "no deploy" followed by "deploy" under client-pw		

<b>Defect ID:</b>	DEFECT000659761		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	MCT - Multi-Chassis Trunking
<b>Symptom:</b>	Traffic drop and user may see a LSP down.		
<b>Condition:</b>	High availability failover followed by MCT cluster configuration of removal and re-add.		



<b>Defect ID:</b>	DEFECT000659766		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	IP Multicast
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	IGMP - Internet Group Management Protocol
<b>Symptom:</b>	When systems learn more than 16384 IGMP snooping multicast entries, "Memory Alloc Error: SNP Group Create" error messages will be displayed on console.		
<b>Condition:</b>	When IGMP join messages are sent for more than 16384 IGMP groups, "Memory Alloc Error: SNP Group Create" error messages will be seen on console.		
<b>Workaround:</b>	Do not learn more than 16384 IGMP snooping multicast entries.		
<b>Recovery:</b>	Stop sending IGMP join messages for the IGMP groups that exceeds 16384 multicast entries.		

<b>Defect ID:</b>	DEFECT000659798		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 3 Routing/Network Layer
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	Multi-VRF
<b>Symptom:</b>	OSPF adjacency would stuck in LOADING state for around 30 minutes before becoming FULL.		
<b>Condition:</b>	Modifying OSPF area configuration multiple times in OSPF topology with an ASBR could trigger this issue.		

<b>Defect ID:</b>	DEFECT000659832		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	MCT - Multi-Chassis Trunking
<b>Symptom:</b>	Flooding of packets is being observed for traffic targeted to the client in MCT node		
<b>Condition:</b>	Removal and addition of MCT - cluster configuration.		
<b>Workaround:</b>	Clear the macs on other node in MCT set-up, so that macs are learnt freshly.		

<b>Defect ID:</b>	DEFECT000659847		
<b>Technical Severity:</b>	High	<b>Probability:</b>	Medium
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 3 Routing/Network Layer
<b>Reported In Release:</b>	SLXOS 17r.2.00	<b>Technology:</b>	BGP4 - IPv4 Border Gateway Protocol
<b>Symptom:</b>	Adding BGP peers manually (pasting cli config on telnet/ssh sessions) taking a couple of minutes, same applies to making filter changes to many peers at once. In our testing it took more than 2 to 3 minutes to add 250 peers		
<b>Condition:</b>	Router configured with peer which learns full internet RIB IN (both IPv4 and IPv6)		

<b>Defect ID:</b>	DEFECT000659852		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Management
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	SNMP - Simple Network Management Protocol
<b>Symptom:</b>	The single instance trap of bfdSessDown has same instance identifier (as expected) but different values (not correct).		
<b>Condition:</b>	When bfdSessDown trap is received on a trap receiver.		

<b>Defect ID:</b>	DEFECT000659856		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Management
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	High Availability
<b>Symptom:</b>	Loss of traffic for 275 seconds between MCT peers, when ve is disabled.		
<b>Condition:</b>	In some topologies, when the outgoing ve link for an LSP is disabled at ingress, the LSP is not able to route around the failure until the RSVP state downstream times out.		

<b>Defect ID:</b>	DEFECT000659857		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Management
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	Configuration Fundamentals
<b>Symptom:</b>	"system is about to reload" message is not sent to syslog server consistently.		
<b>Condition:</b>	On reload "system is about to reload" message may not be sent to syslog server.		
<b>Workaround:</b>	This message will show up inconsistently in syslog depending on how soon the system is rebooted. The user can monitor other messages to determine whether the system has rebooted.		

<b>Defect ID:</b>	DEFECT000659924		
<b>Technical Severity:</b>	High	<b>Probability:</b>	Medium
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Monitoring
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	OAM - Operations, Admin & Maintenance
<b>Symptom:</b>	Timing issue which leads to unexpected reload. .		
<b>Condition:</b>	CFM enabled bridge domain configuration is removed.		
<b>Workaround:</b>	Remove the MEP configuration before removing the bridge-domain configuration.		

<b>Defect ID:</b>	DEFECT000659931		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	MCT - Multi-Chassis Trunking
<b>Symptom:</b>	Evpn-static mac is not removed from mac table after the client port is shut.		
<b>Condition:</b>	MCT Client is down on both the peers,Evpn static mac in the vlan is still seen in mac table of both the peers. This issue is seen when the interior gateway protocol was ISIS, The behaviour is not seen when the interior gateway protocol is OSPF.		
<b>Workaround:</b>	.		
<b>Recovery:</b>	.		

<b>Defect ID:</b>	DEFECT000659942		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	MCT - Multi-Chassis Trunking
<b>Symptom:</b>	MCT related debug data is not available in SS. No customer impact.		
<b>Condition:</b>	MCT functionality debug information in support save to help debug.		

<b>Defect ID:</b>	DEFECT000659952		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 3 Routing/Network Layer
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	ARP - Address Resolution Protocol
<b>Symptom:</b>	Running failover tests may cause MAC tables to go out of synchronization		
<b>Condition:</b>	Running failover tests		

<b>Defect ID:</b>	DEFECT000659954		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Monitoring
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	OAM - Operations, Admin & Maintenance
<b>Symptom:</b>	Higher average and max frame delay in scheduled DMM tests.		
<b>Condition:</b>	When system exchanges high number of control frames.		

<b>Defect ID:</b>	DEFECT000660012		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Management
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	Configuration Fundamentals
<b>Symptom:</b>	VPLS data traffic loss seen for an average of 230 seconds after MM failover.		
<b>Condition:</b>	MCT doesn't support hitless failover and hence it will tear down and recreate all the BGP. MPLS RSVP sessions which the time taken for programming is proportional to the total scale number. This is expected as per current design.		

<b>Defect ID:</b>	DEFECT000660020		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Management
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	Configuration Fundamentals
<b>Symptom:</b>	User may observe traffic drop in a flooding domain for very short time, approx 200 pkt.		
<b>Condition:</b>	When bridge domain is part of MCT and a peer is removed and added to a bridge domain.		

<b>Defect ID:</b>	DEFECT000660062		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 3 Routing/Network Layer
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	BGP4+ - IPv6 Border Gateway Protocol
<b>Symptom:</b>	A core file is observed. The setup recovers afterwards and it works fine. This is as-design.		
<b>Condition:</b>	No condition.		

<b>Defect ID:</b>	DEFECT000660082		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	MCT - Multi-Chassis Trunking
<b>Symptom:</b>	During Multiple HA failover operation, sometimes some LSP might get stuck in the DOWN state. This problem is not easily reproducible.		
<b>Condition:</b>	This condition might happen after multiple HA switchover.		

<b>Defect ID:</b>	DEFECT000660084		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	VXLAN - Virtual Extensible LAN
<b>Symptom:</b>	MGID membership goes wrong sometime cause the BUM is flooded by non-DF nodes when tunnel is flapped.		
<b>Condition:</b>	MGID membership goes wrong sometime cause the BUM is flooded by non-DF nodes when tunnel is flapped.		

<b>Defect ID:</b>	DEFECT000660103		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	MPLS
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	MPLS VPLS - Virtual Private LAN Services
<b>Symptom:</b>	For a non-MCT node, the remote PW preferential status may have a different value than the actual remote node status.		
<b>Condition:</b>	For a non-MCT VPLS peer, irrespective of the remote role, the PW will get programmed in the hardware. From forwarding perspective, it will not have any impact on the traffic forwarding.		
<b>Workaround:</b>	Ignore the remote PW preferential status if the local node is non-mct.		

<b>Defect ID:</b>	DEFECT000660104		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 3 Routing/Network Layer
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	BGP4 - IPv4 Border Gateway Protocol
<b>Symptom:</b>	BGP sessions configured under BGP user-vrf stuck at OPENS state.		
<b>Condition:</b>	BGP peers are configured under BGP user-vrf and HA failover is triggered manually using CLI command		

<b>Defect ID:</b>	DEFECT000660168		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	IP Multicast
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	IGMP - Internet Group Management Protocol
<b>Symptom:</b>	Traffic loss for IGMP group member port over CCEP client in MCT cluster. Issue is only seen when CCEP client is configured as ETH port and not the Port-channel.		
<b>Condition:</b>	Issue is only seen when cluster is up for the first time. Any state change on CCEP client later should resolve the issue.		
<b>Workaround:</b>	Workaround is the enable disable CCEP client after the MCT cluster is up		
<b>Recovery:</b>	Clearing the IGMP group entries for the affected traffic, should recover the switch from the problem state.		

<b>Defect ID:</b>	DEFECT000660188		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	VXLAN - Virtual Extensible LAN
<b>Symptom:</b>	Some of the VXLAN MACs are not installed in the hardware when EVPN configuration is removed and re-added		
<b>Condition:</b>	Some of the VXLAN MACs are not installed in the hardware when EVPN configuration is removed and re-added		
<b>Workaround:</b>	clear all the bgp evpn sessions		

<b>Defect ID:</b>	DEFECT000660265		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	VXLAN - Virtual Extensible LAN
<b>Symptom:</b>	BGP terminates while getting EVPN operaton status using REST API.		
<b>Condition:</b>	EVPN REST API are not tested completely, Limited EVPN REST API support for EVPN.		

<b>Defect ID:</b>	DEFECT000660301		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Management
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	Software Installation & Upgrade
<b>Symptom:</b>	Sometimes after firmware upgrade 72x10G linecard stays in LOADING state for 25-30 mins and then eventually faults. The software auto-recovery logic power cycles the line card to recover it.		
<b>Condition:</b>	Firmware upgrade on 72x10G linecard.		
<b>Recovery:</b>	The software auto-recovery logic automatically power cycles the line card to recover it.		

<b>Defect ID:</b>	DEFECT000660326		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	MCT - Multi-Chassis Trunking
<b>Symptom:</b>	Layer 3 traffic drops over MCT link		
<b>Condition:</b>	After HA failover, remove and add EVPN configuration will intermittently cause Layer 3 traffic to drop over MCT		
<b>Recovery:</b>	Clear mpls lsp will resolve the issue. Clear mpls lsp all		

<b>Defect ID:</b>	DEFECT000660343		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	MPLS
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	MPLS VPLS - Virtual Private LAN Services
<b>Symptom:</b>	VPLS PW will be down		
<b>Condition:</b>	After HA failover, VPLS PW status will be down		
<b>Recovery:</b>	"clear mpls lsp" will recover from the issue. clear mpls lsp all		

<b>Defect ID:</b>	DEFECT000660402		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	IP Multicast
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	PIM - Protocol-Independent Multicast
<b>Symptom:</b>	The display output for the command 'show ip pim settings' shows the extra characters in the IP prefix range, for SSM groups.		
<b>Condition:</b>	This cosmetic display issue is observed when PIM SSM group range is configured and the switch is reloaded. The Display output shows extra '/' in the IP prefix.		

<b>Defect ID:</b>	DEFECT000660424		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	MCT - Multi-Chassis Trunking
<b>Symptom:</b>	Cluster client Remote status may be down when configuration with manual RD and RT is downloaded from server.		
<b>Condition:</b>	Vlan or BD when converted from Manual to Auto or vice versa, BGP sends a refresh request, some reason refresh request is not sent.		
<b>Workaround:</b>	clear bgp evpn neighbor <MCT-PEER> soft in		
<b>Recovery:</b>	To recover please issue the following command: clear bgp evpn neighbor <MCT-PEER> soft in		

<b>Defect ID:</b>	DEFECT000660428		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	IP Multicast
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	IGMP - Internet Group Management Protocol
<b>Symptom:</b>	Hslagtd terminates on FHR after reloading LHR		
<b>Condition:</b>	This happens only in rare scenario. not likely to happen. Hslagtd terminates on FHR after reloading LHR		



<b>Defect ID:</b>	DEFECT000660446		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	IP Multicast
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	IPv4 Multicast Routing
<b>Symptom:</b>	The symptoms involve reboot of the switch due to Layer 2 Multicast process termination.		
<b>Condition:</b>	The issue is observed when the PIM SSM group range is configured with the same IP Prefix as of the IGMP SSM map group prefix.		

<b>Defect ID:</b>	DEFECT000660511		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	MCT - Multi-Chassis Trunking
<b>Symptom:</b>	Traffic is flooded on the VLAN mapped to MCT cluster		
<b>Condition:</b>	In scaled MCT setup when line card is reloaded the database sync-up between MAC manager component is incomplete and affects MAC learning.		
<b>Recovery:</b>	Reload the line card once again to allow database sync to complete.		

<b>Defect ID:</b>	DEFECT000660525		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Security
<b>Reported In Release:</b>	SLXOS 17r.1.01	<b>Technology:</b>	RADIUS
<b>Symptom:</b>	When the REST query is executed using Radius/Tacacs users, with authentication-token in query, REST query fails as Unauthorized.		
<b>Condition:</b>	With authentication-Token in the REST request.		

<b>Defect ID:</b>	DEFECT000660551		
<b>Technical Severity:</b>	Medium	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	VXLAN - Virtual Extensible LAN
<b>Symptom:</b>	Display issue for default command.		
<b>Condition:</b>	"Show running config all" doesn't display qos default mode for VxLAN.		

<b>Defect ID:</b>	DEFECT000660578		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Security
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	ACLs - Access Control Lists
<b>Symptom:</b>	In rare cases, ssagtd at line card reloaded unexpectedly with removal of mac acl based policing		
<b>Condition:</b>	It was found when cam profile "openflow-optimised-2" and counter profile "counter-profile-2" were used.		

<b>Defect ID:</b>	DEFECT000660584		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	MCT - Multi-Chassis Trunking
<b>Symptom:</b>	Unexpected reload of the system.		
<b>Condition:</b>	High availability fail-over of MM.		

<b>Defect ID:</b>	DEFECT000660593		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	MCT - Multi-Chassis Trunking
<b>Symptom:</b>	L2/L3/VPLS traffic loss		
<b>Condition:</b>	client-interface-shutdown followed by no deploy on MCT node		

<b>Defect ID:</b>	DEFECT000660609		
<b>Technical Severity:</b>	High	<b>Probability:</b>	Medium
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	MPLS
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	MPLS VLL - Virtual Leased Line
<b>Symptom:</b>	MPLS daemon restarted due to software fault.		
<b>Condition:</b>	The TPID of the port-channel interface where 4000 VE interfaces was configured.		

<b>Defect ID:</b>	DEFECT000660612		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Monitoring
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	OAM - Operations, Admin & Maintenance
<b>Symptom:</b>	While deploying CFM, user might occasionally observed that MEPs configured on port channel move to failed state, when member-ports are added or removed		
<b>Condition:</b>	CFM deployment with port-channel and then Addition or deletion of member interfaces to port-channel		
<b>Recovery:</b>	Port channel shutdown and 'no shutdown' should help recover from the situation		

<b>Defect ID:</b>	DEFECT000660617		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	MCT - Multi-Chassis Trunking
<b>Symptom:</b>	Cluster client status may not be UP, when evpn instance is removed and re-added after the HA. There will be traffic loss due to cluster status.		
<b>Condition:</b>	When EVPN instance is removed and re-added after HA.		
<b>Recovery:</b>	Clear bgp evpn neighbor <mct-peer> should resolve this condition.		

<b>Defect ID:</b>	DEFECT000660823		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	MPLS
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	MPLS VLL - Virtual Leased Line
<b>Symptom:</b>	User may observe "hslagt_lif_brcm_delete_lag_lif: unable to find xconnect partner LIF" on LC console.		
<b>Condition:</b>	Bridge domain is removed from EVPN MCT.		

<b>Defect ID:</b>	DEFECT000660831		
<b>Technical Severity:</b>	High	<b>Probability:</b>	Low
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 3 Routing/Network Layer
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	BGP4 - IPv4 Border Gateway Protocol
<b>Symptom:</b>	Linecard (36x100) goes out of Memory and reboots		
<b>Condition:</b>	Continuos BGP session flaps for a long time using a script on a system with Scaled routes(1 M)		

<b>Defect ID:</b>	DEFECT000660878		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	MCT - Multi-Chassis Trunking
<b>Symptom:</b>	After rapid cluster 'no deploy' & 'deploy' on a cluster peer, BUM traffic to certain clients connected via LACP port-channel may not reach the client for half the VLANs or bridge domains.		
<b>Condition:</b>	Configuring 'no deploy' followed by 'deploy' rapidly without sufficient time gap and clients connected through active LACP port-channel during cluster 'no deploy'/'deploy'.		
<b>Workaround:</b>	Workaround to avoid running into this issue 1. Provide sufficient gap between 'no deploy' and 'deploy'. 2. If there are multiple clients using LACP port-channel, perform client-interface-shutdown before 'no deploy' & 'deploy'. Remove 'client-interface-shutdown' after the cluster is deployed		
<b>Recovery:</b>	client interface shutdown followed by 'no shutdown' for the client where the issue is seen		

<b>Defect ID:</b>	DEFECT000660921		
<b>Technical Severity:</b>	High	<b>Probability:</b>	Low
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	IP Multicast
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	PIM - Protocol-Independent Multicast
<b>Symptom:</b>	After line card reload, the out going interface will be deleted from the entry and it shows as number of OIFs as ZERO.		
<b>Condition:</b>	1. This issue can be seen when a port-channel has member ports from multiple line cards and 2. This port channel should be bound to a VE interface which is out going interface of PIM entry and 3. One of the mentioned line card is reloaded.		
<b>Recovery:</b>	Clear the affected PIM entry using "clear ip pim mcache"		

<b>Defect ID:</b>	DEFECT000661051		
<b>Technical Severity:</b>	High	<b>Probability:</b>	Low
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	MPLS
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	MPLS VPLS - Virtual Private LAN Services
<b>Symptom:</b>	During High availability Management Module fail-over, Layer 2 MAC addresses from a remote VPLS peer are learnt on a different Bridge Domain.		
<b>Condition:</b>	The user has issued High availability MM failover command so that the standby MM becomes an active MM		
<b>Workaround:</b>	MAC learned unexpectedly will be aged out after MAC age timer expires. Also, Configuring MAC age timer to a smaller value will help to age out the unexpected MAC faster.		

<b>Defect ID:</b>	DEFECT000661059		
<b>Technical Severity:</b>	High	<b>Probability:</b>	High
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Layer 2 Switching
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	MCT - Multi-Chassis Trunking
<b>Symptom:</b>	In some rare case, EVPN routes might not be ex-changed between peers.		
<b>Condition:</b>	After deactivating and activating the l2vpn EVPN address family		
<b>Recovery:</b>	Use clear bgp evpn neighbor soft in command		

<b>Defect ID:</b>	DEFECT000661097		
<b>Technical Severity:</b>	High	<b>Probability:</b>	Medium
<b>Product:</b>	SLX-OS	<b>Technology Group:</b>	Management
<b>Reported In Release:</b>	SLXOS 17r.2.01	<b>Technology:</b>	Configuration Fundamentals
<b>Symptom:</b>	VXLAN stripping may not work as expected in some cases		
<b>Condition:</b>	VXLAN stripping may not work as expected in some cases when "strip-vlan" is configured		