

18 December 2018



SLX-OS 18r.2.00 for SLX 9850, SLX 9640, and SLX 9540

Release Notes v2.0

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Document history

Version	Summary of changes	Publication date
1.0	Initial Release	December 18, 2018

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.
- Email: 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. Product documentation for all supported releases is available to registered users at 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 <http://www.extremenetworks.com/documentation-feedback-pdf/>
- Email us at internalinfodev@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

The focus of SLX-OS 18r.2.00 release is enhancing the Border Routing solution for SLX 9850, SLX 9540 as well as support for a new platform, the fixed form factor SLX 9640, for customers requiring larger route scale for border routing with Internet peering.

The following key software capabilities are added in this release:

- High IPv4, IPv6 route scale support on SLX 9640 to enable multiple full Internet peering tables on the same box using multiple VRFs
- Fast convergence at internet peering scale on bootup and peer, nexthop failures with BGP Prefix Independent Convergence(PIC).
- BGP Flowspec support for DDOS protection. This feature as described in RFC 5575 enables dissemination of filtering rules with standard BGP protocol to the border router (or from border router) so specific ACL filters can be applied to take various possible actions on DDOS attack traffic flows.
- BGP large community support per RFC 8092 to support 4-byte ASN in BGP communities attribute for policy handling.
- vSLX support for ESXi Hypervisor with vSLX install software 2.1.0

New SKUs

EN-SLX-9640-24S	Extreme SLX 9640-24S Router. Supports 24x10GE/1GE + 4x100GE/40GE. (24S+4C sku no Power supplies or Fans)
EN-SLX-9640-24S-12C	Extreme SLX 9640-24S Router. Supports 24x10GE/1GE + 12x100GE/40GE. (All ports 24S+12C sku with no Power supplies or Fans)
EN-SLX-9640-24S-12C-AC-F	Extreme SLX 9640-24S Router AC with Front to Back airflow. Supports 24x10GE/1GE + 12x100GE/40GE.(1 Power supply, 6 Fans)
EN-SLX-9640-24S-AC-F	Extreme SLX 9640-24S Router AC with Front to Back airflow. Supports 24x10GE/1GE + 4x100GE/40GE.(1 Power supply, 6 Fans)
XEN-SLX9640-FAN-F	SLX 9640 FAN Front to Back airflow
XEN-SLX9640-FAN-R	SLX 9640 FAN Back to Front airflow
EN-SLX-9640-4C-POD-P	Extreme SLX 9640 Ports on Demand License for 4 ports of 100GE/40GE Uplinks
EN-SLX-9640-ADV-LIC-P	Extreme SLX 9640 Advanced Feature License

Behavior changes

Behavior changes in release 18r.2.00

The following system behaviors have changed in this release:

- Multi-VRF support added for firmware download, copy support and copy configuration commands. User can specify the default-vrf and user-defined vrf using the use-vrf option in these commands.
- Multi-VRF support for NTP client and server: In the prior release (18r.1.x), NTP client tried to reach the external server via mgmt-vrf only. Support for default-vrf and user defined vrf is added in this release. In addition, NTP server (“serve” mode) support for mgmt-vrf and default-vrf is added in this release.
- The third party VM software is decoupled from the SLXOS package.
- DNS improvement: It is no longer required to mandatorily configure a domain name for FQDN DNS resolution. In the prior releases, we had to configure domain name using the command “ip dns domain-name ...”, along with “ip dns name-server <ip>” command for DNS resolution to happen even for FQDNs. Note that, for non FQDNs, we still need to configure the domain-name for DNS resolution to happen.

Support for default-vrf and user defined vrf is added in “ip dns name-server <ip> use-vrf<vrf>” command. Previously, this command always used the vrf of the application (ex: ping, traceroute) for which DNS resolution was required. Now, the DNS vrf is decoupled from the application context vrf.

- Added option to clear SNMP statistics (via “snmp-server preserve-statistics disable”) when the CLI “clear counters” command is issued. Note that, when preserve SNMP stats is enabled (default configuration), SNMP statistics are preserved on HA failovers but not on system reloads.
- 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 18r.1.00 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.
- ‘ip mtu’ now configures Layer3 MTU for both IPv4 and IPv6 MTU.
- Unknown-unicast Storm-control will not rate limit the VLL/P2P traffic in TCAM profile layer2-optimized-1.

Software Features

New software features in 18r.2.00

The following software features are new in this release:

System/HW/OS

- SLX9640 System supporting 24x10G ports and up to 12x100G ports
- SLX9640 Licensing
- 25G breakout support for SLX9640
- 25G breakout support for SLX9850

Software Features

- Ipv4 route scale increase to 4M
- IPv6 route scale to 1M
- BGP PIC (Prefix Independent Convergence)
- BGP Flowspec
- BGP Large Community
- IP Prefix list scale increase to 12K
- Opti-scale routing support for SLX9850
- IP Broadcast ACL
- Receive ACL Multiple rules
- Receive ACL Rate Limiting
- sFlow BGP AS-Path support
- Flexible PBR
- Transparent Loopback support
- Logical Interface Descriptions for VE/Loopback interfaces
- Option to Preserve/Clear SNMP Statistics
- Microsoft Network Load Balancing Multicast ARP changes
- Restrict Unknown Multicast Flooding
- Third party VM package separation
- vSLXOS support for ESXi Hypervisor with vSLX install software 2.1.0

CLI commands

CLI commands

New commands

Note: For new feature additions, the configuration guide will have the full set of new CLI. The below gives the CLI changes in small feature changes and few other areas.

The following commands are new in this release:

Configuration:

- snmp-server preserve-statistics disable
- profile route route-enhance multi_vrf <off | on>
- ip global-subnet-broadcast-acl <name> (IP broadcast ACL global level)
- ip subnet-broadcast-acl <name> (IP broadcast ACL Interface level)
- ip igmp snooping restrict-unknown-multicast(VLAN level configuration)
- prefix-independent-convergence (Global configuration level)
- telemetry collector <name>
 use-vrf default-vrf (New VRF option added)
- hardware Connector 0/x
 breakout mode 4x25g (4x25G breakout mode)

SLX9640 Only:

- profile etcam <default | ipv6-route | ipv4-v6-route>
- reload diag-mode
- reload system diag-mode
- show hardware profile etcam <default | ipv6-route | ipv4-v6-route>

Display:

- show hw route-info linecard 0
- show running-config prefix-independent-convergence

Modified commands

The following commands have been modified for this release:

Configuration:

- mac-address-table static <mac address> (This CLI can take multicast MAC as argument)
- arp 10.0.0.1 <mac address> (This CLI can take multicast MAC as argument)
- ip mtu (Configures MTU for both IP and IPv6 MTU)
- telemetry server **use-vrf** <vrf> (Enhanced to support default-vrf or user VRF)
- ip dns name-server <ip> use-vrf <vrf> (Enhanced to support default-vrf or user VRF)

Display/Clear:

- show hardware profile (Displays multi-vrf configuration)
- show policy-map control-plane [map-name <policy-map-name>]
- show policy-map [detail <policy-map-name>]
- Show route-map <route-map-name>
- show access-list {subnet-broadcast|global-subnet-broadcast} {ip | ipv6}
- show access-list {subnet-broadcast|global-subnet-broadcast} {ip | ipv6}<acl_name>
- show statistics access-list {subnet-broadcast|global-subnet-broadcast} {ip | ipv6} <acl_name>
- show statistics access-list {subnet-broadcast} {ip | ipv6}<acl_name> interface {eth|ve} <name>
- show ip igmp snooping vlan <vlan-id>
- clear policy-map-counters control-plane [<policy-map-name>]
- clear counters access-list {subnet-broadcast|global-subnet-broadcast} {ip|ipv6} <name>
- clear counters access-list {subnet-broadcast|global-subnet-broadcast} {ip|ipv6} <name> interface {eth|ve} <name>

SLX9640 Only:

- show hw route-info <interface | linecard> <intf number | linecard number>
- show hardware profile

Deprecated commands

- ipv6 mtu This is deprecated and replaced by “ip mtu”

- http server shutdown Replaced by “http server use-vrf <vrf> shutdown”
- telnet server shutdown Replaced by “telnet server use-vrf <vrf> shutdown”
- profile route route-enhance “hw_opt” option in the end deprecated for SLX9640

RFCs, Standards, and Scalability

For RFCs, standards, and scale numbers supported in this release, refer to the [Extreme SLX-OS Scale and Standards Matrix for SLX 9850 and SLX 9540](#).

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
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

Supported Hardware	Description
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)
EN-SLX-9640-24S	Extreme SLX 9640-24S Router. Supports 24x10GE/1GE + 4x100GE/40GE. (24S+4C sku no Power supplies or Fans)
EN-SLX-9640-24S-12C	Extreme SLX 9640-24S Router. Supports 24x10GE/1GE + 12x100GE/40GE. (All ports 24S+12C sku with no Power supplies or Fans)
EN-SLX-9640-24S-12C-AC-F	Extreme SLX 9640-24S Router AC with Front to Back airflow. Supports 24x10GE/1GE + 12x100GE/40GE.(1 Power supply 6 Fans)
EN-SLX-9640-24S-AC-F	Extreme SLX 9640-24S Router AC with Front to Back airflow. Supports 24x10GE/1GE + 4x100GE/40GE.(1 Power supply 6 Fans)
XEN-SLX9640-FAN-R	SLX 9640 FAN Back to Front airflow
XEN-SLX9640-FAN-R	SLX 9640 FAN Back to Front airflow
EN-SLX-9640-4C-POD-P	Extreme SLX 9640 Ports on Demand License for 4 ports of 100GE/40GE Uplinks
EN-SLX-9640-ADV-LIC-P	Extreme SLX 9640 Advanced Feature License

Supported power supplies

- 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
- SLX 9540 and SLX 9640 power supplies

XBR-ACPWR-650-F	SLX Fixed AC 650W Power Supply Front to Back airflow. Power cords not included.
XBR-ACPWR-650-R	SLX Fixed AC 650W Power Supply Back to Front airflow. Power cords not included.
XBR-DCPWR-650-F	SLX Fixed DC 650W Power Supply Front to BDCK airflow. Power cords not included.
XBR-DCPWR-650-R	SLX Fixed DC 650W Power Supply BDCK to Front airflow. Power cords not included.

Supported optics

Unique Identifier	Category	Official SKU	Official Description
1	Copper	1G-SFP-TX	MODULE, MINI-GBIC, TX, 1000BASE, RJ45
2	Optics	1G-SFP-SX-OM	1000BASE-SX SFP OPTIC, MMF LC
3		1G-SFP-SX-OM-8	1000BASE-SX SFP OPTIC, MMF LC 8
4	Optics	1G-SFP-LX-OM	1000BASE-LX SFP OPTIC, SMF LC
5		1G-SFP-LX-OM-8	1000BASE-LX SFP OPTIC, SMF LC 8
6	Optics	1G-SFP-BXU	1000BASE-BXU SFP OPTIC SMF
7	Optics	1G-SFP-BXD	1000BASE-BXD SFP OPTIC SMF
8	Optics	1G-SFP-LHA-OM	1000BASE-LHA SFP OPTIC, SMF, LC CONN
9	Optics	1G-SFP-CWDM80-1470	CWDM MGBIC OPTIC, 80KM, 1470nm, LC Connector
10		1G-SFP-CWDM80-1490	CWDM MGBIC OPTIC, 80KM, 1490nm, LC Connector
11		1G-SFP-CWDM80-1510	CWDM MGBIC OPTIC, 80KM, 1510nm, LC Connector
12		1G-SFP-CWDM80-1530	CWDM MGBIC OPTIC, 80KM, 1530nm, LC Connector
13		1G-SFP-CWDM80-1550	CWDM MGBIC OPTIC, 80KM, 1550nm, LC Connector
14		1G-SFP-CWDM80-1570	CWDM MGBIC OPTIC, 80KM, 1570nm, LC Connector
15		1G-SFP-CWDM80-1590	CWDM MGBIC OPTIC, 80KM, 1590nm, LC Connector
16		1G-SFP-CWDM80-1610	CWDM MGBIC OPTIC, 80KM, 1610nm, LC Connector
17	Optics	10G-SFP-USR	10G USR SFP+ TRANS 100M OVER MMF
18	Optics	10G-SFP-USR-E	10GE USR SFP+,HIGH RX SENSITIVITY
19		10G-SFP-USR-8-E	10GE USR SFP+,HIGH RX SENSITIVITY (8-pack)
20	Optics	10G-SFP-USR-SA	10GE USR SFP+ OPTIC (LC),RANGE 100M MMF, TAA
21	Optics	10G-SFP-SR	10G SR SFP+ TRANS 300M OVER MMF
22		10G-SFP-SR-8	10G SR SFP+ TRANS 300M OVER MMF 8
23	Optics	10G-SFP-SR-S	10GBASE-SR, SFP+OPTIC(LC), 300M MMF, 70C
24	Optics	10G-SFP-SR-SA	10GBASE-SR, SFP+OPTIC(LC), 300M MMF, TAA, 70C
25	Optics	10G-SFP-LR	10G LR SFP+ TRANS 10KM OVER SMF
26		10G-SFP-LR-8	10G LR SFP+ TRANS 10KM OVER SMF 8
27	Optics	10G-SFP-LR-S	10GBASE-LR, SFP+ OPTIC (LC),10KM OVERSMF, 70C
28	Optics	10G-SFP-LR-SA	10GBASE-LR, SFP+ OPTIC (LC),10KM OVERSMF, TAA, 70C

29	Optics	10G-SFP-ER	10G ER SFP+ TRANS 40KM OVER SMF
30	Optics	10G-SFP-ZR	10GBASE-ZR SFP+ UP TO 80KM
31	Optics	10G-SFP-ZRD-T	10GBASE-ZRD TUNABLE DWDM 80 KM SFP+
32	Optics	10G-SFP-BXU-S	10GE LR SFP+ OPTIC (LC) BIDIRECTIONAL UP
33	Optics	10G-SFP-BXD-S	10GE LR SFP+ OPTIC (LC) BIDIRECTIONAL DO
34	Copper	*Methode SP7051	Methode SP7051-BRCD SFP+ 10G-Base-T (10G speed only)
35	Copper	10G-SFP-TWX-P-0101	10 GbE SFP+ optics Twinax Passive Copper cable: 1m
36	Copper	10G-SFP-TWX-P-0301	10 GbE SFP+ optics Twinax Passive Copper cable: 3m
37	Copper	10G-SFP-TWX-P-0501	10 GbE SFP+ optics Twinax Passive Copper cable: 5m
38	Copper	10G-SFP-TWX-0101	10 GbE SFP+ optics Twinax Active Copper cable: 1m
39	Copper	10G-SFP-TWX-0301	10 GbE SFP+ optics Twinax Active Copper cable: 3m
40	Copper	10G-SFP-TWX-0501	10 GbE SFP+ optics Twinax Active Copper cable: 5m
41	Copper	10GE-SFP-AOC-0701	10GE SFP+ Direct Attach Cables 7m - Active Optical cables
42	Copper	10GE-SFP-AOC-1001	10GE SFP+ Direct Attach Cables 10m - Active Optical cables
43	Optics	40G-QSFP-SR4-1	40G QSFP+ SR4 TRANS 100M OVER MMF
44	Optics	40G-QSFP-SR4-INT	40G QSFP+ 100M OVER MMF 10G BREAKOUT
45	Optics	40G-QSFP-ESR4	40G QSFP+ 300M OVER MMF
46	Optics	40G-QSFP-ESR4-INT	40G QSFP+ 300M OVER MMF 10G BREAKOUT
47	Optics	40G-QSFP-LR4-1	40G QSFP+ LR4 FTRANS 10KM OVER SMF
48	Cables	40G-QSFP-LR4-INT	40G QSFP+ LR4 TRANS 10KM OVER SMF 10G BREAKOUT
49	Optics	40G-QSFP-ER4-1	40G QSFP+ ER4 40KM OVER SMF
50	Optics	40G-QSFPvSLX-SR-BIDI	40GE SR QSFP+ optic (LC), Bidirectional, 100m over OM3 MMF
51	Optics	40G-QSFP-LM4	40GBASE-LM4 QSFP+, 1310nm, 160m over duplex LC OM4 MMF, 2km over duplex LC SMF
52	Copper	40G-QSFP-C-0101	40G QSFP+ TO QSFP+ PASSIVE COPPER 1M
53	Copper	40G-QSFP-C-0301	40G QSFP+ TO QSFP+ PASSIVE COPPER 3M
54	Copper	40G-QSFP-C-0501	40G QSFP+ TO QSFP+ PASSIVE COPPER 5M
55	Copper	40G-QSFP-QSFP-C-0101	40G QSFP+ TO QSFP+ ACTIVE COPPER 1M
56	Copper	40G-QSFP-QSFP-C-0301	40G QSFP+ TO QSFP+ ACTIVE COPPER 3M
57	Copper	40G-QSFP-QSFP-C-0501	40G QSFP+ TO QSFP+ ACTIVE COPPER 5M
58	Optics	40G-QSFP-QSFP-AOC-1001	40G QSFP+ to QSFP+ ACTIVE OPTICAL CABLE 10M

59	Copper	40G-QSFP-4SFP-C-0101	4X10GE QSFP+TO4SFP+ COPPER BREAKOUT 1M
60	Copper	40G-QSFP-4SFP-C-0301	4X10GE QSFP+TO4SFP+ COPPER BREAKOUT 3M
61	Copper	40G-QSFP-4SFP-C-0501	4X10GE QSFP+TO4SFP+ COPPER BREAKOUT 5M
62	Optics	40G-QSFP-4SFP-AOC-1001	4X10GE QSFP+TO4SFP+ Fiber BREAKOUT 10M
63	Optics	100G-QSFP-ESR4	100GBASE-SR4 QSFP+ 300M
64	Optics	100G-QSFP28-SR4	100G QSFP28 SR4 TRANS 100M OVER MMF
65	Optics	100G-QSFP28-LR4L-2KM	100G QSFP28 LR4 LITE TRANS 2KM OVER SMF
66	Optics	100G-QSFP28-LR4-10KM	100G QSFP28 LR4 TRANS 10KM OVER SMF
67	Optics	100G-QSFP28-LR4-LP-10KM	100G QSFP28 LR4 LOWPOWER 2KM OVER SMF
68	Optics	100G-QSFP28-CWDM4-2KM	100GBASE CWDM4 QSFP TRANS LC 2KM OVER SM
69	Copper	100G-QSFP-QSFP-P-0101	100G QSFP Passive Direct Attach Copper Cable, 1M
70	Copper	100G-QSFP-QSFP-P-0301	100G QSFP Passive Direct Attach Copper Cable, 3M
71	Copper	100G-QSFP-QSFP-P-0501	100G QSFP Passive Direct Attach Copper Cable, 5M
72	Copper	100G-QSFP-QSFP-AOC-1001	100G QSFP Direct Attach Active Optical Cable, 10M
73	Copper	100G-QSFP-QSFP-P-0101	100G QSFP Passive Direct Attach Copper Cable, 1M
74	Copper	100G-QSFP-QSFP-P-0301	100G QSFP Passive Direct Attach Copper Cable, 3M
75	Copper	100G-QSFP-QSFP-P-0501	100G QSFP Passive Direct Attach Copper Cable, 5M
76	Optics	*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.

Zero Touch Provisioning (ZTP)

- ZTP is enabled by default on SLX switches from factory or by “write erase”. Upon switch power-on or reboot by “write erase”, it will automatically connect to DHCP server through both management interface and inband ports with connection for firmware to download and configuring the switch based on the DHCP configuration.
- If the switch does not have a DHCP server connected or the DHCP server is not configured for ZTP, the switch will keep searching the DHCP server for ZTP.

The serial console of the switch will display ZTP message as following:

```
ZTP, Sat Nov 17 07:55:37 2018, ===== ZTP start =====  
ZTP, Sat Nov 17 07:55:37 2018, disable raslog  
ZTP, Sat Nov 17 07:55:37 2018, CLI is ready  
ZTP, Sat Nov 17 07:55:49 2018, inband ports are enabled  
ZTP, Sat Nov 17 07:55:49 2018, serial number = 1818N-41522  
ZTP, Sat Nov 17 07:55:49 2018, model name = EN-SLX-9030-48S  
ZTP, Sat Nov 17 07:55:49 2018, use both management interface and inband interfaces  
ZTP, Sat Nov 17 07:55:49 2018, checking inband interfaces link status  
ZTP, Sat Nov 17 07:56:43 2018, find link up on interfaces: eth0 Eth0.1 Eth0.9 Eth0.10 Eth0.11  
ZTP, Sat Nov 17 07:56:43 2018, start dhcp process on interfaces: eth0 Eth0.1 Eth0.9 Eth0.10  
Eth0.11  
ZTP, Sat Nov 17 07:56:53 2018, get no dhcp response from all interfaces  
ZTP, Sat Nov 17 07:56:53 2018, retry in 10 seconds  
ZTP, Sat Nov 17 07:57:03 2018, inband ports are enabled  
ZTP, Sat Nov 17 07:57:03 2018, serial number = 1818N-41522  
ZTP, Sat Nov 17 07:57:03 2018, model name = EN-SLX-9030-48S  
ZTP, Sat Nov 17 07:57:03 2018, use both management interface and inband interfaces  
ZTP, Sat Nov 17 07:57:03 2018, checking inband interfaces link status  
ZTP, Sat Nov 17 07:57:04 2018, find link up on interfaces: eth0 Eth0.1 Eth0.6 Eth0.9 Eth0.10  
Eth0.11
```

ZTP, Sat Nov 17 07:57:04 2018, start dhcp process on interfaces: eth0 Eth0.1 Eth0.6 Eth0.9 Eth0.10 Eth0.11

ZTP, Sat Nov 17 07:57:14 2018, get no dhcp response from all interfaces

ZTP, Sat Nov 17 07:57:14 2018, retry in 10 seconds

You need to login onto the serial console, wait for the above message to show up to confirm ZTP has been triggered, and then run “dhcp ztp cancel” and “reload system” to cancel the ZTP operation.

SLX#

SLX# dhcp ztp cancel

After ZTP has been confirmed canceled, you need to run "reload system" before configuring the switch.

Do you want to continue? [y/n]

SLX#

SLX# reload system

Warning: This operation will cause the chassis to reboot and requires all existing telnet, secure telnet and SSH sessions to be restarted.

Unsaved configuration will be lost. Please run `copy running-config startup-config` to save the current configuration if not done already.

Are you sure you want to reboot the chassis [y/n]? y

017/03/27-21:14:13, [RAS-1007], 567,, INFO, SLX9030, System is about to reload.

Software upgrade and downgrade

Image file names

Download the following images from www.extremenetworks.com.

Image file name	Description
slxos18r.2.00.tar.gz	SLX-OS 18r.2.00 software
slxos18r.2.00_all_mibs.tar.gz	SLX-OS 18r.2.00 MIBS
slxos18r.2.00.md5	SLX-OS 18r.2.00 md5 checksum
tpvm2.0.0.tar.gz	SLX-OS TPVM software package

IMPORTANT: Starting in 18r.2.00 release, tpvm2.0.0.tar.gz package is decoupled from SLX-OS 18r.2.00 software. Please follow the instructions in the [Extreme SLX-OS Management Configuration Guide, 18r.2.00](#) before performing firmware download. If TPVM is already installed ensure it is un-installed before proceeding to the upgrade to 18r.2.00.

Upgrade and downgrade considerations

- Upgrade from a 32-bit to 64-bit SLX-OS is a two-step sequential process as shown below:
 - 1) Upgrade using 'coldboot' to 17r.1.01b
 - 2) Upgrade using 'fullinstall' to 64-bit SLX OS
- Upgrade/Downgrade using 'fullinstall' on an SLX 9850 takes up to 60 minutes for completion as compared to 25 minutes for 'coldboot'
- Upgrade from a 64-bit to 64-bit SLX-OS is performed using 'coldboot' option
- When firmware upgrade or downgrade is performed, following matrix can be used as a reference

Note on SLX9640:

After "write erase", upon switch boot up, log in to serial console as admin

1. *Run "dhcp ztp cancel"*
2. *Run "reload system"*
3. *After switch boot up, you could Install license or any config command*

To	16r.1.00 17r.1.00 17r.1.01 (32-bit)	17r.1.01b (32-bit)	17r.2.00a (64-bit)	18r.1.00a (64-bit)	18r.2.00 (64-bit)
From					
16r.1.00 17r.1.00 17r.1.01 (32-bit)	coldboot	Coldboot	Two Step Process: 1. Upgrade to 17r.1.01b 2. Upgrade to 17r.2.00a	Two Step Process: 1. Upgrade to 17r.1.01b 2. Upgrade to 18r.1.00a	Two Step Process: 1. Upgrade to 17r.1.01b 2. Upgrade to 18r.2.00
17r.1.01b (32-bit)	coldboot	Coldboot	fullinstall	fullinstall	Fullinstall
17r.2.0 (64-bit)	Two Step Process: 1. Downgrade to 17r.1.01b 2. coldboot to 16r.1.00	Fullinstall	coldboot	coldboot	Coldboot
18r.1.00a (64-bit)	Two Step Process: 1. Downgrade to 17r.1.01b 2. coldboot to 16r.1.00	Fullinstall	coldboot	coldboot	Coldboot
18r.2.00 (64-bit)	Two Step Process: 1. Downgrade to 17r.1.01b 2. coldboot to 16r.1.00	Fullinstall	coldboot	coldboot	Coldboot

Upgrade Steps from 32-bit to 64-bit SLX-OS

1. Make sure the device is running SLXOS 17r.1.01b or later, if not, please see the 17r.1.01b documentation on how to upgrade to that release.
2. Upgrade to SLX-OS 18r.2.00 using 'fullinstall'
3. Save Configuration

To save the config, run

copy running-config startup-config

4. Firmware download with "fullinstall" option from source directory

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

Notes:

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

Upgrade/downgrade using firmware download CLI through USB:

- Upgrade from SLX 17r.1.01a to SLX-OS 17.2.01a or later is supported via firmware download CLI with "fullinstall" option, but not supported with USB
- Upgrade from SLX 17r.1.01b to SLX-OS 17r.2.01a or later is supported via firmware download CLI with "fullinstall" option.

Instruction to check and upgrade FPGAs/CPLDs:

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

FPGA/CPLD versions:

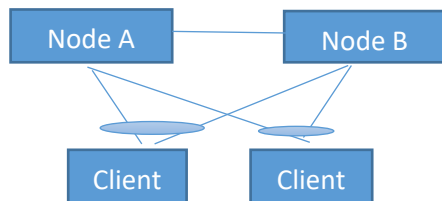
SLX-9850	Release Date
MM sys FPGA	08/25/2016
LC sys FPGA	08/30/2016
SFM sys FPGA	08/04/2016
SLX-9540	Release Date
Sys FPGA	02/09/2017
CPLD 0	02/09/2017
CPLD 1	02/09/2017
SLX-9640	Release Date
Sys FPGA	05/03/2018

CPUCPLD	05/03/2018
IOCPD-1	08/03/2018
IOCPD-2	08/03/2018

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 18r.2.00 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.

TPVM considerations for upgrading SLX9850 & SLX9540 to 18r.2.0

When upgrading a SLX9850 and SLX9540 from previous releases to 18r.2.00, if TPVM is installed in the system, you **must** un-install it by running the “tpvm uninstall” command before starting firmware download. Otherwise, it will cause system initialization issue.

After the system is upgraded to 18r.2.00, you can install the TPVM image from 18r.2.00 by running the “tpvm install” command.

Limitations and restrictions

BFD:

- Sessions with less than 200ms timer may flap in scale conditions
- Known issues with BFD when BFD is configured over multi-slot LAG

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

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. Jumbo frames over MPLS/L3VPN tunnels can be accepted based the port L2MTU values.

Increase scale support for class-maps under the service policy

- The ACL/VLAN/BD Rate Limiting scale numbers are dependent on tcam profile configured. Basically, based on the tcam entries reserved for the feature, user can scale number of policers/stats for appropriate application.

Consider below example with tcam profile "layer2-optimised-1".

- Create 2K Vlan/BD based class-maps and 2K ACL based class-maps associate those with policy-map pmap1.
- Configure 1k distinct policer attributes (cir/cbs/eir/ebs) for all the policy-map/class-map combination and bind the policy-map pmap1 to any interface.
- Now overall there will be 4K policers active for that interface with 4k distinct class-maps (match criteria).
- Note: The 4K policers (class-maps) scale will not be applicable to port-channel. There are only 1,215 policers are reserved for port-channels.
- Based on the requirement user must set the tcam profile and must reboot the box for activating the same.

QoS/Rate Limiting

- If the user tries to bind the policer with configured CIR/EIR value is less than 22000 bps in SLX9850 or SLX 9540 the operational CIR/EIR will be zero and the same will be notified to the user via syslog on console.

Misc

- IPV4 syslog server and IPV6 syslog server can't be configured together.

- IPv6 based syslog server with the 'format RFC-5424' option is not supported.
- Issues with special-characters in password.
 - Dollar sign (\$), double-quote sign ("), and single-quote (') are not supported by the firmware download command.
 - Double-quote (") is not supported the copy support command.
 - Single-quote (') is not supported by the copy config command.

SLX 9640 Only

- MCT/L3 - The bridge-domain will need to use VC raw mode for traffic to work.

Closed with code changes 18r.2.00

This section lists software defects with Critical, High, and Medium Technical Severity closed with a code change as of **12/18/2018** in 18r.2.00.

Defect ID:	DEFECT000645352		
Technical Severity:	Medium	Probability:	Low
Product:	Brocade SLX-OS	Technology Group:	Layer 2 Switching
Reported In Release:	SLXOS 17s.1.02	Technology:	VXLAN - Virtual Extensible LAN
Symptom:	When the command "clear counters all" is executed sflow statistics will not reset.		
Condition:	For the command "clear counters all" ,reset of sflow statistics is not yet implemented.		
Workaround:	The command "clear sflow statistics interface <type><name>" resets sflow statistics.		

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

Defect ID:	DEFECT000650830		
Technical Severity:	Medium	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Management
Reported In Release:	SLXOS 17r.1.01	Technology:	SNMP - Simple Network Management Protocol
Symptom:	No method to clear SNMP statistics.		
Condition:	snmpget/snmpwalk on ifMIB objects representing interface statistics.		

Defect ID:	DEFECT000651257		
Technical Severity:	High	Probability:	Low
Product:	Brocade SLX-OS	Technology Group:	Management
Reported In Release:	SLXOS 17r.2.00	Technology:	LLDP - Link Layer Discovery Protocol
Symptom:	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.		
Condition:	Setting clock backward will introduce this issue.		
Workaround:	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.		
Recovery:	Reload the system.		

Defect ID:	DEFECT000651602		
Technical Severity:	Medium	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 17r.1.01	Technology:	VRRPv3 - Virtual Router Redundancy Protocol Version 3
Symptom:	User won't be able to configure VRRP/v3 VRID beyond 1-16 range.		
Condition:	This limitation doesn't restricts user from configuring large number of VRRP sessions.		

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

Defect ID:	DEFECT000653739		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 2 Switching
Reported In Release:	SLXOS 17r.2.00	Technology:	MCT - Multi-Chassis Trunking
Symptom:	MCT Client LAG interface goes to online state on SLX switch, which connected to an MLX switch, even though the client-id is mismatched.		
Condition:	SLX switch configured with MCT Client LAG Interface with different client ID on both MCT peer switches. Note: LACP protocol on MCT LAG interface.		
Workaround:	It is negative test case. Keep same client-id for MCT Client LAG interface on both MCT peer nodes		

Defect ID:	DEFECT000656999		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Management
Reported In Release:	SLXOS 17r.2.00	Technology:	CLI - Command Line Interface
Symptom:	IS-IS utilizes 2.5% of system memory		
Condition:	This issue happens when IS-IS process comes up		

Defect ID:	DEFECT000657223		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 2 Switching
Reported In Release:	SLXOS 17r.2.00	Technology:	VXLAN - Virtual Extensible LAN
Symptom:	The configuration will fail with an error message "%Error: LIF missing VLAN Classification"		
Condition:	1, Change the switch mode to trunk-no-default-native. 2. Change the vlan mode of logical interface from tagged to untagged without removing the tagged vlan configuration under the logical interface.		
Workaround:	Delete the tagged vlan configuration under the logical interface and delete the logical interface before changing the switch mode and vlan mode.		
Recovery:	Delete the logical interface and bridge domain configuration and re-configure.		

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

Defect ID:	DEFECT000658242		
Technical Severity:	Low	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Traffic Management
Reported In Release:	SLXOS 17r.2.01	Technology:	Rate Limiting and Shaping
Symptom:	Rate limit will not be operational as per the configured values and the operational CIR/EIR values will be zero.		
Condition:	Bind the policy-map/storm-control to an interface which has information rates (CIR/EIR) less than the 22000 bps.		

Defect ID:	DEFECT000659400		
Technical Severity:	High	Probability:	Medium
Product:	Brocade SLX-OS	Technology Group:	MPLS
Reported In Release:	SLXOS 17r.2.01	Technology:	IP over MPLS
Symptom:	LSP down and traffic drop is observed.		
Condition:	Very huge scale of LSP and a bypass LSP tunnel is used by multiple LSPs as secondary path. Execute "clear lsp all" multiple times.		

Defect ID:	DEFECT000660423		
Technical Severity:	Medium	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Management
Reported In Release:	SLXOS 17r.2.00	Technology:	CLI - Command Line Interface
Symptom:	Description CLI in interface submode can be used to configure a brief description of the interface. This CLI is not present for VE and loopback interfaces.		
Condition:	Configuration submode for VE and loopback interfaces.		

Defect ID:	DEFECT000661051		
Technical Severity:	High	Probability:	Medium
Product:	Brocade SLX-OS	Technology Group:	MPLS
Reported In Release:	SLXOS 17r.2.01	Technology:	MPLS VPLS - Virtual Private LAN Services
Symptom:	During High availability Management Module fail-over, Layer 2 MAC addresses from a remote VPLS peer are learnt on a different Bridge Domain.		
Condition:	The user has issued High availability MM failover command so that the standby MM becomes an active MM		
Workaround:	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.		

Defect ID:	DEFECT000661116		
Technical Severity:	High	Probability:	Medium
Product:	Brocade SLX-OS	Technology Group:	Layer 2 Switching
Reported In Release:	SLXOS 17s.1.02	Technology:	MCT - Multi-Chassis Trunking
Symptom:	MCT cluster formation takes a very long time(>4 mins) or cluster formation fails.		
Condition:	If MCT cluster peer is added and removed repeatedly for more than 100 times, then the issue is seen.		
Workaround:	Reload of switch is required to recover from the condition.		

Defect ID:	DEFECT000661746		
Technical Severity:	Low	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Monitoring
Reported In Release:	SLXOS 17r.1.01	Technology:	Hardware Monitoring
Symptom:	Incorrect output at "Local Fault detected"		
Condition:	When we execute "flex-cli show local-fault slot X"		

Defect ID:	DEFECT000661763		
Technical Severity:	High	Probability:	Medium
Product:	Brocade SLX-OS	Technology Group:	Layer 2 Switching
Reported In Release:	SLXOS 18r.1.00	Technology:	VLAN - Virtual LAN
Symptom:	Switch may undergo unexpected reload		
Condition:	With scale and stress conditions with endpoint tracking enabled, if admin does clear mac-address-table dynamic multiple times		

Defect ID:	DEFECT000662140		
Technical Severity:	Medium	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Management
Reported In Release:	SLXOS 18r.1.00	Technology:	Configuration Fundamentals
Symptom:	The slot info is missing in these two raslog messages and this happens only during the switch reboot. This issue is not seen once the switch is up and running.		
Condition:	Issue happens on reboot only.		

Defect ID:	DEFECT000662378		
Technical Severity:	Low	Probability:	Low
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 17r.1.01	Technology:	IP Addressing
Symptom:	Cosmetic issue.IP address displayed in reverse order.		
Condition:	1.NOS CLI mode "debug nsm dump globals"		

Defect ID:	DEFECT000662567		
Technical Severity:	Medium	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Management
Reported In Release:	SLXOS 18r.1.00	Technology:	Configuration Fundamentals
Symptom:	Show command for VE shows the operational state. But no reason is provided in the show command if the operational state is down.		
Condition:	Configure a VE and enable it but do not associated with a VLAN. VE in this case will be operational down but the reason why it was "operational down" could not be determined via show commands..		

Defect ID:	DEFECT000662794		
Technical Severity:	High	Probability:	Medium
Product:	Brocade SLX-OS	Technology Group:	Management
Reported In Release:	SLXOS 18r.1.00	Technology:	CLI - Command Line Interface
Symptom:	Device is not able to accept user commands and displays "application communication failure".		
Condition:	This can happen in a rare case in which an user command is unable to complete and this prevents the device from accepting more commands.		
Recovery:	The device will time out and will reboot automatically for recovery.		

Defect ID:	DEFECT000662846		
Technical Severity:	Medium	Probability:	Low
Product:	Brocade SLX-OS	Technology Group:	Monitoring
Reported In Release:	SLXOS 17r.1.01	Technology:	Hardware Monitoring
Symptom:	"show system monitor" is not supported, however there is no any functional impact and only display issue.		
Condition:	"show system monitor" is not supported, however there is no any functional impact and only display issue.		

Defect ID:	DEFECT000663033		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Management
Reported In Release:	SLXOS 18x.1.00	Technology:	NTP - Network Time Protocol
Symptom:	Can not change NTP server version from 3 to 4. The command is rejected with "Version should be either 3 or 4" error.		
Condition:	When a specific NTP server is configured as version 3 and then user tries to change the same NTP server configuration to version 4, the command is rejected. However, there is no issue if the user configures a new NTP server with version 4 (instead of modifying from version 3 to 4).		
Workaround:	Remove the current NTP server configuration which has version 3 and then re-configure with version 4.		

Defect ID:	DEFECT000663072		
Technical Severity:	High	Probability:	Medium
Product:	Brocade SLX-OS	Technology Group:	Monitoring
Reported In Release:	SLXOS 17r.2.00	Technology:	OAM - Operations, Admin & Maintenance
Symptom:	Y1731 Scheduled SLM cannot interop with CES device when SLX device is configured as responder.		
Condition:	SLX device is configured as responder.		

Defect ID:	DEFECT000663076		
Technical Severity:	High	Probability:	Medium
Product:	Brocade SLX-OS	Technology Group:	Layer 2 Switching
Reported In Release:	SLXOS 18r.1.00	Technology:	VLAN - Virtual LAN
Symptom:	L2sysdd terminates unexpectedly on MCT peer with scaled system with 2000 VLANs advertised from CCEP client and 1900 of them are withdrawn.		
Condition:	L2sysd may terminate unexpectedly on MCT peer with scale configuration.		
Workaround:	Reduce the scale configuration.		

Defect ID:	DEFECT000663247		
Technical Severity:	Medium	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 2 Switching
Reported In Release:	SLXOS 18r.1.00	Technology:	VXLAN - Virtual Extensible LAN
Symptom:	Virtual system MAC display under Ports/LIF/PW/ column		
Condition:	Virtual System MAC presence on system using VRRP etc.		

Defect ID:	DEFECT000663298		
Technical Severity:	High	Probability:	Low
Product:	Brocade SLX-OS	Technology Group:	Monitoring
Reported In Release:	SLXOS 18r.1.00	Technology:	Hardware Monitoring
Symptom:	Fan failure will not be displayed in 'show system monitor'.		
Condition:	Fan monitor state in 'show system monitor' will not change from healthy to marginal in case of any fan failure.		

Defect ID:	DEFECT000663489		
Technical Severity:	Low	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Management
Reported In Release:	SLXOS 18r.1.00	Technology:	Configuration Fundamentals
Symptom:	Serial Number is not getting displayed in show cluster management detail.		
Condition:	This issue is seen always due to some application logical error.		
Workaround:	The serial number can still be seen from other command like "show chassis"		

Defect ID:	DEFECT000663490		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Monitoring
Reported In Release:	SLXOS 18r.1.00	Technology:	Telemetry
Symptom:	The warning messages are displayed on device console . These warning messages are displayed from GRPC library and it will not have any impact on working of telemetry server operations.		
Condition:	When telemetry server is activated for the first time after device boot up.		

Defect ID:	DEFECT000663580		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.1.00	Technology:	Static Routing (IPv4)
Symptom:	When there exist very high rate traffic and very low rate traffic together, the counter for the very low rate traffic increments very slowly.		
Condition:	When there exist very high rate traffic and very low rate traffic together.		

Defect ID:	DEFECT000663745		
Technical Severity:	Medium	Probability:	Medium
Product:	Brocade SLX-OS	Technology Group:	Monitoring
Reported In Release:	SLXOS 18r.1.00	Technology:	OAM - Operations, Admin & Maintenance
Symptom:	CFM connectivity failure is seen for UP MEP. when bridge-domain vc-mode is tagged and the main interface(physical or LAG) TPID is configured other than 0x8100,		
Condition:	Configure Interface TPID other than default 0x8100 Configure Logical interface under this main interface Bind logical interface to a bridge-domain. Configure pw-profile with vc-mode as tag. Bind pw-profile to the same bridge-domain. Configure CFM with Maintenance Association(MA) binded to the same main interface. Configure MEP with direction as UP within the MA. Remote MEP here would not be learnt leading to connectivity failure.		
Recovery:	Remove the vc-mode configuration in pw-profile to reset to default as raw mode. Another recovery is to remove the interface TPID so that it is reset to default of 0x8100. In both these scenarios, the CFM connectivity will be restored with Remote MEP learnt.		

Defect ID:	DEFECT000664088		
Technical Severity:	High	Probability:	Low
Product:	Brocade SLX-OS	Technology Group:	MPLS
Reported In Release:	SLXOS 17r.1.01	Technology:	MPLS VPLS - Virtual Private LAN Services
Symptom:	Traffic drop over MPLS tunnels.		
Condition:	Reload of the MPLS uplink line card multiple times may occasionally cause this issue.		
Recovery:	Reload problematic line card(s).		

Defect ID:	DEFECT000664170		
Technical Severity:	Medium	Probability:	Medium
Product:	Brocade SLX-OS	Technology Group:	Layer 2 Switching
Reported In Release:	SLXOS 18r.1.00	Technology:	VLAN - Virtual LAN
Symptom:	Endpoint may be authenticated using older radius configured.		
Condition:	Client interface, configured with endpoint tracking, shutdown under cluster configuration can lead to issue.		

Defect ID:	DEFECT000664251		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.2.00	Technology:	BGP4 - IPv4 Border Gateway Protocol
Symptom:	User will observe that in show ip bgp neighbors/show bgp ip flowspec neighbors "Byte Received counter" is not updated for specific neighbor. It will not have any impact on the functionality as its a display issue .		
Condition:	User may see this behavior when checking for neighbors through "show ip bgp neighbors/show bgp ip flowspec neighbors" command.		

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

Defect ID:	DEFECT000664451		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Traffic Management
Reported In Release:	SLXOS 17r.1.01	Technology:	Traffic Queueing and Scheduling
Symptom:	ARP flooding with high rate(1G) can cause CPU Protocol Queue Congestion. This could cause RSVP flap, Fix will be included in next release.		
Condition:	ARP flooding with high rate(1G) is unlikely user scenario.Workaround is to apply shaper if this issue happens.		

Defect ID:	DEFECT000664456		
Technical Severity:	Medium	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Management
Reported In Release:	SLXOS 18r.1.00	Technology:	Configuration Fundamentals
Symptom:	The command "write erase all" throws some errors while it is issued.		
Condition:	when issuing the command "write erase all".		

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

Defect ID:	DEFECT000664491		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	MPLS
Reported In Release:	SLXOS 18r.1.00	Technology:	MPLS VPLS - Virtual Private LAN Services
Symptom:	Incorrect MAC address may briefly appear after HA failover at peer in the network. The traffic loop is extremely brief but it may cause misdelivery of a few packets. This causes the mac table to be incorrect for 30 minutes, though the traffic recovers within a few milliseconds.		
Condition:	MM HA failover or MPLS process restart with MPLS tunnels; unless LDP tunnels are used for transport and GR is enabled.		

Defect ID:	DEFECT000664496		
Technical Severity:	High	Probability:	Low
Product:	Brocade SLX-OS	Technology Group:	Layer 2 Switching
Reported In Release:	SLXOS 18r.1.00	Technology:	MCT - Multi-Chassis Trunking
Symptom:	slowpath MAC stays as CCR on MCT nodes		
Condition:	no deploy/deploy under client		

Defect ID:	DEFECT000664554		
Technical Severity:	High	Probability:	Low
Product:	Brocade SLX-OS	Technology Group:	MPLS
Reported In Release:	SLXOS 18r.1.00	Technology:	MPLS VPLS - Virtual Private LAN Services
Symptom:	Relearning of MACs takes more time when all dynamics are cleared with high number of MACs learnt in the system like 32k MACs. There is no disruption to the traffic.		
Condition:	Executing the command "clear mac dynamic" to clear all MACs from the system.		
Recovery:	It is auto recovered within 4-5 mins.		

Defect ID:	DEFECT000664612		
Technical Severity:	High	Probability:	Medium
Product:	Brocade SLX-OS	Technology Group:	Monitoring
Reported In Release:	SLXOS 18r.1.00	Technology:	OAM - Operations, Admin & Maintenance
Symptom:	User may observe that dot1ag daemon may get blocked when significant number of SNMP notifications are triggered instantaneously for large number of CFM session, when the timeout interval parameter changes for these CFM sessions, from a higher timeout value to lower timeout value .		
Condition:	User may observe this issue when he is changing CCM interval for 300 or more sessions and timeout interval value from higher to lower.		
Workaround:	Before changing the CCM interval, bring DOWN CFM sessions, followed by configuring the CCM timeout interval on both local and remote systems and then bring them UP.		

Defect ID:	DEFECT000664642		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.2.00	Technology:	VRRPV3 - Virtual Router Redundancy Protocol Version 3
Symptom:	Running IPv6 and VRRPV3 on the same node may lead to traffic loss		
Condition:	Running IPv6 and VRRPV3 in the same device		
Workaround:	Problem has been resolved in 18r. 2.00		

Defect ID:	DEFECT000664673		
Technical Severity:	High	Probability:	Medium
Product:	Brocade SLX-OS	Technology Group:	Layer 2 Switching
Reported In Release:	SLXOS 18r.1.00	Technology:	MCT - Multi-Chassis Trunking
Symptom:	One of the client state is shown as un-deploy.		
Condition:	Multiple deploy/no deploy done at both the MCT peers.		

Defect ID:	DEFECT000664676		
Technical Severity:	High	Probability:	Low
Product:	Brocade SLX-OS	Technology Group:	MPLS
Reported In Release:	SLXOS 18r.1.00	Technology:	MPLS VPLS - Virtual Private LAN Services
Symptom:	several minutes traffic drops might be seen with a batch of remote VPLS MACs movement		
Condition:	The issue might be seen with over 5K remote VPLS MACs movement. The traffic drops will be recovered in 5 minutes.		

Defect ID:	DEFECT000664679		
Technical Severity:	Medium	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.1.00	Technology:	IP Addressing
Symptom:	Next hop IP address is displayed in wrong format in debug internal command. There is not functionality impact.		
Condition:	The regular user CLI command displayed in the correct format.		

Defect ID:	DEFECT000664710		
Technical Severity:	High	Probability:	Low
Product:	Brocade SLX-OS	Technology Group:	Layer 2 Switching
Reported In Release:	SLXOS 18r.1.00	Technology:	VLAN - Virtual LAN
Symptom:	l2sysd terminates unexpectedly and switch is reloaded.		
Condition:	With stress and scaled endpoint enabled scenarios if admin does "clear mac-address-table" multiple times		

Defect ID:	DEFECT000664774		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.1.00	Technology:	BGP4 - IPv4 Border Gateway Protocol
Symptom:	BGP daemon would terminate and cause router to reload		
Condition:	BGP peer in/out route-maps where added/removed in a loop using a script.		

Defect ID:	DEFECT000664790		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Management
Reported In Release:	SLXOS 18r.1.00	Technology:	CLI - Command Line Interface
Symptom:	Username is shown as default name "ADMIN" instead of the TACACS user name in audit log.		
Condition:	Configure TACACS server and authenticate via TACACS user. Do VLAN configuration and deletion through TACACS user Validate username under the audit log for the specific configuration		

Defect ID:	DEFECT000664792		
Technical Severity:	High	Probability:	Medium
Product:	Brocade SLX-OS	Technology Group:	Management
Reported In Release:	SLXOS 18r.1.00	Technology:	CLI - Command Line Interface
Symptom:	SSH/Telnet detail is updated as "console" instead of SSH/Telnet under Audit log if configuration changes is done by Tacacs user.		
Condition:	When a Tacacs user make configuration changes, SSH/Telnet details is not updated correctly under Audit log.		

Defect ID:	DEFECT000664794		
Technical Severity:	High	Probability:	Medium
Product:	Brocade SLX-OS	Technology Group:	Management
Reported In Release:	SLXOS 18r.1.00	Technology:	CLI - Command Line Interface
Symptom:	In TACACS+, accounting log 'device type' will be shown as "unknown".		
Condition:	When REST or NETCONF query is issued, the TACACS+ accounting log will show device type as "unknown".		

Defect ID:	DEFECT000664801		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 2 Switching
Reported In Release:	SLXOS 18r.1.00	Technology:	MCT - Multi-Chassis Trunking
Symptom:	Mcdsd daemon can terminate when the ICL connectivity between leaf nodes in a management cluster is toggled multiple times.		
Condition:	The ICL between leaf nodes in a management cluster is toggled multiple times.		

Defect ID:	DEFECT000664817		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.1.00	Technology:	BGP4 - IPv4 Border Gateway Protocol
Symptom:	BGP daemon would terminate and cause router to reload		
Condition:	Add/remove in/out route-map for all BGP peers in a loop using a script		

Defect ID:	DEFECT000664819		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.1.00	Technology:	BGP4 - IPv4 Border Gateway Protocol
Symptom:	BGP daemon would terminate and cause router to reload		
Condition:	BGP process restart is configured. Add/remove in/out route-map for all BGP peers in a loop using a script.		

Defect ID:	DEFECT000664820		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	MPLS
Reported In Release:	SLXOS 17r.1.01	Technology:	MPLS VPLS - Virtual Private LAN Services
Symptom:	Line Processor will hit an unexpected reload or set to faulty.		
Condition:	When user power-off/on the line card multiple times, this issue can be seen		
Workaround:	Workaround is to reload the system and ensure all the system is UP and Online.		

Defect ID:	DEFECT000664851		
Technical Severity:	High	Probability:	Medium
Product:	Brocade SLX-OS	Technology Group:	Management
Reported In Release:	SLXOS 18r.1.00	Technology:	CLI - Command Line Interface
Symptom:	SNMP traps are received with source ip as device Mgmt IP instead of the in-band mgmt ip when the in-band interface is in mgmt-vrf		
Condition:	Seen only when the in-band interface is in mgmt-vrf. No such issue exists for default-vrf and <user VRF>.		

Defect ID:	DEFECT000664867		
Technical Severity:	Medium	Probability:	Medium
Product:	Brocade SLX-OS	Technology Group:	Management
Reported In Release:	SLXOS 18r.1.00	Technology:	SNMP - Simple Network Management Protocol
Symptom:	'snmp-server enable trap' and its no command do not show up in show running-config		
Condition:	by default 'snmp-server enable trap' is enabled and it can be disabled by no form of its command. In both cases the command does not show in 'show running-config'		
Workaround:	'snmp-server enable trap' can be seen in the show command for default values i.e "show running-config all"		

Defect ID:	DEFECT000664912		
Technical Severity:	High	Probability:	Medium
Product:	Brocade SLX-OS	Technology Group:	Management
Reported In Release:	SLXOS 18r.1.00	Technology:	CLI - Command Line Interface
Symptom:	'show user' command won't show the correct role for the user.		
Condition:	When AAA authentication method is tacacs+ and REST query is issued, 'show user' won't show correct role for the user.		

Defect ID:	DEFECT000664923		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 2 Switching
Reported In Release:	SLXOS 18r.1.00	Technology:	MCT - Multi-Chassis Trunking
Symptom:	May experience little delay while collecting SupportSave.		
Condition:	While collecting System Supportsave. it would be seen with scaled configuration.		

Defect ID:	DEFECT000664969		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Management
Reported In Release:	SLXOS 18r.1.00	Technology:	CLI - Command Line Interface
Symptom:	Error like "% Error: VRF does not exist & %Error: Given vrf is not configured." will be seen while doing config replay and could not retain the syslog related configuration with this user defined VRF.		
Condition:	<ol style="list-style-type: none"> 1) Bring up the device and do the configuration as "logging syslog-server 5.5.5.1 use-vrf red", where "red" is the user defined VRF. and then copy the running configuration to remote server. 2) Copy default config to startup config and reload system 3) After reload and system is up and running do config replay by copying the config from remote server to switch. 		

Defect ID:	DEFECT000664986		
Technical Severity:	High	Probability:	Low
Product:	Brocade SLX-OS	Technology Group:	Layer 2 Switching
Reported In Release:	SLXOS 18r.1.00	Technology:	MCT - Multi-Chassis Trunking
Symptom:	After clearing BGP EVPN neighbors VXLAN tunnel traffic sent out with zero DA MAC. This is seen rarely does not happen always. Need to reload the box to recover.		
Condition:	After clearing BGP EVPN neighbors VXLAN tunnel traffic sent out with zero DA MAC. This is seen rarely does not happen always.		

Defect ID:	DEFECT000664990		
Technical Severity:	High	Probability:	Low
Product:	Brocade SLX-OS	Technology Group:	MPLS
Reported In Release:	SLXOS 18r.1.00	Technology:	MPLS VPLS - Virtual Private LAN Services
Symptom:	Console messages indicating encap failure appear on the standby console. During HA failover; even when LDP GR is enabled; there may be traffic loss until the correct hardware ids are reallocated.		
Condition:	LDP tunnel framework with dual MMs. Problem was seen during upgrade.		

Defect ID:	DEFECT000665036		
Technical Severity:	High	Probability:	Medium
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.1.00	Technology:	OSPF - IPv4 Open Shortest Path First
Symptom:	Ping is not working for MCT peer VE interface defined IP. OSPF is not coming up.		
Condition:	issue was reported first time and same issue existed from very early kernel EVPN support (VDX as well) - happens due to timing		
Workaround:	shut/no-shut interface to recover from this condition		
Recovery:	shut/no-shut interface to recover from this condition		

Defect ID:	DEFECT000665046		
Technical Severity:	High	Probability:	Low
Product:	Brocade SLX-OS	Technology Group:	Management
Reported In Release:	SLXOS 18r.1.00	Technology:	Configuration Fundamentals
Symptom:	<p>While system is coming up, sometimes following error message is displayed: VERIFY - Failed expression: shmid != -1, file = sfmps_utils.c, line = 272, user mode args = 22 or following: VERIFY - Failed expression: SFMPS_OK == status, file = sfmps_pub.c, line = 88, user mode args = 4294967295</p>		
Condition:	Sometimes, we don't generate unique keys used to create shared memory.		

Defect ID:	DEFECT000665081		
Technical Severity:	High	Probability:	Low
Product:	Brocade SLX-OS	Technology Group:	Layer 2 Switching
Reported In Release:	SLXOS 18r.1.00	Technology:	MCT - Multi-Chassis Trunking
Symptom:	While using IP Fabric, the cluster gateway MAC Address may not be correctly programmed in the Hardware. It has no functional impact.		
Condition:	Using IP Fabric with BGP-EVPN		
Recovery:	<p>execute the below CLI commands in the following order :</p> <pre>no evpn irb ve <ve-id> evpn irb ve <ve-id> cluster-gateway</pre>		

Defect ID:	DEFECT000665090		
Technical Severity:	Medium	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Security
Reported In Release:	SLXOS 17r.2.01	Technology:	DoS (Denial of Service) protection
Symptom:	<p>The CLI configuration response message goes to the RASLOG and serial console. In case the configured storm-control limit is less than the minimum supported value of Jericho chip set i.e.22kbps, the operational rate is set to zero.</p>		
Condition:	Configure the storm-control limit to less than 22000 bps.		
Workaround:	Use "Show Logging" to check the warning if user has used telnet session.		

Defect ID:	DEFECT000665159		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	MPLS
Reported In Release:	SLXOS 18r.1.00	Technology:	MPLS Traffic Engineering
Symptom:	User may hit traffic drop on MPLS transit node.		
Condition:	Interface(Port-channel) flaps on mpls transit node.		
Recovery:	Clear arp for on mpls transit node for the problematic tunnel.		

Defect ID:	DEFECT000665177		
Technical Severity:	High	Probability:	Medium
Product:	Brocade SLX-OS	Technology Group:	Layer 2 Switching
Reported In Release:	SLXOS 18r.1.00	Technology:	MCT - Multi-Chassis Trunking
Symptom:	Without a reboot, if cluster is reformed like more than 150 times, you see that the management cluster formation takes huge time. Initially after a reboot (1st time), cluster will form in 60 to 80 seconds, but after 150 iterations, the performance might degrade and go up to 6-7 mins.		
Condition:	The ICL should be continuously flapping without any reboots. Then we can hit this performance issue.		

Defect ID:	DEFECT000665195		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 2 Switching
Reported In Release:	SLXOS 17r.1.01	Technology:	LAG - Link Aggregation Group
Symptom:	Port Mac Security violation will not occur after HA failover operation. Port Mac Security violation occurred and port is brought up with no shutdown command. After HA failover , violation will not occur even for violating traffic.		
Condition:	when admin up performed on Port Mac Security violated port. all flags related to PMS are set , but not synced to standby MM.		
Recovery:	perform shut and no shut on port under port mac security		

Defect ID:	DEFECT000665215		
Technical Severity:	High	Probability:	Low
Product:	Brocade SLX-OS	Technology Group:	Layer 2 Switching
Reported In Release:	SLXOS 18r.2.00	Technology:	MCT - Multi-Chassis Trunking
Symptom:	Its a negative scenario. During the cluster formation there should be some errors and it should rollback to its original state. During which MCDS forgets all the Tunnels discovered and hence conflicts would be seen.		
Condition:	ICL flaps during cluster formation can lead to this.		

Defect ID:	DEFECT000665218		
Technical Severity:	High	Probability:	Medium
Product:	Brocade SLX-OS	Technology Group:	MPLS
Reported In Release:	SLXOS 18r.1.00	Technology:	MPLS VPLS - Virtual Private LAN Services
Symptom:	"show mpls ldp fec vc <ID>" output repeats		
Condition:	Observed when LDP session was in Non-existent state, but the correlation between this bug and that condition is not verified.		

Defect ID:	DEFECT000665296		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Monitoring
Reported In Release:	SLXOS 17r.2.01	Technology:	OAM - Operations, Admin & Maintenance
Symptom:	User might observe that CFM sessions do not come up upon reload with MAs configured with Long MAID in scaled scenarios		
Condition:	Configure MEPs within MA that uses Long MAID. With Remote MEPs learnt, perform a reload. User will observe that the CFM remote MEPs would not be learnt after reload. This is typically seen with MA scale of 20 or more.		
Recovery:	Remove and Configure back the MAs with Long MAID and the MEPs within.		

Defect ID:	DEFECT000665328		
Technical Severity:	Medium	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.1.00	Technology:	BGP4+ - IPv6 Border Gateway Protocol
Symptom:	Cluster-Gateway Remote MAC is not programmed.		
Condition:	Cluster-Gateway Remote MAC is not programmed.		
Workaround:	Configure allow-as to accept, prefix routes from LVTEP peer.		
Recovery:	Configure allow-as to accept, prefix routes from LVTEP peer.		

Defect ID:	DEFECT000665403		
Technical Severity:	High	Probability:	Medium
Product:	Brocade SLX-OS	Technology Group:	MPLS
Reported In Release:	SLXOS 18r.1.00	Technology:	MPLS Traffic Engineering
Symptom:	mplsd terminated and restarted,		
Condition:	High scale of FRR LSPs , combined with stressful events.		

Defect ID:	DEFECT000665430		
Technical Severity:	High	Probability:	Medium
Product:	Brocade SLX-OS	Technology Group:	Management
Reported In Release:	SLXOS 18r.1.00	Technology:	SNMP - Simple Network Management Protocol
Symptom:	SNMPWALK on OSPF MIB causes the switch to reload unexpectedly.		
Condition:	Configure OSPF area and basic SNMP. Do SNMPWALK under the table "ospfAreaTable".		

Defect ID:	DEFECT000665471		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Monitoring
Reported In Release:	SLXOS 17r.2.01	Technology:	OAM - Operations, Admin & Maintenance
Symptom:	In a scaled CFM configuration, when ccm-interval is changed for a MEP, it may move to Fail state and remains in the fail state forever.		
Condition:	In a scaled CFM configuration, When ccm-interval is changed for a MEP configured under the MA.		
Recovery:	Reconfigure the MEP which remain in fail state.		

Defect ID:	DEFECT000665489		
Technical Severity:	High	Probability:	Medium
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.1.00	Technology:	BGP4 - IPv4 Border Gateway Protocol
Symptom:	L3 Traffic might be sent out on a wrong tunnel in EVPN/VxLAN scenario.		
Condition:	Sometimes when ?clear bgp evpn neighbor all? or "reload" is triggered on a peer router.		
Recovery:	clear bgp evpn neighbor all		

Defect ID:	DEFECT000665493		
Technical Severity:	High	Probability:	Medium
Product:	Brocade SLX-OS	Technology Group:	MPLS
Reported In Release:	SLXOS 18r.1.00	Technology:	MPLS VPLS - Virtual Private LAN Services
Symptom:	In stress scenarios, this may show as MAC out of sync in MM and LC but has no functional impact as traffic gets forwarded normally.		
Condition:	Seen in stress scenarios and has no impact on forwarding of traffic.		

Defect ID:	DEFECT000665494		
Technical Severity:	High	Probability:	Medium
Product:	Brocade SLX-OS	Technology Group:	Layer 2 Switching
Reported In Release:	SLXOS 18r.1.00	Technology:	MCT - Multi-Chassis Trunking
Symptom:	Cluster management is in a degraded state after removing and adding back an EVPN instance on one cluster peer.		
Condition:	Removing and adding back an EVPN instance on one cluster peer.		
Recovery:	Execute "clear bgp evpn neighbor <neighbor ip address>" on degraded leaf node to reform the management cluster.		

Defect ID:	DEFECT000665536		
Technical Severity:	Medium	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.1.00	Technology:	ARP - Address Resolution Protocol
Symptom:	<p>ARP suppression does not work as expected on MCT client VEs when client port is shutdown</p> <p>Issues:</p> <ol style="list-style-type: none"> 1. ARP Resolution fails for the Host learnt through CCEP when the local CCEP is Down 2. ARP Reply packets not reaching destination over Tunnel when DAI is enabled 		
Condition:	Fixed in 18r.2.00 Release.		
Workaround:	Clear the ARP which is learnt locally on the CCEP interface which is down or disable ARP Suppression on the VLAN.		

Defect ID:	DEFECT000665624		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	MPLS
Reported In Release:	SLXOS 18r.1.00	Technology:	MPLS VPLS - Virtual Private LAN Services
Symptom:	User will observe that the BGP Daemon generate core whenever BGP router-id is changed after MCT cluster is deployed and its operational showing status as up.		
Condition:	User may see this behavior while using BGP with MCT and changing "ip router-id" after MCT cluster status is up.		

Defect ID:	DEFECT000665787		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Management
Reported In Release:	SLXOS 18x.1.00	Technology:	CLI - Command Line Interface
Symptom:	MIB browsers may show warnings when loading Extreme MIBs by specifying the MIB folder name. However, no such warnings are shown when the MIBs are loaded by specifying the concatenated MIB file names in the recommended order (standard MIBs file, followed by the enterprise MIBs file).		
Condition:	When a MIB folder is specified, the MIB files are loaded in alphabetical order. But, the enterprise MIBs file (_ent) comes before the standard MIBs file (_std). When it tries to load the enterprise MIBs first, references to standard MIBs could not be found since the standard MIBs file is not loaded yet (based on the alphabetical order).		
Workaround:	Load the MIBs in the MIB browser/NMS by specifying the MIB files in the recommended order (standard MIBs file (*_std*), followed by the enterprise MIBs file (*_ent*)).		

Defect ID:	DEFECT000665971		
Technical Severity:	Medium	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	MPLS
Reported In Release:	SLXOS 18r.1.00	Technology:	MPLS VPLS - Virtual Private LAN Services
Symptom:	ARP cannot be scaled beyond 80k when vxlan configuration is present in the system.		
Condition:	When the VxLan tunnel configuration exists in the system, arp cannot be scaled beyond 80k		

Defect ID:	DEFECT000665984		
Technical Severity:	High	Probability:	Low
Product:	Brocade SLX-OS	Technology Group:	Layer 2 Switching
Reported In Release:	SLXOS 18r.1.00	Technology:	MCT - Multi-Chassis Trunking
Symptom:	Redistribution routes are deleted in the case of same prefix learned from multiple BGP peers		
Condition:	Same prefix learned from many sources 1. local redistribution ospf, 2. ibgp evpn mct, 3. ebgp evpn vxlan.		

Defect ID:	DEFECT000666019		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.2.00	Technology:	BGP4 - IPv4 Border Gateway Protocol
Symptom:	BGP daemon might unexpectedly reload.		
Condition:	One or more BGP neighbors are configured with explicit "local-as" configuration to peer with a remote neighbor		

Defect ID:	DEFECT000666030		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Management
Reported In Release:	SLXOS 18r.1.00	Technology:	Configuration Fundamentals
Symptom:	Port-channel interfaces flap would be seen on console during switch bootup time.		
Condition:	Issue would be seen only when switch is configured with "L2-optimized 1" profile.		

Defect ID:	DEFECT000666096		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 2 Switching
Reported In Release:	SLXOS 18r.1.00	Technology:	MCT - Multi-Chassis Trunking
Symptom:	In some triggers, a particular range of HOST-IDs(internal) were not getting updated in hardware, and hence traffic loss might be seen		
Condition:	if large number of Host entries are learnt over CCEP Logical-interface, and we perform client no deploy/deploy		
Workaround:	This is fixed in current release		
Recovery:	This is fixed in current release		

Defect ID:	DEFECT000666140		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Security
Reported In Release:	SLXOS 18r.2.00	Technology:	HTTP/HTTPS
Symptom:	Sometimes, User may not be able to associate trustpoint with keypair. If this issue occurs, user can't even remove keypair configuration from the device.		
Condition:	This is a rare condition which once seen on a device will happen every time user tries to associate trustpoint with keypair.		
Recovery:	Take configuration backup to external file, do net-install of the firmware and then restore the configuration from the backed up external file.		

Defect ID:	DEFECT000666164		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Management
Reported In Release:	SLXOS 18r.2.00	Technology:	CLI - Command Line Interface
Symptom:	Breakout port-range in 'sh running interface' CLI does not work.		
Condition:	When range is mentioned as part the show running-config CLI		
Workaround:	show running-config without range works . Also individual show running on each port of brakport also works.		

Defect ID:	DEFECT000666169		
Technical Severity:	Medium	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.1.00	Technology:	BGP4 - IPv4 Border Gateway Protocol
Symptom:	When a User configures only "enable-peer-as-check" in the BGP Address-family mode. The running config does not show that. whereas, the same config has been applied and has been sent to the backend.		
Condition:	When the BGP Address-family mode does not show the config "enable-peer-as-check", however the same config is applied to the backend.		
Workaround:	If the specific address-family does contain any other config also then the same config is shown in the running config and no issue is seen. In the current implementation Issue is seen only when ASCII Config replay is done whereas, Config Replay/Postboot works fine.		
Recovery:	If the specific address-family does contain any other config also then the same config is shown in the running config and no issue is seen.		

Defect ID:	DEFECT000666197		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18x.1.00	Technology:	BGP4 - IPv4 Border Gateway Protocol
Symptom:	Traffic impact after deleting/modifying VRF RD value.		
Condition:	VRF BGP instance (all v4 and v6 routing tables) are deleted as part of RD delete, hence BGP is not operational .		
Recovery:	Remove the VRF and reconfigure it to restore traffic.		

Defect ID:	DEFECT000666214		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Management
Reported In Release:	SLXOS 18r.2.00	Technology:	CLI - Command Line Interface
Symptom:	Under certain conditions, RADIUS Authentication may not work.		
Condition:	When source-interface is configured for RADIUS Client and that interface has been shutdown, outgoing RADIUS sessions from the device will not succeed.		
Workaround:	Make sure the configured source interface is operationally up or remove the source-interface configuration for the RADIUS client on the device.		

Defect ID:	DEFECT000666219		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 17r.1.01	Technology:	BGP4 - IPv4 Border Gateway Protocol
Symptom:	Unexpected reload on switch		
Condition:	When VRF configured on route reflector		

Defect ID:	DEFECT000666258		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 2 Switching
Reported In Release:	SLXOS 18r.1.00	Technology:	MCT - Multi-Chassis Trunking
Symptom:	Unexpected reload of DCMD process and the operating system reload.		
Condition:	Run of "show cluster command"		

Defect ID:	DEFECT000666263		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 2 Switching
Reported In Release:	SLXOS 18r.1.00	Technology:	MCT - Multi-Chassis Trunking
Symptom:	MCDS daemon can reload unexpectedly when BGP L2VPN EVPN is deactivated and activated back.		
Condition:	The reload can occur when the BGP L2VPN EVPN address family configuration is deactivated and activated repeatedly.		

Defect ID:	DEFECT000666274		
Technical Severity:	High	Probability:	Low
Product:	Brocade SLX-OS	Technology Group:	Layer 2 Switching
Reported In Release:	SLXOS 18r.1.00	Technology:	MCT - Multi-Chassis Trunking
Symptom:	BGP daemon termination maybe observed.		
Condition:	L2VPN EVPN address-family is deactivated from peer.		

Defect ID:	DEFECT000666291		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 2 Switching
Reported In Release:	SLXOS 18r.2.00	Technology:	MCT - Multi-Chassis Trunking
Symptom:	The loop detection happens on MCT CCEP port, however the CCEP shutdown does not happen by ELD.		
Condition:	This is seen with MCT Loop Detection enabled.		

Defect ID:	DEFECT000666361		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	IP Multicast
Reported In Release:	SLXOS 18r.1.00	Technology:	IPv4 Multicast Routing
Symptom:	Unexpected reload of DCMD process and the operating system,		
Condition:	show cluster command execution		

Defect ID:	DEFECT000666366		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 2 Switching
Reported In Release:	SLXOS 18r.1.00	Technology:	MCT - Multi-Chassis Trunking
Symptom:	The "show cluster management detail" command may display the chassis serial number as Uninitialized.		
Condition:	Due to timing of switch bringup stages, the chassis serial number for the "show cluster management detail" command may display an "Unitialized" value.		

Defect ID:	DEFECT000666377		
Technical Severity:	High	Probability:	Low
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18s.1.01	Technology:	BGP4 - IPv4 Border Gateway Protocol
Symptom:	User might observe that the REST API for BGP EVPN IP Fabric is giving some discrepancies for operational data.		
Condition:	User is using REST to query BGP EVPN IP Fabric Operational DB		

Defect ID:	DEFECT000666386		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.2.00	Technology:	IP Addressing
Symptom:	Counters of control-plane policy-map are not be cleared.		
Condition:	Issue the CLI command to clear the control-plane policy-map counters with policy-map name in the input.		

Defect ID:	DEFECT000666409		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Management
Reported In Release:	SLXOS 18r.2.00	Technology:	CLI - Command Line Interface
Symptom:	Under certain conditions, user may not be able to do SSH from the device to external SSH servers.		
Condition:	When source-interface is configured for SSH Client and that interface has been shutdown, outgoing SSH sessions from the device will not succeed.		
Workaround:	Make sure the configured source interface is operationally up or remove the source-interface configuration for SSH clients.		

Defect ID:	DEFECT000666430		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.2.00	Technology:	BGP4 - IPv4 Border Gateway Protocol
Symptom:	BGP routes are still sent to a neighbor even when a route-map deny statement exists		
Condition:	This issue occurs only when the route-map configuration is saved and SLX platform is rebooted.		
Workaround:	route-map command needs to be unconfigured and configured.		

Defect ID:	DEFECT000666517		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Monitoring
Reported In Release:	SLXOS 18r.2.00	Technology:	OAM - Operations, Admin & Maintenance
Symptom:	Disabling interface beacon on one of the break-out port by removing it from port-channel config prints beacon is off for base port instead of breakout port.		
Condition:	Enable interface beacon and add all ports to a port channel. Now remove any break-out from port-channel config. Logs print that beacon is stopped on base port instead of break-out port, though other break-out ports are still transmitting/receiving data.		

Defect ID:	DEFECT000666590		
Technical Severity:	Medium	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Management
Reported In Release:	SLXOS 18r.2.00	Technology:	Configuration Fundamentals
Symptom:	Sometimes error message as shown below appears on the console during switch bootup - ./etc/init.d/functions: line 427: printf: write error: Resource temporarily unavailable		
Condition:	These messages are harmless and does not cause any functionality impact. These messages are getting cleaned up in next release.		

Defect ID:	DEFECT000666627		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	MPLS
Reported In Release:	SLXOS 18r.2.00	Technology:	MPLS VPLS - Virtual Private LAN Services
Symptom:	Expected receive rate of rate-limited traffic at the egress interface is not proper.		
Condition:	Configure bridge domain or VLAN based policer and apply the same globally on system.		

Defect ID:	DEFECT000666653		
Technical Severity:	Medium	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 2 Switching
Reported In Release:	SLXOS 18r.1.00	Technology:	MCT - Multi-Chassis Trunking
Symptom:	Sometimes below error messages are shown below appears on the console during switch bootup -donewaiting for server to shut down..... done server stoppedwaiting for server to shut down..... done server stopped		
Condition:	These messages are harmless and does not cause any functionality impact. These messages are cleaned up in next release.		

Defect ID:	DEFECT000666654		
Technical Severity:	Medium	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 2 Switching
Reported In Release:	SLXOS 18r.1.00	Technology:	MCT - Multi-Chassis Trunking
Symptom:	Sometimes error message as shown below appears on the console during switch bootup - "./etc/init.d/functions: line 427: printf: write error: Resource temporarily unavailable""		
Condition:	This message is harmless and does not cause any functionality impact. These messages are cleaned up in next release.		

Defect ID:	DEFECT000666698		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	MPLS
Reported In Release:	SLXOS 18r.1.00	Technology:	MPLS VPLS - Virtual Private LAN Services
Symptom:	VPLS traffic drops at Ingress PE node when the transit MPLS node reloads.		
Condition:	When MPLS tunnel update happens due to transit box reload or link flap, Ingress PE will occasionally hit this issue		
Recovery:	Reconfiguring the VPLS peer under "Bridge-domain" configuration will recover the issue.		

Defect ID:	DEFECT000666764		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Management
Reported In Release:	SLXOS 18r.2.00	Technology:	CLI - Command Line Interface
Symptom:	SNMP - Informs are received only after saving the config and reloading the device.		
Condition:	At run time, when SNMP v3host is configured with notifytype as "informs" and then engine ID is configured, it fails to send informs.		
Workaround:	When configuring SNMPv3Host ,specify engine id first if you are configuring 'notify type' as "informs".		

Defect ID:	DEFECT000666779		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 2 Switching
Reported In Release:	SLXOS 18r.1.00	Technology:	MCT - Multi-Chassis Trunking
Symptom:	BUM traffic not sent on the Vxlan tunnel when all Vxlan tunnel NH interface are shut at the same time and enabled later. This is happening due to MGID membership corrupted.		
Condition:	BUM traffic not sent on the Vxlan tunnel when all Vxlan tunnel NH interface are shut at the same time and enabled later.		

Defect ID:	DEFECT000666815		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.2.00	Technology:	IS-IS - IPv4 Intermediate System to Intermediate System
Symptom:	User may observe system reload		
Condition:	User may observe this when "show isis database detail" is executed with IS-IS debugs of LSP dump being enabled		

Defect ID:	DEFECT000666838		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.2.00	Technology:	BGP4+ - IPv6 Border Gateway Protocol
Symptom:	Unable to reset the BGP session to an IPv6 neighbor on a non-default VRF		
Condition:	The BGP session is not reset for the particular IPv6 neighbor using the clear command (i.e. "clear ipv6 bgp neighbor x.x.x.x vrf xx")		

Defect ID:	DEFECT000666846		
Technical Severity:	Medium	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Traffic Management
Reported In Release:	SLXOS 17r.2.01	Technology:	QoS - Quality of Service
Symptom:	cos-tc priority mappings will not be reset to default values.		
Condition:	Apply cos-tc qos map on port-channel and remove the same.		

Defect ID:	DEFECT000666848		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 2 Switching
Reported In Release:	SLXOS 18r.1.00	Technology:	MCT - Multi-Chassis Trunking
Symptom:	Few mac addresses are missing in Show mac address command and traffic starts flooding for those specific destination macs.		
Condition:	In MCT setup with multiple linecards few macs are not re-learnt when user executes no-deploy and deploy cli commands.		
Recovery:	Executing Clear mac dynamic command will clear the macs address from ASIC and relearns the mac address.		

Defect ID:	DEFECT000666850		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 2 Switching
Reported In Release:	SLXOS 18r.1.00	Technology:	MCT - Multi-Chassis Trunking
Symptom:	On execution of operational command "debug internal l2mgr debug mac dump vlans" - operating system reload happens. This is a transient issue and unexpected reload is not seen every time.		
Condition:	The issue can be see on execution of command "debug internal l2mgr debug mac dump vlans".		

Defect ID:	DEFECT000666852		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 2 Switching
Reported In Release:	SLXOS 18r.2.00	Technology:	MCT - Multi-Chassis Trunking
Symptom:	In a certain sequence of evpn configuration removal/addition on two MCT nodes, the MCT client may start receiving duplicate BUM traffic, one copy from each MCT node, for certain VLANs.		
Condition:	Seen after specific sequence of evpn config deletion and addition on the 2 MCT nodes		
Recovery:	"clear bgp evpn neighbor <peer ip>" after EVPN configuration update		

Defect ID:	DEFECT000666855		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Management
Reported In Release:	SLXOS 18r.2.00	Technology:	Configuration Fundamentals
Symptom:	Slow response or timeout for SNMP queries from Network Manager (NMS).		
Condition:	SNMP query response is slow for ifTable and ifXTable. Rest of the MIB tables/objects were not impacted.		

Defect ID:	DEFECT000666911		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Management
Reported In Release:	SLXOS 18r.1.00	Technology:	Software Installation & Upgrade
Symptom:	Line Processor will hit an unexpected reload or set to faulty. Console will be displayed with reload prints.		
Condition:	When user power-off/on the line card multiple times, this issue will be seen		
Workaround:	Workaround is to reload the system and ensure all the system is UP and Online.		

Defect ID:	DEFECT000666924		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 17r.2.01	Technology:	BGP4 - IPv4 Border Gateway Protocol
Symptom:	Some /24 ipv4 routes may not be present in the hardware		
Condition:	<p>This happens when FIB Compression is ON. And routes get programmed in a specific sequence such as below.</p> <ol style="list-style-type: none"> 1. /24 Add with NH1 2. /22 Add with NH2 3. /21 Add with NH2 4. /22 Add with NH1 5. /22 Del from NH1 		

Defect ID:	DEFECT000666982		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 2 Switching
Reported In Release:	SLXOS 18r.2.00	Technology:	VLAN - Virtual LAN
Symptom:	Ingress I2 traffic via port-channel will be rate-limited even if the port-channel doesn't have vlan membership which is associated with class-map		
Condition:	Create a class-map, add the filter to match the vlan which has port-channel membership. Associate the class-map with policer and apply it on port-channel and change the vlan membership of port-channel.		

Defect ID:	DEFECT000666992		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	MPLS
Reported In Release:	SLXOS 18r.1.00	Technology:	MPLS Traffic Engineering
Symptom:	User observes traffic drop over a mpls tunnel at the Transit (P) node.		
Condition:	Multiple times interface flap. This issue is seen if consecutive flap to PO made where PO is used as MPLS Uplink.		
Recovery:	clear mpls lsp <name> should resolve the issue further.		

Defect ID:	DEFECT000667178		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 2 Switching
Reported In Release:	SLXOS 18r.1.00	Technology:	MCT - Multi-Chassis Trunking
Symptom:	Operating system reload while doing 'no deploy' and 'deploy' back the MCT cluster		
Condition:	With MCT deployed and data traffic running, L2sysd process reload, because of MCT remote MAC address chaining link assert failure.		

Defect ID:	DEFECT000667210		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 2 Switching
Reported In Release:	SLXOS 18r.1.00	Technology:	VXLAN - Virtual Extensible LAN
Symptom:	In a Logical VTEP: When the management cluster principal node fails over, followed by the Logical VTEP (overlay-gateway) configuration changes, the new configuration changes will not be effective.		
Condition:	In a Logical VTEP: When the management cluster principal node fails over, followed by the Logical VTEP (overlay-gateway) configuration changes.		
Recovery:	Delete the overlay-gateway and re create the overlay-gateway.		

Defect ID:	DEFECT000667288		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.1.00	Technology:	BGP4 - IPv4 Border Gateway Protocol
Symptom:	User will observe that the BGP Daemon generate core whenever BGP router-id is changed after MCT cluster is deployed and its operational showing status as up.		
Condition:	User may see this behavior while using BGP with MCT and changing "ip router-id" after MCT cluster status is up.		

Defect ID:	DEFECT000667307		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 2 Switching
Reported In Release:	SLXOS 18r.1.00	Technology:	MCT - Multi-Chassis Trunking
Symptom:	Switch reboots.		
Condition:	Frequent BGP connection resets between MCT peers.		

Defect ID:	DEFECT000667562		
Technical Severity:	High	Probability:	Low
Product:	Brocade SLX-OS	Technology Group:	MPLS
Reported In Release:	SLXOS 18r.1.00	Technology:	MPLS VPLS - Virtual Private LAN Services
Symptom:	MAC learning does not happen on MM and uplink connected LC		
Condition:	In MAC scaling scenarios, when MAC is learnt by LC and not properly confirmed by MM, this mac is deleted only in MM but not in LC causing forwarding issue.		

Defect ID:	DEFECT000667581		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.2.00	Technology:	BGP4 - IPv4 Border Gateway Protocol
Symptom:	Under certain conditions, when communities are filtered via route-map, extended communities are not removed from AS_PATH.		
Condition:	When all the extended communities from the AS_PATH are removed by "set comm-list test_in delete" in the inbound route-map, the community list from the original AS_PATH is taken and no extended communities are removed from AS_PATH.		

Defect ID:	DEFECT000667729		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Traffic Management
Reported In Release:	SLXOS 18r.1.00	Technology:	QoS - Quality of Service
Symptom:	cos-tc priority mapping will not work for port-channel.		
Condition:	Create cos-tc qos map and apply the same on port-channel.		

Defect ID:	DEFECT000667735		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	MPLS
Reported In Release:	SLXOS 18r.1.00	Technology:	IP over MPLS
Symptom:	This issue will not happen in 18r.1.00 GA, so no need for publication.		
Condition:	This issue is not applicable to 18r.1.00 GA.		

Defect ID:	DEFECT000667765		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Management
Reported In Release:	SLXOS 18r.2.00	Technology:	NTP - Network Time Protocol
Symptom:	Some times, "no ntp peer <IP>" command may not succeed and show "application communication failure" error message.		
Condition:	When more than one NTP peer is configured, "no ntp peer <IP>" command may not succeed and may make further CLI access unavailable.		
Workaround:	Avoid removing NTP peer configuration.		
Recovery:	Reload the device.		

Defect ID:	DEFECT000667786		
Technical Severity:	Critical	Probability:	Low
Product:	Brocade SLX-OS	Technology Group:	MPLS
Reported In Release:	SLXOS 18r.2.00	Technology:	MPLS Traffic Engineering
Symptom:	After performing MPLS process restart many LSP are down.		
Condition:	The issue happens only when there are backup LSPs and the process is restarted. For backup LSPs the encaps were not being released, this could drain out the encaps if the number of backup LSPs is too large.		
Workaround:	Avoid restarting the process when there are too many backup LSPs.		

Defect ID:	DEFECT000667808		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	MPLS
Reported In Release:	SLXOS 18r.1.00	Technology:	MPLS VPLS - Virtual Private LAN Services
Symptom:	VPLS traffic drops at Ingress PE nodes after HA failover.		
Condition:	When VPLS PW is configured with load-balance option, flapping of 2 MPLS LSPs used by same PW can occasionally run into this issue.		
Workaround:	Avoiding back to back flapping of two or more tunnel will help avoiding this issue.		
Recovery:	Flapping the PW by link flap or peer reconfiguration under Bridge-domain will recover this issue.		

Defect ID:	DEFECT000667844		
Technical Severity:	Medium	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 2 Switching
Reported In Release:	SLXOS 18r.1.00	Technology:	MCT - Multi-Chassis Trunking
Symptom:	User will observe that the Cluster Gateway MAC remains installed in hardware, even after removing BGP L2VPN address family. Even though Gateway MAC is installed in hardware, functionality does not have an impact, since BGP EVPN sessions will be down and traffic will be dropped at Edge node.		
Condition:	This behavior will be seen only when EVPN address family is removed completely.		
Workaround:	EVPN neighbor should be removed first, followed by L2VPN address family removal.		

Defect ID:	DEFECT000667853		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Management
Reported In Release:	SLXOS 18r.1.00	Technology:	Configuration Fundamentals
Symptom:	Could not configure MLS and MQC configurations same time in PO interfaces		
Condition:	Fixed issue		

Defect ID:	DEFECT000667878		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	MPLS
Reported In Release:	SLXOS 18r.1.00	Technology:	MPLS VPLS - Virtual Private LAN Services
Symptom:	VPLS traffic drops at Ingress PE nodes when the remote node flaps MPLS uplinks		
Condition:	VPLS PW should configured with load-balance option and flapping more than 2 underlying MPLS LSPs used by the specific PW will occasionally run to this problem.		
Recovery:	VPLS PW should configured with load-balance option and flapping more than 2 underlying MPLS LSPs used by the specific PW will occasionally run to this problem.		

Defect ID:	DEFECT000667888		
Technical Severity:	High	Probability:	Low
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.1.00	Technology:	BGP4 - IPv4 Border Gateway Protocol
Symptom:	BGP neighbor session is not forming, If interface subnet is deleted and configured on another interface.		
Condition:	Issue can be seen on interface address delete and same address/subnet used for another interface		
Recovery:	shutdown, and then no shutdown on the interface		

Defect ID:	DEFECT000667919		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 2 Switching
Reported In Release:	SLXOS 18r.1.00	Technology:	MCT - Multi-Chassis Trunking
Symptom:	CCEP client receives the duplicate packet		
Condition:	TCAM - Rate limit and L2 optimized profile need to configured on MCT peers		

Defect ID:	DEFECT000667925		
Technical Severity:	Medium	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 2 Switching
Reported In Release:	SLXOS 18r.1.00	Technology:	MCT - Multi-Chassis Trunking
Symptom:	User will observe that the Cluster Gateway MAC is still installed, even when router-interface is removed from VLAN. Even though Gateway MAC is installed in hardware, functionality does not have an impact, since IRB VE will be down.		
Condition:	This specific behavior will be observed only when router-interface is removed from VLAN in BGP EVPN deployments.		
Workaround:	EVPN IRB interface should be removed from VRF, before removing router-interface from VLAN.		
Recovery:	Clearing BGP EVPN neighbors will help recover from this condition.		

Defect ID:	DEFECT000667947		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.1.00	Technology:	VRRPv2 - Virtual Router Redundancy Protocol Version 2
Symptom:	Termination of vrrpd daemon when IPv6 addresses are added and removed in a specific sequence of steps		
Condition:	If a link down happens when an IPv6 address is in tentative state, and the interface later got attached to another VRF and assigned same address.		
Workaround:	Avoid the sequence of steps if used in any scripts/manual config steps.		

Defect ID:	DEFECT000667958		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.2.00	Technology:	BGP4 - IPv4 Border Gateway Protocol
Symptom:	BGP daemon might encounter unexpected reload and can cause the system to reload		
Condition:	BGP peers are using peer-group for inheriting configuration. Peer-group is shut down initially and later brought up by removing the shutdown configuration		

Defect ID:	DEFECT000667979		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.2.00	Technology:	BGP4+ - IPv6 Border Gateway Protocol
Symptom:	When configuring a route-map that utilizes the set directive "set community" if the user specifies a well known community by name (internet, local-as, no-advertise or no-export) the value is ignored and NOT used when filtering routes so the import and export of routes are not as expected.		
Condition:	configuring a route-map that utilizes the set directive "set community" if the user specifies a well known community by name (internet, local-as, no-advertise or no-export)		

Defect ID:	DEFECT000667980		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 2 Switching
Reported In Release:	SLXOS 18r.1.00	Technology:	xSTP - Spanning Tree Protocols
Symptom:	Termination of NSM module and the device reboot may be observed.		
Condition:	<p>Following are the conditions that leads to termination of NSM module.</p> <ol style="list-style-type: none"> 1) PVST/RPVST is enabled on the SLX devices in topology for multiple VLANs with one device configured as Root bridge for few VLANs and other SLX device configured as Root Bridge for rest of the VLANs 2) STP Topology change is triggered by altering the path costs for ports participating in the STP for different VLANs 3) LC is powered off 		

Defect ID:	DEFECT000668008		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 2 Switching
Reported In Release:	SLXOS 18r.1.00	Technology:	MCT - Multi-Chassis Trunking
Symptom:	BD ve MAC got leaked into vlan 1 due to stale entry in arp suppression mgid table		
Condition:	When arp-suppression updates were being sent, non operational interfaces were erroneously programmed as egress members. Due to this packets to invalid encap were going out as untagged and the other end classified as native VLAN traffic and flooding it in VLAN 1.		

Defect ID:	DEFECT000668114		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Security
Reported In Release:	SLXOS 18r.1.00	Technology:	DoS (Denial of Service) protection
Symptom:	Showing global storm controls after reload without configuring it		
Condition:	Fix checked in		

Defect ID:	DEFECT000668133		
Technical Severity:	Critical	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.1.00	Technology:	BGP4 - IPv4 Border Gateway Protocol
Symptom:	Same as defect description		
Condition:	Same as above		
Workaround:	ARP can be resolved first before initiating traffic.		

Defect ID:	DEFECT000668158		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.1.00	Technology:	BGP4 - IPv4 Border Gateway Protocol
Symptom:	Cluster Gateway MAC is still installed, even when router-interface is removed from VLAN.		
Condition:	Only when router-interface is removed from VLAN in BGP EVPN deployments.		
Workaround:	EVPN IRB interface should be removed from VRF, before removing router-interface from VLAN.		
Recovery:	Clearing BGP EVPN neighbors will help recover from this condition.		

Defect ID:	DEFECT000668159		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.1.00	Technology:	BGP4 - IPv4 Border Gateway Protocol
Symptom:	User will observe that the Cluster Gateway MAC remains installed in hardware, even after removing BGP L2VPN address family. Even though Gateway MAC is installed in hardware, functionality does not have an impact, since BGP EVPN sessions will be down and traffic will be dropped at Edge node.		
Condition:	User will observe this Issue only when BGP EVPN address family is removed completely.		
Workaround:	EVPN neighbor should be removed first, followed by L2VPN address family removal will avoid this issue		

Defect ID:	DEFECT000668170		
Technical Severity:	Medium	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Traffic Management
Reported In Release:	SLXOS 18r.1.00	Technology:	QoS - Quality of Service
Symptom:	cos-tc map is not working on port channel.		
Condition:	Device reload event trigger the issue.		

Defect ID:	DEFECT000668182		
Technical Severity:	Critical	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	MPLS
Reported In Release:	SLXOS 18r.2.00	Technology:	MPLS VPLS - Virtual Private LAN Services
Symptom:	mpls process restarts		
Condition:	This problem was observed when LDP was at high scale. LDP session bounce or HA failover could be precursors to the issue.		

Defect ID:	DEFECT000668191		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	MPLS
Reported In Release:	SLXOS 18r.1.00	Technology:	MPLS VPLS - Virtual Private LAN Services
Symptom:	Line card will go for a reload when port-channel flaps on remote PE node		
Condition:	Flapping MPLS tunnels used by VPLS PWs will occasionally cause this issue.		

Defect ID:	DEFECT000668244		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 2 Switching
Reported In Release:	SLXOS 18r.1.00	Technology:	VLAN - Virtual LAN
Symptom:	When NAC appliance triggers Force re-authentication , CoA request is generated which is received by switch to trigger reauth process . Switch in response is suppose to send ACK/NACK reply which is not happening		
Condition:	When NAC appliance triggers Force re-authentication		

Defect ID:	DEFECT000668271		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Management
Reported In Release:	SLXOS 18r.2.00	Technology:	High Availability
Symptom:	Sometimes, a panic dump may be seen while rebooting the dual MM setup.		
Condition:	This is a rare condition which may be seen while device is rebooting.		
Recovery:	System will come up fine once the panic is seen and device reboots again.		

Defect ID:	DEFECT000668320		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Traffic Management
Reported In Release:	SLXOS 18r.1.00	Technology:	QoS - Quality of Service
Symptom:	"qos map cos-traffic-class <name of MAP>" does not work on the dynamic port-channel interfaces.		
Condition:	?qos map cos-traffic-class cosTC? command has known issue in this release and not taking effect for port channel.		

Defect ID:	DEFECT000668577		
Technical Severity:	Medium	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Network Automation and Orchestration
Reported In Release:	SLXOS 18r.2.00	Technology:	NETCONF - Network Configuration Protocol
Symptom:	On execution of NetConf RPC 'get-interface-detail' the details of Ve interfaces are not displayed. The details of Ve interfaces should also be part of result of execution of this RPC.		
Condition:	Issue is seen on execution of 'get-interface-detail' RPC.		
Workaround:	Issue is fixed in 18r.2.00 release.		

Defect ID:	DEFECT000668625		
Technical Severity:	Critical	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Monitoring
Reported In Release:	SLXOS 18r.2.00	Technology:	OAM - Operations, Admin & Maintenance
Symptom:	When (8021.ag)Connectivity fault Management is configured on P2MP Bridge Domain without Pseudowire (local switching), user will observe that the Link Trace Message failure.		
Condition:	User will observe this when 8021ag Maintenance end point is configured on P2MP Bridge Domain without Pseudowire.		

Defect ID:	DEFECT000668638		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.2.00	Technology:	BGP4 - IPv4 Border Gateway Protocol
Symptom:	When the BGP ipv4/v6 unicast address family is removed and added back, unexpected results are seen with nexthops of the BGP routes.		
Condition:	When the BGP ipv4/v6 unicast address family is removed and added back, unexpected results are seen with nexthops of the BGP routes. One result observed is this: when address-family under BGP is unconfigured and configured again , device starts to advertises prefixes with next-hop 0.0.0.0 instead of actual next-hop. Because of this behavior, peer BGP neighbor will not install those routes resulting in traffic drop		
Workaround:	In one observation, clearing BGP sessions on the VRF, re-advertises the prefixes with actual next-hop and traffic resumes		

Defect ID:	DEFECT000668655		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.2.00	Technology:	BGP4 - IPv4 Border Gateway Protocol
Symptom:	BGP neighbors in a peer-group that are created prior admin shutdown configuration are not shut down correctly		
Condition:	If the CLI command "neighbor <ip> remote-as <asn>" is configured before adding the BGP neighbor to peer-group and then peer-group is shutdown, shutdown config does not take affect for that neighbor.		

Defect ID:	DEFECT000668676		
Technical Severity:	Critical	Probability:	Medium
Product:	Brocade SLX-OS	Technology Group:	MPLS
Reported In Release:	SLXOS 18r.2.00	Technology:	IPv6 over MPLS VPN
Symptom:	IPV6 L3VPN traffic is not forwarded correctly		
Condition:	Issue is seen on issuing clear ip bgp neighbor command, peer switch reload etc when MPLS traffic is IPV6		
Recovery:	re-establish L3VPN session		

Defect ID:	DEFECT000668682		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Management
Reported In Release:	SLXOS 18r.2.00	Technology:	Configuration Fundamentals
Symptom:	A panic dump may be seen on dual MM setup while system is rebooting.		
Condition:	This is a rare condition which may happen during system reboot.		
Recovery:	System will come up fine once device reboots again after panic is seen.		

Defect ID:	DEFECT000668737		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.2.00	Technology:	ARP - Address Resolution Protocol
Symptom:	Supportsave times out under conditions of scale		
Condition:	Executing supportsave for defect analysis		
Workaround:	Problem has been resolved in 18r. 2.00		

Defect ID:	DEFECT000668743		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Security
Reported In Release:	SLXOS 18r.2.00	Technology:	IPsec - IP Security
Symptom:	User will observe that the IPsec authentication CLI commands are disabled for OSPFv3 virtual -link.		
Condition:	User will observe this behavior when using IPsec authentication with OSPFv3 virtual -link.		

Defect ID:	DEFECT000668794		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Management
Reported In Release:	SLXOS 18r.2.00	Technology:	CLI - Command Line Interface
Symptom:	Shut the management interface & reload, device is not reachable from other servers		
Condition:	Shutdown the management interface, save the config and reload. Execute no shutdown on management interface. Device is not reachable from other servers. Management link state and the routes are not set properly on reload with this config.		

Defect ID:	DEFECT000668807		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.2.00	Technology:	BGP4 - IPv4 Border Gateway Protocol
Symptom:	User will observe that the Imported routes are not getting filtered while using standard extended community list with route-maps.		
Condition:	Apply EVPN route filter policy using standard extended community list with route-maps.		

Defect ID:	DEFECT000668831		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.2.00	Technology:	GRE - Generic Routing Encapsulation
Symptom:	OSPF session over the GRE tunnel is not coming UP when the QOS mode is configured as uniform in the GRE tunnel.		
Condition:	This issue happens only when the GRE tunnel dscp-ttl-mode is set to uniform		

Defect ID:	DEFECT000668851		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Monitoring
Reported In Release:	SLXOS 18r.1.00	Technology:	sFlow
Symptom:	IfType, IfSpeed values are shown incorrect in sflow counter samples		
Condition:	sflow enable		

Defect ID:	DEFECT000668867		
Technical Severity:	Medium	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.1.00	Technology:	Static Routing (IPv4)
Symptom:	Under certain route programming sequence, /24 routes from Hardware may be missing		
Condition:	When hw-opt is on. And Following route add sequence occurs. 1. /24 route add with NH1 2. /22 route add with NH1 3. /23 route Add with NH1		
Workaround:	This is fixed in current release		
Recovery:	This is fixed in current release		

Defect ID:	DEFECT000668901		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.2.00	Technology:	BGP4 - IPv4 Border Gateway Protocol
Symptom:	When a prefix is advertised by BGP static network cmd comes from an IBGP peer, that route is withdrawn from all the peers in that Rib-out group instead of just that peer giving the BGP route.		
Condition:	When a prefix is advertised by BGP static network cmd comes from an IBGP peer, that route is withdrawn from all the peers in that Rib-out group instead of just that peer giving the BGP route.		
Workaround:	When the static network is removed and added back again, it is advertised fine		

Defect ID:	DEFECT000668955		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	MPLS
Reported In Release:	SLXOS 18r.1.00	Technology:	MPLS VPLS - Virtual Private LAN Services
Symptom:	CRC errors were seen on both 10G and 100G interfaces with some control protocol packet generation		
Condition:	When there is a high rate of data traffic and control protocols configured, small amount of interface errors were seen.		

Defect ID:	DEFECT000668969		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	MPLS
Reported In Release:	SLXOS 18r.2.00	Technology:	IPv6 over MPLS VPN
Symptom:	IPV6 L3VPN traffic is not forwarded correctly		
Condition:	Observed on issuing clear ip bgp neighbor command, peer switch reload etc for IPV6 L3VPN		
Recovery:	re-establish L3VPN session		

Defect ID:	DEFECT000668992		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.2.00	Technology:	BGP4 - IPv4 Border Gateway Protocol
Symptom:	BGP route updates will not be advertised to a peer which is in ESTABLISHED state		
Condition:	Peer is part of a peer-group and the peer-group is configured as "shutdown". At this point the BGP peer was in ADMIN DOWN state. Later the peer is removed from peer-group		

Defect ID:	DEFECT000669031		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.2.00	Technology:	BGP4+ - IPv6 Border Gateway Protocol
Symptom:	'next-hop-recursion' cmd does not take affect for the IPv6 address family under non-default VRF upon reload.		
Condition:	When the nexthop recursion config is done under both IPv4 and IPv6 AFs of a VRF and the device is reloaded, nexthop recursion cmd does not take affect for the IPv6 address family.		

Defect ID:	DEFECT000669052		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Management
Reported In Release:	SLXOS 18r.2.00	Technology:	CLI - Command Line Interface
Symptom:	Re-enabling NTP server via "no ntp disable serve" command may return "Application communication failure" and may cause loss of further CLI access.		
Condition:	When NTP peers are configured and user tries to disable and re-enable NTP server via the following sequence of commands, it may return error and cause loss of further CLI access. ntp disable serve no ntp disable serve		
Workaround:	Since, NTP server mode is enabled by default, do not try to disable it and re-enable it. You could either leave it in default (enabled) mode or disable it permanently. Avoid re-enabling it.		
Recovery:	The device will reload automatically as part of self-recovery. The last command(s) executed (without saving them to startup config) will not be replayed on reload.		

Defect ID:	DEFECT000669078		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Security
Reported In Release:	SLXOS 18r.1.00	Technology:	RADIUS
Symptom:	Authentication requests are being sent to the last known reachable radius-server.		
Condition:	Authentication requests are being sent to the last known reachable radius-server though the last known radius server configuration has been removed from device after configuring the new radius server.		

Defect ID:	DEFECT000669237		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 2 Switching
Reported In Release:	SLXOS 18r.2.00	Technology:	VXLAN - Virtual Extensible LAN
Symptom:	User will observe that the Cluster Gateway MAC is not installed in hardware, after reloading BGP MCT nodes.		
Condition:	User will observe this issue after reloading BGP MCT configured device.		
Recovery:	Any of the following triggers will help recover: 1) Clearing BGP EVPN neighbors 2) Removing IRB Vlan from evpn instance on MCT peer node and adding it back.		

Defect ID:	DEFECT000669255		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Management
Reported In Release:	SLXOS 18r.1.00	Technology:	CLI - Command Line Interface
Symptom:	config upload/download fails		
Condition:	with special charecters in password		

Defect ID:	DEFECT000669333		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Management
Reported In Release:	SLXOS 18r.2.00	Technology:	CLI - Command Line Interface
Symptom:	Traps/Notifications are not sent over in-band port, after restoring configuration from externally saved configuration file.		
Condition:	When configuration is restored from an externally saved configuration file, the snmp trap host configuration with user defined vrf is not restored. However, configuration restoration from DB in normal reboot scenario is not impacted.		
Workaround:	Unconfigure and reconfigure the in-band trap host configuration after restoring the configuration from an external configuration file (or) move the snmp configuration in the externally save configuration file to later than the user vrf configuration lines.		
Recovery:	Unconfigure and reconfigure the in-band trap host configuration after restoring the configuration from an external configuration file.		

Closed without code changes 18r.2.00

This section lists software defects with Critical, High, and Medium Technical Severity closed without a code change as of **12/18/2018** in 18r.2.00.

Defect ID:	DEFECT000653929	Technical Severity:	Medium
Reason Code:	Will Not Fix	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Management
Reported In Release:	SLXOS 17r.2.00	Technology:	CLI - Command Line Interface
Symptom:	BGP operational commands from NETCONF are not available.		

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

Defect ID:	DEFECT000660519	Technical Severity:	Medium
Reason Code:	Not Reproducible	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 2 Switching
Reported In Release:	SLXOS 17r.1.01	Technology:	MCT - Multi-Chassis Trunking
Symptom:	In an MCT setup, MAC address is learnt as "CR" (Cluster remote MAC) on both the MCT peers.		
Condition:	When a MAC moves between MCT peers even after the MAC ages out the MAC is shown as CR MAC (Cluster Remote MAC) on both the MCT peers		

Defect ID:	DEFECT000661571	Technical Severity:	High
Reason Code:	Not Reproducible	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 2 Switching
Reported In Release:	SLXOS 18r.1.00	Technology:	VXLAN - Virtual Extensible LAN
Symptom:	One of the node in L-VTEP cluster topology, may observe unexpected reload, when Cluster is disrupted by unconfiguring and re-configuring.		
Condition:	Issue is only seen with scale configuration on L-VTEP topology, with 4K EVPN BD VLANS		

Defect ID:	DEFECT000661828	Technical Severity:	Medium
Reason Code:	Not Reproducible	Probability:	Low
Product:	Brocade SLX-OS	Technology Group:	Monitoring
Reported In Release:	SLXOS 17r.1.01	Technology:	RAS - Reliability, Availability, and Serviceability
Symptom:	Message "VERIFY - Failed expression: probe(peerDesc),file = public.c, line = 6663, user mode Call backtrace:" logged on console.		
Condition:	It's rare scenario, VERIFY message logged along with "BUG: MAX_LOCKDEP_KEYS too low!"		

Defect ID:	DEFECT000662432	Technical Severity:	High
Reason Code:	Not Reproducible	Probability:	Medium
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.1.00	Technology:	BGP4 - IPv4 Border Gateway Protocol
Symptom:	removing and adding route-map's to BGP peers caused bgpd to terminate unexpectedly		
Condition:	Multiple BGP peers are configured with in/out route-maps		

Defect ID:	DEFECT000662574	Technical Severity:	Medium
Reason Code:	Design Limitation	Probability:	Low
Product:	Brocade SLX-OS	Technology Group:	Management
Reported In Release:	SLXOS 18r.1.00	Technology:	CLI - Command Line Interface
Symptom:	Help strings for ping, traceroute and trace-l2 are all conform to the unified format. However, when these commands have options, their help strings don't conform to the unified format.		
Condition:	When options are specified for Ping, traceroute, and trace-l2 commands. For examples: ping google.com count traceroute google.com maxttl trace-l2 vlan 1		
Workaround:	No functional impact		

Defect ID:	DEFECT000662739	Technical Severity:	Medium
Reason Code:	Will Not Fix	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Management
Reported In Release:	SLXOS 18r.1.00	Technology:	Configuration Fundamentals
Symptom:	A VE can be configured even though it does not have a vlan association		
Condition:	Configuring a VE		

Defect ID:	DEFECT000664787	Technical Severity:	High
Reason Code:	Will Not Fix	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Security
Reported In Release:	SLXOS 18r.1.00	Technology:	HTTP/HTTPS
Symptom:	Successful login information is not recorded under Audit log while login through NETCONF and HTTP		
Condition:	No login information logged to audit log while login through NETCONF and HTTP.		

Defect ID:	DEFECT000665183	Technical Severity:	Low
Reason Code:	Already Fixed in Release	Probability:	Low
Product:	Brocade SLX-OS	Technology Group:	Monitoring
Reported In Release:	SLXOS 18r.1.00	Technology:	Hardware Monitoring
Symptom:	Below bogus error messages may be displayed: "Ic faulty on slot" after issue "reload system powercycle".		
Condition:	Issuing "reload system powercycle". It is timing related. Sometimes it happens.		
Workaround:	No work-around needed as it doesn't affect functionality.		

Defect ID:	DEFECT000665541	Technical Severity:	High
Reason Code:	Will Not Fix	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	MPLS
Reported In Release:	SLXOS 17r.2.01	Technology:	MPLS VPLS - Virtual Private LAN Services
Symptom:	VPLS state is not operational with lsp as tunnel.		
Condition:	Configuration of MPLS & configure VPLS with lsp as tunnel.		

Defect ID:	DEFECT000668248	Technical Severity:	High
Reason Code:	Not Reproducible	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 2 Switching
Reported In Release:	SLXOS 18r.1.00	Technology:	MCT - Multi-Chassis Trunking
Symptom:	Traffic is dropped when static MAC is configured for for hosts and bidirectional traffic sent		
Condition:	Traffic is dropped when static MAC is configured for for hosts and bidirectional traffic sent		

Known issues 18r.2.00

This section lists software defects with Critical, High, and Medium Technical Severity closed with a code change as of **12/18/2018** in 18r.2.00.

Defect ID:	DEFECT000639016		
Technical Severity:	High	Probability:	Low
Product:	Brocade SLX-OS	Technology Group:	IP Multicast
Reported In Release:	SLXOS 17r.1.01	Technology:	PIM - Protocol-Independent Multicast
Symptom:	Mcache entries may keep fluctuating causing traffic loss for some SG entries.		
Condition:	This happens only when there are more than 20k mcache entries.		

Defect ID:	DEFECT000639445		
Technical Severity:	High	Probability:	Low
Product:	Brocade SLX-OS	Technology Group:	Management
Reported In Release:	SLXOS 17r.1.01	Technology:	Configuration Fundamentals
Symptom:	Traffic drop observed for some BD in MCT-L2vpn senario.		
Condition:	If HA is performed with explicit isolation mode configured in cluster.		
Recovery:	Deploy/Un-deploy will resolve the issue.		

Defect ID:	DEFECT000639584		
Technical Severity:	High	Probability:	Low
Product:	Brocade SLX-OS	Technology Group:	IP Multicast
Reported In Release:	SLXOS 17r.1.01	Technology:	PIM - Protocol-Independent Multicast
Symptom:	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.		
Condition:	ECMP enabled and having multiple paths between two devices. if one of link is flap this issue could be seen.		

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

Defect ID:	DEFECT000648649		
Technical Severity:	Medium	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Management
Reported In Release:	SLXOS 17r.1.01	Technology:	Configuration Fundamentals
Symptom:	The "show slots" command does not work when requested using rest.		
Condition:	This issue occurs when the user uses rest operation to display "show slots" output.		
Workaround:	The noscli has support for "show slots" to display the output. So in order to view the desired data the user can use "show slots" cli command through noscli.		

Defect ID:	DEFECT000651604		
Technical Severity:	Medium	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 17r.1.01	Technology:	VRRPv3 - Virtual Router Redundancy Protocol Version 3
Symptom:	Not be able to configure global IPv6 virtual-ip.		
Condition:	If the previously configured link-local virtual-ip matches with the link-local IP Address of the interface.		
Workaround:	Use an alternate link-local virtual-ip than what is configured in the interface.		

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

Defect ID:	DEFECT000652190		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Management
Reported In Release:	SLXOS 17r.1.01	Technology:	Configuration Fundamentals
Symptom:	IN MCT-VPLS scenario, User may observe VPLS traffic drop if client as Port-channel is flapped and traffic may not recover for longer time.		
Condition:	Port-Channel/Client flaps.		
Workaround:	Client no-deploy and deploy or Removing BD and Re-adding should resolve the issue.		
Recovery:	Avoid negative events like unnecessary Port-channel flaps. Deploy the cluster after all relevant and required configuration is done.		

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

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

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

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

Defect ID:	DEFECT000657101		
Technical Severity:	Medium	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	IP Multicast
Reported In Release:	SLXOS 17r.2.00	Technology:	IGMP - Internet Group Management Protocol
Symptom:	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.		
Condition:	This happens if mrouter is configured with a non existing logical interface.		

Defect ID:	DEFECT000657261		
Technical Severity:	Medium	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	IP Multicast
Reported In Release:	SLXOS 17r.2.00	Technology:	IGMP - Internet Group Management Protocol
Symptom:	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.		
Condition:	High scale of LIFs configured on a Bridge Domain		

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

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

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

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

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

Defect ID:	DEFECT000659154		
Technical Severity:	High	Probability:	Medium
Product:	Brocade SLX-OS	Technology Group:	Management
Reported In Release:	SLXOS 17r.1.01	Technology:	CLI - Command Line Interface
Symptom:	"Message Generic Error" is returned for various SLX CLIs.		
Condition:	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.		

Defect ID:	DEFECT000659269		
Technical Severity:	High	Probability:	Medium
Product:	Brocade SLX-OS	Technology Group:	Traffic Management
Reported In Release:	SLXOS 17r.1.01	Technology:	Rate Limiting and Shaping
Symptom:	100G interfaces on SLX 9850 may not achieve line rate egress throughput.		
Condition:	On a L2VPN network 100G interfaces on SLX 9850 may not achieve line rate of egress throughput.		
Workaround:	Augment performance with additional interfaces as required.		

Defect ID:	DEFECT000659846		
Technical Severity:	Medium	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 17r.2.00	Technology:	BGP4 - IPv4 Border Gateway Protocol
Symptom:	The order of peer-ip address under ' address-family ipv4 unicast ' is different from order under 'address-family ipv4 unicast ' , when executing " show run router bgp". This doesn't have any functional impact. This is just a cosmetic issue		
Condition:	Multiple peer-ip address are configured for bgp.		

Defect ID:	DEFECT000659847		
Technical Severity:	High	Probability:	Medium
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 17r.2.00	Technology:	BGP4 - IPv4 Border Gateway Protocol
Symptom:	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		
Condition:	Router configured with peer which learns full internet RIB IN (both IPv4 and IPv6)		

Defect ID:	DEFECT000660148		
Technical Severity:	Medium	Probability:	Low
Product:	Brocade SLX-OS	Technology Group:	Monitoring
Reported In Release:	SLXOS 17r.2.00	Technology:	Syslog
Symptom:	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.		
Condition:	when ever new hostname is configured and the device is rebooted.		

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

Defect ID:	DEFECT000660446		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	IP Multicast
Reported In Release:	SLXOS 17r.2.01	Technology:	IPv4 Multicast Routing
Symptom:	The symptoms involve reboot of the switch due to Layer 2 Multicast process termination.		
Condition:	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.		

Defect ID:	DEFECT000661026		
Technical Severity:	Medium	Probability:	Medium
Product:	Brocade SLX-OS	Technology Group:	Layer 2 Switching
Reported In Release:	SLXOS 17r.1.01	Technology:	LAG - Link Aggregation Group
Symptom:	SLX brings up the different speed interfaces among the port channel.		
Condition:	<ol style="list-style-type: none"> 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. 		

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

Defect ID:	DEFECT000661488		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 2 Switching
Reported In Release:	SLXOS 18r.1.00	Technology:	VXLAN - Virtual Extensible LAN
Symptom:	BFD may flap after executing "clear loop-detection" multiple times.		
Condition:	Executing "clear loop-detection" multiple times. It is unlikely to happen.		
Workaround:	It is not recommended to perform "clear loop-detection" multiple times that may result in BFD flap.		

Defect ID:	DEFECT000661675		
Technical Severity:	Medium	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	MPLS
Reported In Release:	SLXOS 17r.1.01	Technology:	MPLS VPLS - Virtual Private LAN Services
Symptom:	When one MCT node reloads, traffic from hosts connected to MCT LAG clients to VPLS endpoints will be impacted once the node comes back online, until MCT session and VC peers come up		
Condition:	Traffic Loss between hosts connected to MCT LAG clients and VC peers		

Defect ID:	DEFECT000661684		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 2 Switching
Reported In Release:	SLXOS 18r.1.00	Technology:	VXLAN - Virtual Extensible LAN
Symptom:	LVTEP Loop may not be detected if Loop Detection is enabled only on one MCT node but not on the MCT peer node.		
Condition:	the issue is only happened with MCT LVTEP and Loop Detection only enabled on one of the MCT nodes. Although LVTEP loop detection is not officially supported in the current release.		

Defect ID:	DEFECT000661685		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Management
Reported In Release:	SLXOS 18r.1.00	Technology:	Configuration Fundamentals
Symptom:	VPLS traffic loss observed		
Condition:	Reloading one of the MCT nodes will result to this traffic loss.		
Workaround:	If it is planned reload, shutting down the CCEP interface in the MCT node will avoid this traffic loss		
Recovery:	Disable CCEP interface after the MCT node up and can enable it back after all VPLS PWs are up.		

Defect ID:	DEFECT000661732		
Technical Severity:	Medium	Probability:	Medium
Product:	Brocade SLX-OS	Technology Group:	Layer 2 Switching
Reported In Release:	SLXOS 17r.1.01	Technology:	VLAN - Virtual LAN
Symptom:	Unexpected reload.		
Condition:	When MAC updates crossed the scale limit(~750k).		
Workaround:	MAC updates to be on allowable salable limit.		

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

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

Defect ID:	DEFECT000662189		
Technical Severity:	Low	Probability:	Medium
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.1.00	Technology:	ARP - Address Resolution Protocol
Symptom:	"WHEM: alloc failed" messages might be seen. No functionality impact.		
Condition:	The error message comes when the trace buffer memory runs below a threshold, and the requested memory size is larger.		

Defect ID:	DEFECT000662358		
Technical Severity:	High	Probability:	Medium
Product:	Brocade SLX-OS	Technology Group:	Management
Reported In Release:	SLXOS 18r.1.00	Technology:	CLI - Command Line Interface
Symptom:	show-ntp netconf/REST RPC call execution does not provide corresponding NTP status output.		
Condition:	Issue exists for all "show-ntp" RPC function calls via netconf/REST.		
Workaround:	Use "show ntp status" CLI command instead for getting the respective status output.		

Defect ID:	DEFECT000662373		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 17r.2.00	Technology:	ARP - Address Resolution Protocol
Symptom:	Incorrect output for OID ipNetToPhysicalPhysAddress		
Condition:	When we execute snmpwalk -v2c -c <community-name> <ip-address> ipNetToPhysicalPhysAddress		

Defect ID:	DEFECT000662384		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 2 Switching
Reported In Release:	SLXOS 18r.1.00	Technology:	VLAN - Virtual LAN
Symptom:	VLAN tagged packets coming in on access port are not dropped		
Condition:	Endpoint tracking is enabled on the layer 2 interface with access-port configuration enabled.		

Defect ID:	DEFECT000662684		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Management
Reported In Release:	SLXOS 17s.1.02	Technology:	CLI - Command Line Interface
Symptom:	"show cluster management" command displays node which is not configured as MCT peer.		
Condition:	"show cluster management" displays a node which is not configured as MCT peer.		

Defect ID:	DEFECT000662750		
Technical Severity:	High	Probability:	Medium
Product:	Brocade SLX-OS	Technology Group:	Monitoring
Reported In Release:	SLXOS 18r.1.00	Technology:	Syslog
Symptom:	switch does not send IPV6 syslog messages to external syslog server.		
Condition:	when syslog server is configured with both IPV6 IP and RFC-5424 format.		

Defect ID:	DEFECT000663304		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Management
Reported In Release:	SLXOS 18x.1.00	Technology:	CLI - Command Line Interface
Symptom:	RPC call "show-ntp" is providing empty output instead of showing active NTP server.		
Condition:	During execution of show-ntp RPC system call in restconf session.		
Workaround:	Please prefer CLI execution for NTP status.		

Defect ID:	DEFECT000663349		
Technical Severity:	High	Probability:	Medium
Product:	Brocade SLX-OS	Technology Group:	Management
Reported In Release:	SLXOS 18r.1.00	Technology:	Configuration Fundamentals
Symptom:	User may hit traffic loss in MCT VLL scenarios.		
Condition:	If below sequence of triggered is tried in scale scenarios. Client-interface-shut->undeploy-> Deploy-> no client-interface-shut.		
Workaround:	Deploy cluster after removing client interface shut.		
Recovery:	Any further flap will recover from issue. Like: BD delete/add, Cluster deploy/no deploy.		

Defect ID:	DEFECT000663351		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.1.00	Technology:	Static Routing (IPv4)
Symptom:	Packets get fragmented even their sizes are smaller than the L3 MTU configured.		
Condition:	There are only three supported L3 MTU values: 1300, 1500, 9194. If the configured L3 MTU doesn't match one of the three values, the actual MTU programmed in HW will take one of the three values that is smaller than the configured one. For example, if configuring L3 MTU as 9100, the actual L3 MTU programmed in HW will be 1500. Any packets with sizes more than 1500 will be fragmented.		
Workaround:	Configure the recommended MTU value		

Defect ID:	DEFECT000663386		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.1.00	Technology:	Static Routing (IPv4)
Symptom:	Stale EVPN L3 routes are present in BGP RIB-IN Table, when overlay-gateway instance is removed.		
Condition:	Deleting overlay-gateway EVPN Instance configuration.		
Workaround:	Trigger the "clear bgp evpn neighbor all" after removing the overlay-gateway configuration.		

Defect ID:	DEFECT000663503		
Technical Severity:	Medium	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Management
Reported In Release:	SLXOS 17r.2.01	Technology:	CLI - Command Line Interface
Symptom:	VLAN add config under evpn instance fails during the config copy from server to switch.		
Condition:	When the vlan add has max chars exceeding 253 and and config copy done from server to switch.		
Workaround:	Re-add the VLAN add config under evpn instance.		

Defect ID:	DEFECT000663602		
Technical Severity:	Medium	Probability:	Low
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.2.00	Technology:	OSPF - IPv4 Open Shortest Path First
Symptom:	Debugging information for some OSPF events not present in current RASLOGs.		
Condition:	Add additional debug information in RASLOG and traces for easier debugging.		

Defect ID:	DEFECT000663667		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.1.00	Technology:	BGP4 - IPv4 Border Gateway Protocol
Symptom:	When a large route-map consisting of several instances of match/set statements is added to BGP peer in and out(same route-map configured both for route-map in and route-map out) BGP daemon would terminate and cause the router to reload.		
Condition:	A large route-map consisting of several instances of match/set statement should be configured and added to BGP peer in and peer out		

Defect ID:	DEFECT000663692		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Monitoring
Reported In Release:	SLXOS 17r.2.00	Technology:	OAM - Operations, Admin & Maintenance
Symptom:	After the devices boots up, the user will see the dcmd.sh, ccmd.sh, and netstat defunct processes.		
Condition:	The defunct processes will show up when the user runs the "ps aux" command.		
Workaround:	None. They are not harmful and so the user can just ignore them.		

Defect ID:	DEFECT000663934		
Technical Severity:	High	Probability:	Medium
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.1.00	Technology:	Static Routing (IPv4)
Symptom:	User may experience the traffic loss for more than one minute on LACP LAG interfaces connected to another Switch.		
Condition:	When user shutdown the LACP Port-Channel interface connected another switch, the traffic loss would be seen.		
Workaround:	User can shutdown the Port-Channel members manually to get ride of traffic loss for more than minute.		

Defect ID:	DEFECT000663937		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Management
Reported In Release:	SLXOS 18r.1.00	Technology:	Configuration Fundamentals
Symptom:	User may hit traffic loss in MCT VLL scenarios.		
Condition:	HA failover will cause this issue in VLL scaled scenarios		
Recovery:	Any further flap will recover from issue. Like: BD delete/add, Cluster deploy/no deploy.		

Defect ID:	DEFECT000664059		
Technical Severity:	Medium	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	MPLS
Reported In Release:	SLXOS 17r.2.01	Technology:	MPLS VPLS - Virtual Private LAN Services
Symptom:	LSP doesn't failover properly.		
Condition:	dynamic bypass ISP configuration has to be present		
Workaround:	Changing the MPLS interface to tagged VE		

Defect ID:	DEFECT000664210		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	MPLS
Reported In Release:	SLXOS 17r.1.01	Technology:	LDP - Label Distribution Protocol
Symptom:	LDP sessions will flap		
Condition:	With a configuration of Bridge Domain having multiple VC peers, flaps can be seen when any of the peer continuously receives unknown unicast traffic		
Workaround:	TM tuning can be done to limit unknown unicast traffic to workaround this issue.		

Defect ID:	DEFECT000664211		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Monitoring
Reported In Release:	SLXOS 18r.1.00	Technology:	Syslog
Symptom:	"show slot" indicates MM enabled but console log indicates MM is rebooting		
Condition:	The MM status is being updated at an earlier stage, during MM bootup.		
Workaround:	The MM state will eventually corrected once the MM fully boots up.		

Defect ID:	DEFECT000664497		
Technical Severity:	Low	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Management
Reported In Release:	SLXOS 18r.1.00	Technology:	Configuration Fundamentals
Symptom:	Minor cosmetic issue in help. When user enters '?' or '<TAB>' after command 'ip access-list extended <acl-name>', help does not show '<cr>'. The command works as expected if user hits '<ENTER>'. Issue is only with help string.		
Condition:	When using IP ACL.		

Defect ID:	DEFECT000664530		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.2.00	Technology:	BGP4 - IPv4 Border Gateway Protocol
Symptom:	BGP sessions may flap if 'clear ip route all' is executed in a scaled configuration scenario having multiple million routes, etc.		
Condition:	Scaled configuration with million plus routes and execution of 'clear ip route all' command.		

Defect ID:	DEFECT000664551		
Technical Severity:	High	Probability:	Medium
Product:	Brocade SLX-OS	Technology Group:	Layer 2 Switching
Reported In Release:	SLXOS 18r.1.00	Technology:	MCT - Multi-Chassis Trunking
Symptom:	Deleting and re-adding ESI value under MCT client in cluster configuration. User will see BCM error message. Hard to reproduce. Reload the system to recover.		
Condition:	This problem has been observed only once and several attempts to reproduce it failed.		

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

Defect ID:	DEFECT000664624		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Security
Reported In Release:	SLXOS 18r.1.00	Technology:	DoS (Denial of Service) protection
Symptom:	When Bridge Domain based Rate Limiting and ACL are applied on the same port, both Bridge Domain RL counter and ACL counter increment. Only ACL counter should increment.		
Condition:	When Bridge Domain RL and ACL are applied to the same port.		

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

Defect ID:	DEFECT000664811		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 2 Switching
Reported In Release:	SLXOS 18r.1.00	Technology:	MCT - Multi-Chassis Trunking
Symptom:	FEC resource exhaust error on console		
Condition:	when total number of CCEP LIFS presents in system exceeds 28k		

Defect ID:	DEFECT000664825		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	MPLS
Reported In Release:	SLXOS 18r.1.00	Technology:	MPLS VPLS - Virtual Private LAN Services
Symptom:	After HA failover, BD MAC exists under "show mac-address-table" CLI though the PW is not operational		
Condition:	This will be observed after HA failover		
Recovery:	No impact to the traffic and the MAC will eventually get aged out.		

Defect ID:	DEFECT000664993		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 2 Switching
Reported In Release:	SLXOS 18r.1.00	Technology:	MCT - Multi-Chassis Trunking
Symptom:	After clear BGP session, some of NHIDs are in down state which can cause MAC learning failure on those NHIDs. This can recovered by flapping the specific tunnel which has the issue		
Condition:	After clear BGP session, some of NHID are in down state which can cause MAC learning failure on those NHIDs. This can recovered by flapping the specific tunnel which has the issue		

Defect ID:	DEFECT000664996		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	MPLS
Reported In Release:	SLXOS 17r.2.01	Technology:	MPLS VLL - Virtual Leased Line
Symptom:	LSP /RSVP session will not come up when 2 Juniper devices connected across SLX PE routers via L2 interface.		
Condition:	LSP /RSVP session will not come up when 2 Juniper devices connected across SLX PE routers via L2 interface. This issue has been fixed in latest 18r.2.00 release, will port fix to pavo patch.		

Defect ID:	DEFECT000665135		
Technical Severity:	Critical	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 17r.1.01	Technology:	Static Routing (IPv4)
Symptom:	Unexpected reload		
Condition:	When VRF configured on route reflectors		

Defect ID:	DEFECT000665221		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 17r.2.01	Technology:	OSPFv3 - IPv6 Open Shortest Path First
Symptom:	Few external -LSAs that are generated for connected interfaces redistributed into OSPF may be found missing after switch reload, causing the corresponding routes missing (or deletion) in the peer switches.		
Condition:	When connected routes are redistributed into OSPF, the corresponding external routes may be found missing after the reload.		
Workaround:	clear ospf process.		
Recovery:	clear ospf process.		

Defect ID:	DEFECT000665239		
Technical Severity:	High	Probability:	Low
Product:	Brocade SLX-OS	Technology Group:	MPLS
Reported In Release:	SLXOS 18r.1.00	Technology:	MPLS VPLS - Virtual Private LAN Services
Symptom:	Some of the unrelated VE MAC addresses may not be present when one PO is flapped. Does not have any functional impact		
Condition:	This does not have any functional impact as the MAC will be relearnt and traffic will be normal.		

Defect ID:	DEFECT000665422		
Technical Severity:	High	Probability:	Medium
Product:	Brocade SLX-OS	Technology Group:	MPLS
Reported In Release:	SLXOS 18r.1.00	Technology:	MPLS VPLS - Virtual Private LAN Services
Symptom:	VPLS or VLL traffic loss will be seen		
Condition:	HA failover will intermittently lead to this issue due to MPLS tunnel not programmed in the hardware		
Recovery:	Clear arp will resolve the issue		

Defect ID:	DEFECT000665423		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 2 Switching
Reported In Release:	SLXOS 17r.1.01	Technology:	VLAN - Virtual LAN
Symptom:	Traffic will continue to flood to other peers or endpoints in the bridge domain		
Condition:	When traffic switches between ports continuously causing mac movement in the system, mac addresses goes out of sync between management module and line card.		
Recovery:	Executing clear mac address command for the incorrect mac restores the mac programming with correct port.		

Defect ID:	DEFECT000665538		
Technical Severity:	Medium	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 17r.2.01	Technology:	IP Addressing
Symptom:	Traffic with ?UDP Port 8888? comes to CPU unexpectedly		
Condition:	Traffic with ?UDP Port 8888? comes to CPU unexpectedly		

Defect ID:	DEFECT000665540		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	MPLS
Reported In Release:	SLXOS 17r.2.01	Technology:	LDP - Label Distribution Protocol
Symptom:	MPLS LDP sessions not working as expected.		
Condition:	When loopback interface is flapped.		

Defect ID:	DEFECT000665544		
Technical Severity:	High	Probability:	Medium
Product:	Brocade SLX-OS	Technology Group:	MPLS
Reported In Release:	SLXOS 17r.1.01	Technology:	MPLS VPLS - Virtual Private LAN Services
Symptom:	L2VPN connections may flap.		
Condition:	When a new path is available to an LDP tunnel, the L2 connections using the tunnel may flap when programming shifts from one path to another.		

Defect ID:	DEFECT000665617		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	MPLS
Reported In Release:	SLXOS 18r.1.00	Technology:	MPLS VPLS - Virtual Private LAN Services
Symptom:	Remote state of client pw stays down.		
Condition:	Router reload		

Defect ID:	DEFECT000665682		
Technical Severity:	High	Probability:	Low
Product:	Brocade SLX-OS	Technology Group:	Layer 2 Switching
Reported In Release:	SLXOS 18r.1.00	Technology:	MCT - Multi-Chassis Trunking
Symptom:	Node goes for rolling reboot.		
Condition:	Configure incorrect 'source-ip' for MCT peer.		

Defect ID:	DEFECT000665824		
Technical Severity:	High	Probability:	Medium
Product:	Brocade SLX-OS	Technology Group:	Management
Reported In Release:	SLXOS 18r.2.00	Technology:	CLI - Command Line Interface
Symptom:	name description under vlan is not configurable from REST		
Condition:	name description under vlan is not configurable from REST		
Workaround:	it works from RESTCONF .		

Defect ID:	DEFECT000665858		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Management
Reported In Release:	SLXOS 18r.2.00	Technology:	High Availability
Symptom:	When OSPF is configured with multiple neighbor sessions with OSPF enabled on 200 interfaces, and HA-fail over is performed on the switch, after the switch comes up with new active MM, few of the OSPF neighbor sessions may not be formed,		
Condition:	OSPF backbone area should be configured in ip-address format (0.0.0.0) and few OSPF neighbors should be formed in the same area with multiple peers along with maximum number (200) of OSPF interfaces configured on the switch.		
Recovery:	Unconfigure and configure area 0.0.0.0 and corresponding interfaces.		

Defect ID:	DEFECT000665869		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18x.1.00	Technology:	MBGP - Multiprotocol Border Gateway Protocol
Symptom:	Traffic for VRF will be dropped.		
Condition:	When RD is removed and re-added for a VRF.		
Workaround:	Remove and add the address-family ipv[4/6] unicast vrf <vrf-name>		

Defect ID:	DEFECT000666043		
Technical Severity:	Medium	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Management
Reported In Release:	SLXOS 18r.2.00	Technology:	Configuration Fundamentals
Symptom:	During bootup, algorithm self-tests are executed. At that time it displays error message "RSA 2048 with 'SHA256' testing...FAILED!" is reported to console.		
Condition:	The underlying RSA algorithm is working. Need to make changes to the self-test that's displaying this message.		
Workaround:	The message can be ignored.		
Recovery:	Not applicable since there's no functional loss.		

Defect ID:	DEFECT000666065		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Management
Reported In Release:	SLXOS 17r.2.01	Technology:	SNMP - Simple Network Management Protocol
Symptom:	Router unexpected reloaded on ospfd		
Condition:	Do snmpwalk for snmp-community.		

Defect ID:	DEFECT000666089		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	MPLS
Reported In Release:	SLXOS 17r.2.01	Technology:	LDP - Label Distribution Protocol
Symptom:	MPLS process restarted.		
Condition:	Using root access to the debug shell, execute a command which is authorized only for the extreme development team, to cause this problem.		

Defect ID:	DEFECT000666099		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Management
Reported In Release:	SLXOS 18r.2.00	Technology:	Configuration Fundamentals
Symptom:	Data traffic loss when running L3VPN		
Condition:	Running L3VPN		

Defect ID:	DEFECT000666149		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 2 Switching
Reported In Release:	SLXOS 17r.2.01	Technology:	LAG - Link Aggregation Group
Symptom:	Port-channel won't come online.		
Condition:	One node configured as active mode and the partner is configured with passive mode		
Workaround:	Both actor and partner should be in active mode to make the po online		

Defect ID:	DEFECT000666150		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 2 Switching
Reported In Release:	SLXOS 18x.1.00	Technology:	VXLAN - Virtual Extensible LAN
Symptom:	No Vxlan tunnel is created		
Condition:	When a vlan is extended with manual RT, all EVPN routes from remote peers are filtered, hence no Vxlan tunnel is created.		
Workaround:	Use auto RT option.		

Defect ID:	DEFECT000666165		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 2 Switching
Reported In Release:	SLXOS 17r.1.01	Technology:	MCT - Multi-Chassis Trunking
Symptom:	Mac flapping is observed between interfaces.		
Condition:	Run - "show mac-address table"		

Defect ID:	DEFECT000666177		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18x.1.00	Technology:	BGP4 - IPv4 Border Gateway Protocol
Symptom:	Most of VRF import/export map for EVPN route filtering is not working		
Condition:	Applying VRF import/export map for EVPN route.		

Defect ID:	DEFECT000666251		
Technical Severity:	High	Probability:	Low
Product:	Brocade SLX-OS	Technology Group:	Traffic Management
Reported In Release:	SLXOS 18x.1.00	Technology:	QoS - Quality of Service
Symptom:	Qos wred cli doesnot work at physical port range cli		
Condition:	This is seen when the port range is used for configuration		
Workaround:	Configure qos on individual ports		

Defect ID:	DEFECT000666264		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 17r.1.01	Technology:	IP Addressing
Symptom:	Low memory below 100MB		
Condition:	When croncore script is running.		

Defect ID:	DEFECT000666315		
Technical Severity:	Medium	Probability:	Medium
Product:	Brocade SLX-OS	Technology Group:	Monitoring
Reported In Release:	SLXOS 17r.1.01	Technology:	Syslog
Symptom:	Syslog servers stop receiving syslog messages.		
Condition:	After multiple system fail-over.		
Workaround:	Add new syslog-server or unconfigure and configure the existing syslog-server.		

Defect ID:	DEFECT000666399		
Technical Severity:	Medium	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	MPLS
Reported In Release:	SLXOS 18r.1.00	Technology:	MPLS VPLS - Virtual Private LAN Services
Symptom:	Bridge-domain TX statistics will increment for all VPLS peers though the traffic is not flowing to the peers		
Condition:	This statistics increment will be observed when any of the VPLS PW receives unknown unicast traffic from remote peer.		
Workaround:	There is no impact on traffic forwarding or functionality. Though the statistics are incremented, the traffic from one vpls peer will not be forwarded to other vpls peers.		

Defect ID:	DEFECT000666400		
Technical Severity:	High	Probability:	Medium
Product:	Brocade SLX-OS	Technology Group:	Monitoring
Reported In Release:	SLXOS 17r.2.02	Technology:	OAM - Operations, Admin & Maintenance
Symptom:	With spanning tree or similar loop detection protocols like ELD or ERP running on the system and multiple port channels configured and Down MEPs configured on them for same service, MEPs are not operational after reload.		
Condition:	<ol style="list-style-type: none"> 1. Spanning Tree or ELD or ERP protocol should be running on the system. 2. More than one port channel configured with mode as static and with atleast one member port within each port channel. The port channel and member port(s) should be in administratively UP state. 3. Configure CFM with Domain and MA and configure Down MEPs on the above created port channels under the same MA. 4. Save the configuration and perform a reload of the system. With these conditions, the MEPs would not be operational after the reload.		
Workaround:	Configuring port channel with LACP as the mode or having more than two member ports per port-channel would avoid this defect.		
Recovery:	The recovery here is to either shut/unshut of the portchannel interface or to remove and add back the CFM MEPs after reload. This would ensure that the MEPs would be operational.		

Defect ID:	DEFECT000666442		
Technical Severity:	Medium	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Management
Reported In Release:	SLXOS 18r.2.00	Technology:	CLI - Command Line Interface
Symptom:	When there is a tunnel config inconsistency across the nodes of management cluster (Logical VTEP), "show tunnel status" o/p indicates the tunnel config inconsistency across the nodes of management cluster. But the exact tunnel config inconsistency may not be always identified with the node-id filter i.e. "show tunnel status node-id <node-id>". User would need to look into the o/p of "show tunnel brief node-id <id>" for tunnel config inconsistency.		
Condition:	When there is a tunnel config inconsistency across the nodes of management cluster (Logical VTEP) and user executes "show tunnel status".		

Defect ID:	DEFECT000666480		
Technical Severity:	High	Probability:	Medium
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.2.00	Technology:	OSPF - IPv4 Open Shortest Path First
Symptom:	OSPFd unexpectedly reloads on SLX 9640 after reboot and after receiving 15k routes		
Condition:	SLX 9640 having 100 neighbors from 100 areas configured is rebooted, after receiving 10K intra and 5K external routes from its OSPF neighbor SLX 9540 leading to OSPF daemon unexpected reload.		

Defect ID:	DEFECT000666503		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.1.00	Technology:	BGP4+ - IPv6 Border Gateway Protocol
Symptom:	Unexpected reload		
Condition:	When no router bgp command is executed.		

Defect ID:	DEFECT000666647		
Technical Severity:	High	Probability:	Low
Product:	Brocade SLX-OS	Technology Group:	Layer 2 Switching
Reported In Release:	SLXOS 18r.2.00	Technology:	VLAN - Virtual LAN
Symptom:	Scaled ACL configurations - upto 8K rules or more in total - could take hours to complete replay using 'copy <file> running-config' CLI.		
Condition:	Scaled ACL configuration		

Defect ID:	DEFECT00066685		
Technical Severity:	Medium	Probability:	Medium
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.1.00	Technology:	IP Addressing
Symptom:	If the customer creates more than 1024 prefix list rules within a list the "error" of exceeding the maximum number supported is generated. The system now supports a larger number of rules.		
Condition:	Exceeding the number of rules per prefix list results in the error being generated.		

Defect ID:	DEFECT000666845		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Management
Reported In Release:	SLXOS 18r.2.00	Technology:	Software Installation & Upgrade
Symptom:	copying a file from tftp server is allowed in all conditions		
Condition:	During system initialization also copying file from tftp server is working which should be blocked.		
Workaround:	Do not copy file from tftp server when system initialization is happening.		

Defect ID:	DEFECT000666937		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 17r.2.00	Technology:	IPv6 Addressing
Symptom:	Unable to upload support save.		
Condition:	Support Save upload fails at the module:STACK_VRF_USER.		

Defect ID:	DEFECT000667010		
Technical Severity:	High	Probability:	Low
Product:	Brocade SLX-OS	Technology Group:	Layer 2 Switching
Reported In Release:	SLXOS 17r.2.01	Technology:	VLAN - Virtual LAN
Symptom:	Access port L2 switching with priority-Tagged packets (VLAN ID 0) was not working properly.		
Condition:	Issue happened when sending priority tagged packet towards the access port.		
Workaround:	Do not send priority tagged packets to an access port.		

Defect ID:	DEFECT000667163		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Management
Reported In Release:	SLXOS 18r.2.00	Technology:	Configuration Fundamentals
Symptom:	Breakout ports may not have inherited Global MTU configuration.		
Condition:	<ol style="list-style-type: none"> 1. When Global MTU is configured, 2. After that breakout port is created, 3. After the reboot, breakout port may not be configured with Global MTU. 		
Recovery:	<p>This issue can be seen, when a port/breakout port is created, and a reboot is done for the very first time.</p> <ol style="list-style-type: none"> 1. Subsequent reboot will not have this issue. 2. Simply configuring a random MTU on the breakout port, and removing it will solve the issue. 		

Defect ID:	DEFECT000667173		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 2 Switching
Reported In Release:	SLXOS 18r.2.00	Technology:	LAG - Link Aggregation Group
Symptom:	SLX brings up the different speed interfaces among the port channel.		
Condition:	<ol style="list-style-type: none"> 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. 		

Defect ID:	DEFECT000667319		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.2.00	Technology:	BGP4 - IPv4 Border Gateway Protocol
Symptom:	BGP peering sessions might flap with reason "Hold Timer Expired" notification from remote		
Condition:	2000 BGP peers are configured with the same route-map for outbound filtering and the system is stable. At this point the route-map is modified		

Defect ID:	DEFECT000667347		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.2.00	Technology:	BGP4 - IPv4 Border Gateway Protocol
Symptom:	Learning route updates over BGP peering sessions might be slow with default MTU value		
Condition:	BGP peering sessions are established over an IP interface with default MTU value of 1500		
Workaround:	Configure interface MTU and IP MTU values greater than 4096 bytes (BGP MAXIMUM MESSAGE SIZE)		

Defect ID:	DEFECT000667416		
Technical Severity:	High	Probability:	Medium
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.2.00	Technology:	BGP4 - IPv4 Border Gateway Protocol
Symptom:	When a user tries to delete the large-community list all at the time. Then only the first entry of the list is deleted.		
Condition:	A user has tried to delete all the list items of a large-community list but only few entry of the list is deleted.		
Workaround:	Delete the list entry consecutively . In that way all the list items can be deleted.		
Recovery:	Delete the list entry consecutively to delete the list.		

Defect ID:	DEFECT000667477		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.2.00	Technology:	OSPFv3 - IPv6 Open Shortest Path First
Symptom:	User might observe unexpected Router reload because of ospf6 daemon failure after executing "show ipv6 ospf neighbor" command and immediately aborted by user before getting the output		
Condition:	Issue may be seen under scaled ospfv3 configuration with multiple neighbors and show command display is aborted while in display is in progress.		
Workaround:	Do not abort the show command while display is in progress.		

Defect ID:	DEFECT000667493		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	IP Multicast
Reported In Release:	SLXOS 18r.2.00	Technology:	IPv4 Multicast Routing
Symptom:	Default Multicast entry corresponding to default PIM-SSM group range will not be shown in multicast agent module.		
Condition:	This is seen when PIM-SSM is enabled for default group range.		
Workaround:	No workaround is needed since there will not be any impact on the traffic forwarding.		

Defect ID:	DEFECT000667582		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 2 Switching
Reported In Release:	SLXOS 18x.1.00	Technology:	VLAN - Virtual LAN
Symptom:	Not all MAC or Hosts move is detected in EVPN IP Fabric.		
Condition:	Host or MAC move event.		
Recovery:	clear bgp evpn neighbor <A.B.C.D> soft in/out If the above command does not help, Try clear mac-table vlan <vlan-id>		

Defect ID:	DEFECT000667663		
Technical Severity:	Medium	Probability:	Low
Product:	Brocade SLX-OS	Technology Group:	Management
Reported In Release:	SLXOS 17r.1.01	Technology:	CLI - Command Line Interface
Symptom:	Unexpected reload		
Condition:	Unknown trigger		

Defect ID:	DEFECT000667784		
Technical Severity:	Medium	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.1.00	Technology:	BGP4 - IPv4 Border Gateway Protocol
Symptom:	None of the routes getting matched or redistributed		
Condition:	When match protocol bgp command executed.		

Defect ID:	DEFECT000667813		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.2.00	Technology:	BFD - BiDirectional Forwarding Detection
Symptom:	BGP BFD sessions may flap if statistics CLI is dynamically configured under VLAN and if the corresponding VE interface is used to reach remote MCT peer.		
Condition:	Enable statistics configuration dynamically under a VLAN, where the corresponding VE is used for L3 connectivity with the remote MCT peer.		

Defect ID:	DEFECT000668007		
Technical Severity:	Low	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 17r.2.01	Technology:	BGP4 - IPv4 Border Gateway Protocol
Symptom:	route-map entries not displayed in proper order.		
Condition:	While executing "show running-config route-map" command.		

Defect ID:	DEFECT000668063		
Technical Severity:	Medium	Probability:	Medium
Product:	Brocade SLX-OS	Technology Group:	Network Automation and Orchestration
Reported In Release:	SLXOS 17r.2.01	Technology:	NETCONF - Network Configuration Protocol
Symptom:	Inappropriate values seen for field rate-percent under storm-control even though no value is configured for it.		
Condition:	storm-control config in present under interface with either bps or percent and netconf query is performed.		

Defect ID:	DEFECT000668113		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 2 Switching
Reported In Release:	SLXOS 18r.1.00	Technology:	VXLAN - Virtual Extensible LAN
Symptom:	VXLAN header stripping has not happened after reloading		
Condition:	VXLAN header stripping has not happened after reloading fusion device		

Defect ID:	DEFECT000668258		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	MPLS
Reported In Release:	SLXOS 17r.2.01	Technology:	IP over MPLS
Symptom:	mpls process restarts		
Condition:	When Juniper router sends a specific incorrect protocol packet, this problem is observed.		

Defect ID:	DEFECT000668361		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Security
Reported In Release:	SLXOS 18r.1.00	Technology:	DoS (Denial of Service) protection
Symptom:	Egress receive rate of the VLAN/BD based rate-limit policed traffic is incorrect.		
Condition:	CAM sharing is enabled in the hardware config, Apply the VLAN/BD rate-limiting on a port-channel.		

Defect ID:	DEFECT000668380		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.2.00	Technology:	IS-IS - IPv4 Intermediate System to Intermediate System
Symptom:	IS-IS point-to-point configuration under an interface maybe rejected.		
Condition:	In a scaled system when IS-IS is configured on more than 1024 interfaces		

Defect ID:	DEFECT000668464		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.2.00	Technology:	BGP4 - IPv4 Border Gateway Protocol
Symptom:	BGP peering session may not remain stable when multiple large IP prefix lists are configured for outbound prefix filtering		
Condition:	Multiple IP prefix lists each with 1K rules are configured for outbound prefix filtering. The configured prefix lists are attached to multiple BGP peers at the same time using a script.		
Workaround:	Configure one BGP peer at a time with IP prefix list and wait for the out-policy update to complete . Repeat the configuration for the next BGP peer		

Defect ID:	DEFECT000668494		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.2.00	Technology:	BGP4 - IPv4 Border Gateway Protocol
Symptom:	Unexpected BFD session flap may be experienced with BGP high scale		
Condition:	Bringing down an interface cause other BFD session flap		
Workaround:	Configuring a BFD timer of 1 second or above will avoid the session flap		

Defect ID:	DEFECT000668501		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.2.00	Technology:	IP Addressing
Symptom:	BGP IPV6 peering sessions might flap when 10 or more IPV6 BGP peers are configured with large prefix list		
Condition:	BGP is converging after a reload or by administratively resetting all the neighbors. At this point, IPV6 prefix lists each containing 1K or more rules are created and added as an out-policy to 10 or more IPV6 BGP peers		

Defect ID:	DEFECT000668531		
Technical Severity:	Medium	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.2.00	Technology:	GRE - Generic Routing Encapsulation
Symptom:	Packets generated from CPU and software forwarded GRE packets are not counted as part of GRE tunnel Tx statistics in SLX-9640		
Condition:	Packets generated from CPU and software forwarded GRE packets are not counted as part of GRE tunnel Tx statistics. This issue is happens in SLX-9640 only		

Defect ID:	DEFECT000668584		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.2.00	Technology:	BGP4 - IPv4 Border Gateway Protocol
Symptom:	"show hw route-info" SLXCLI shows incorrect LEM counters due to internal SDK cache issue.		
Condition:	When "show hw route-info" SLXCLI is executed it shows incorrect LEM IPV4/IPV6 value, workaround is to use cmsh cmd "show fiba route-analysis vrf 1 summary inc LEM".		

Defect ID:	DEFECT000668586		
Technical Severity:	Medium	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Security
Reported In Release:	SLXOS 17r.1.01	Technology:	TACACS & TACACS+
Symptom:	Incorrect username in raslog		
Condition:	Rare scenario while executing show logging audit command.		

Defect ID:	DEFECT000668588		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 2 Switching
Reported In Release:	SLXOS 18r.2.00	Technology:	VLAN - Virtual LAN
Symptom:	A breakout cable with the PN 57-1000307-01 failed to come up when connecting to breakout ports.		
Condition:	This is a cable/optics that has not been qualified fro SLX products.		
Workaround:	No work around for this breakout cables. Users can use different qualified breakout cable/optics		

Defect ID:	DEFECT000668613		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.2.00	Technology:	BFD - BiDirectional Forwarding Detection
Symptom:	Unexpected BFD sessions flap may be experienced with more than 2 million BGP routes		
Condition:	System support data collection may cause the bfd session flap		

Defect ID:	DEFECT000668616		
Technical Severity:	High	Probability:	Low
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.2.00	Technology:	BGP4 - IPv4 Border Gateway Protocol
Symptom:	BGP protocol cannot advertise more than 64 large community attributes per route update to a BGP peer configured to advertise large communities		
Condition:	One or more BGP peers are configured with "send-community large" option		

Defect ID:	DEFECT000668716		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.2.00	Technology:	BGP4 - IPv4 Border Gateway Protocol
Symptom:	In a less common scenario where full internet routes are leaked from one vrf to another, and some triggers like interface shutdown, bgp neighbor shutdown are performed, ribmgr reload may happen.		
Condition:	When BGP PIC is enabled with full internet route leak from one vrf to another.		

Defect ID:	DEFECT000668756		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.2.00	Technology:	IS-IS - IPv4 Intermediate System to Intermediate System
Symptom:	"show debug" command missing for ISIS		
Condition:	checking the debugging option level for ISIS.		

Defect ID:	DEFECT000668760		
Technical Severity:	Medium	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.2.00	Technology:	IS-IS - IPv4 Intermediate System to Intermediate System
Symptom:	When IS-IS traps are sent out from the device, user may also notice the following debug messages on the device console. ===> do_trap called for isisDatabaseOverload (x3) ISIS sending DBO trap		
Condition:	User may observe these debug messages When IS-IS traps are sent out from the device with "terminal monitor" enabled. However, it doesn't have any functionality impact.		

Defect ID:	DEFECT000668780		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.2.00	Technology:	IS-IS - IPv4 Intermediate System to Intermediate System
Symptom:	User may observe that IS-IS adjacency on an interface is not coming up		
Condition:	User may observe this in a scaled system when IS-IS configuration is removed from an interface and enabled on a different interface		
Workaround:	User should first remove IS-IS configuration on the desired interface where adjacency should come up. After that, IS-IS configuration should be enabled on the desired interface		

Defect ID:	DEFECT000668841		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Management
Reported In Release:	SLXOS 18r.2.00	Technology:	CLI - Command Line Interface
Symptom:	When rest query is issued, the IP address in audit log is wrong.		
Condition:	When REST query is issued, the IP address in audit log is wrong.		
Workaround:	/var/log/restlog also captures REST query information and correct ip address		

Defect ID:	DEFECT000668862		
Technical Severity:	Critical	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.2.00	Technology:	BFD - BiDirectional Forwarding Detection
Symptom:	BFD sessions flap may be experienced when session is over LAG spanned across multiple linecards		
Condition:	One or more ports have to be part of 100 G line cards. Issue can be seen after the 100G linecard is power cycled multiple times		

Defect ID:	DEFECT000668863		
Technical Severity:	High	Probability:	Medium
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.2.00	Technology:	BGP4 - IPv4 Border Gateway Protocol
Symptom:	Few BGP sessions might stay in "ESTAB*cp" state indicating in-progress out-policy change even though there is no out-policy change for those peers		
Condition:	All BGP peering sessions are cleared several times		

Defect ID:	DEFECT000668912		
Technical Severity:	Medium	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 2 Switching
Reported In Release:	SLXOS 18r.1.00	Technology:	MCT - Multi-Chassis Trunking
Symptom:	Error generated while configuring 'client-pw' command on an MCT node		
Condition:	Configure 'deploy' or 'esi' along with 'client-pw' command in a single line.		
Workaround:	'client-pw' itself is a complete command. Press enter to get into a sub-mode.		

Defect ID:	DEFECT000668926		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	MPLS
Reported In Release:	SLXOS 18r.2.00	Technology:	BGP/MPLS VPN
Symptom:	VRF Traffic will be impacted after removing and re-adding VRF configuration.		
Condition:	VRF RD delete is not supported in VPNV4 case. The routes are not withdrawn from remote PE(s) which led to traffic issue.		
Recovery:	Perform clear bgp vpnv4 neighbors after removing a VRF.		

Defect ID:	DEFECT000668946		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.2.00	Technology:	BGP4 - IPv4 Border Gateway Protocol
Symptom:	BGP session flaps might be observed and BGP related show commands might timeout without returning any output		
Condition:	IP prefix list containing 12K rules are configured and added to more than 5 BGP peers for inbound prefix filtering		

Defect ID:	DEFECT000668960		
Technical Severity:	High	Probability:	Low
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.2.00	Technology:	Multi-VRF
Symptom:	Prefix list used for inter-vrf route leak is limited to 2k entries. Exceeding this may result in unpredictable behavior when routes are scaled.		
Condition:	The problem occurs when prefix list is greater than 2046 and number of routes in vrf is large.		
Workaround:	Restrict prefix list to 2046 when used for inter-vrf route leak		

Defect ID:	DEFECT000668968		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.2.00	Technology:	BGP4 - IPv4 Border Gateway Protocol
Symptom:	BGP session flaps might be observed and BGP related show commands might timeout without returning any output		
Condition:	IP prefix list containing 12K rules are configured and added to multiple BGP peers for inbound prefix filtering		

Defect ID:	DEFECT000668974		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Management
Reported In Release:	SLXOS 18r.2.00	Technology:	Configuration Fundamentals
Symptom:	It looks during MCT deploy on SLX 9640, Interfaces/Clients may flap with LACP timeout when high CPU Host traffic is running;		
Condition:	It looks during MCT deploy with high scale config on SLX 9640, Interfaces/Clients may flap with LACP timeout when high CPU Host traffic is running;		
Workaround:	Workaround is to either use longer LACP timeout or not run Host CPU traffic.		
Recovery:	It will auto-recover in few mins after MCT deploy trigger.		

Defect ID:	DEFECT000668979		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Traffic Management
Reported In Release:	SLXOS 17r.1.01	Technology:	Traffic Queueing and Scheduling
Symptom:	Due to Egress replication with low priority multicast traffic, Device may get over-subscribed and could results in high priority mcast packet drops.		
Condition:	Due to Egress replication with low priority multicast traffic, Device may get over-subscribed and could results in high priority mcast packet drops. Workaround is to use Ingress Shaping to avoid egress over-subscription.		

Defect ID:	DEFECT000668998		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Management
Reported In Release:	SLXOS 18r.1.00	Technology:	High Availability
Symptom:	Switch may undergo unexpected reload		
Condition:	Manual power down Line Card trigger the issue, with endpoint tracking enabled on interface.		

Defect ID:	DEFECT000669003		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.2.00	Technology:	IS-IS - IPv4 Intermediate System to Intermediate System
Symptom:	"no debug all" does not remove ISIS debugging options		
Condition:	running "no debug all" command		
Workaround:	Make a note for all ISIS debugging options enabled, and disable them individually.		

Defect ID:	DEFECT000669017		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.2.00	Technology:	BGP4 - IPv4 Border Gateway Protocol
Symptom:	BGP protocol might converge slow after a reload in a scaled network.		
Condition:	BGP is configured with multi-vrf and highly scaled to process 9M RIB IN routes and generate 14M RIB-OUT routes. Multiple 4K prefix lists are configured and attached to multiple BGP peers across different VRF's for out-bound prefix filtering		

Defect ID:	DEFECT000669057		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.2.00	Technology:	VRRPv3 - Virtual Router Redundancy Protocol Version 3
Symptom:	Some of the VRRP and VRRP-E mac addresses are not present on the BGP EVPN mac table causing traffic forwarding issues		
Condition:	Issue occurs when VRRP and VRRP-E sessions coming up as a Master node with very high scale		
Workaround:	Workaround is to reload the system and check the mac table and BGP EVPN mac table.		

Defect ID:	DEFECT000669114		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Monitoring
Reported In Release:	SLXOS 18r.2.00	Technology:	sFlow
Symptom:	sFlow Counter samples are not received at sFlow collectors when the corresponding interface goes down.		
Condition:	When a user Admin downs a physical interface or when it's operationally down, sFlow agent stops sending sFlow counter samples (to sFlow collector) for that interface. It resumes sending the counter samples when the interface is operationally up.		
Workaround:	Make sure, the interfaces are operationally up for which sFlow monitoring is required.		

Defect ID:	DEFECT000669121		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.2.00	Technology:	BFD - BiDirectional Forwarding Detection
Symptom:	System may unexpectedly reload when BGP is having 2Million routes with few bfd session		
Condition:	Port state change causing bfd session flap		

Defect ID:	DEFECT000669130		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Management
Reported In Release:	SLXOS 18r.2.00	Technology:	CLI - Command Line Interface
Symptom:	'ssh server use-vrf <vrf name> shutdown' command won't be restored to running config while copying config from some external file.		
Condition:	This issue occurs when 'ssh server use-vrf <vrf name> shutdown' is present in running config and then, the running config is copied to some external file. Afterwards, if the config is copied to running config from the external file, the 'ssh server use-vrf <vrf name> shutdown' command will not be restored to running config.		
Workaround:	Manually, rerun the applicable 'ssh server use-vrf <vrf name> shutdown' command(s) after restoring the config from an external file.		

Defect ID:	DEFECT000669154		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.2.00	Technology:	BGP4 - IPv4 Border Gateway Protocol
Symptom:	BGP peering sessions might flap when IP prefix list with more than 1K rules is applied in inbound direction		
Condition:	BGP is configured with 2K peering sessions. IP prefix list with more than 1K rules are configured for few of the BGP peers which receive internet routes for inbound prefix filtering		

Defect ID:	DEFECT000669155		
Technical Severity:	Critical	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Monitoring
Reported In Release:	SLXOS 18r.2.00	Technology:	sFlow
Symptom:	10% lesser sampling rate observed in 18r.2.00 release compared to earlier release		
Condition:	Enable packet sampling with sflow		

Defect ID:	DEFECT000669170		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.2.00	Technology:	BGP4+ - IPv6 Border Gateway Protocol
Symptom:	While performing MM failover, RIBMGR application component may experience a fault on the new Active MM causing the system go through complete reboot.		
Condition:	BGP PIC is enabled on a SLX9850 and administrator does MM Failover.		

Defect ID:	DEFECT000669184		
Technical Severity:	High	Probability:	Medium
Product:	Brocade SLX-OS	Technology Group:	Management
Reported In Release:	SLXOS 18r.2.00	Technology:	CLI - Command Line Interface
Symptom:	In TACACS accounting log, status is shown as - "Message Generic Error" when "crypto ca import" command fails.		
Condition:	When AAA command accounting is enabled and the execution of "cryto ca import" command fails, "Message Generic Error" is displayed instead of specific error message.		

Defect ID:	DEFECT000669187		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Management
Reported In Release:	SLXOS 18r.2.00	Technology:	High Availability
Symptom:	Sometimes, the following message (related to Fabric watch process) may be seen on console while dual-MM SLX-9850 starts up. "Daemon fw:4638 died"		
Condition:	This is a rare condition which may be seen on device boot up only. Once the device is up, it doesn't occur again.		
Recovery:	System will reboot and come up fine once the process died message is seen.		

Defect ID:	DEFECT000669229		
Technical Severity:	Medium	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Management
Reported In Release:	SLXOS 18r.2.00	Technology:	Configuration Fundamentals
Symptom:	Message "Error: IP trace initialization failed(hdl: -4)" might be seen on the console		
Condition:	while reloading the device.		

Defect ID:	DEFECT000669230		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	IP Multicast
Reported In Release:	SLXOS 18r.2.00	Technology:	IPv4 Multicast Routing
Symptom:	When PIM debug is enabled and Terminal Monitoring is turned on the switch can reload.		
Condition:	In scaled scenarios, when PIM debug is enabled and Terminal Monitoring is turned on the switch can reload.		
Workaround:	Disable Terminal Monitoring.		

Defect ID:	DEFECT000669238		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.2.00	Technology:	BGP4 - IPv4 Border Gateway Protocol
Symptom:	Some REST URIs with PUT method is not working for 'empty-leaf' nodes (but POST/PATCH is working for the same) Failing URI:- curl -v -X PUT -H "Content-Type: application/yang-data+xml" -k -d "<empty-leaf />" -u admin:password https://%ipaddress%:443/restconf/data/brocade-common-def:routing-system/brocade-ip-policy:route-map=%name%,%action-rm%,%instance%/content/match/dscp=%compare-op%,%value%/empty-leaf		
Condition:	Some REST URIs failing with PUT method		
Workaround:	This defect is only with PUT method of that URI, POST/PATCH method are working for the same. So it is not breaking any functionality in the switch.		
Recovery:	No configuration changes happening to recover		

Defect ID:	DEFECT000669242		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Monitoring
Reported In Release:	SLXOS 18r.2.00	Technology:	Telemetry
Symptom:	When an interface is not initialized i.e. if an interface is not configured as L2/L3 interface then Applying PBR on such interface will not forward the traffic to configured destination in route-map.		
Condition:	The System is freshly booted up, and there is no L2/L3 configuration done on interface where PBR is being applied.		
Workaround:	Before Applying IP PBR, L3 configuration should be done on port to make port as L3 or for UDA PBR, L2/L3 configuration should be done before applying PBR.		
Recovery:	If after applying PBR, the PBR functionality is not working then interface can be configured as L2/L3 using switchport command or using IP address config command respectively.		

Defect ID:	DEFECT000669247		
Technical Severity:	High	Probability:	Low
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.2.00	Technology:	Multi-VRF
Symptom:	When a prefix is imported or leaked from one source VRF to another destination VRF, if the same prefix also exists in the destination VRF, the behavior is inconsistent sometimes in choosing as the best route.		
Condition:	Same route prefix in multiple vrfs and route leak configuration leaks this prefix.		
Recovery:	clear routes in vrf where routes are leaked.		

Defect ID:	DEFECT000669259		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.2.00	Technology:	Static Routing (IPv4)
Symptom:	L3 MTU config gets rejected with error msg as maximum limit reached even before the maximum IP MTU's were actually configured.		
Condition:	Create a loopback interface. Set this interface to a non default vrf. This sets incorrect IP MTU value and consumes a place in MTU Profile table. Now configure different IP MTU values on other interfaces. Error is seen one config before the max IP MTUs are actually configured.		

Defect ID:	DEFECT000669267		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 2 Switching
Reported In Release:	SLXOS 18r.2.00	Technology:	MCT - Multi-Chassis Trunking
Symptom:	Cluster end point Macs continue to exist post executing "clear mac-address-table cluster" command.		
Condition:	Issue exists for Cluster end point macs in MCT solution.		
Recovery:	"Clear mac-address-table dynamic" can be used to clear Cluster end point macs.		

Defect ID:	DEFECT000669269		
Technical Severity:	Medium	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Monitoring
Reported In Release:	SLXOS 18r.2.00	Technology:	OAM - Operations, Admin & Maintenance
Symptom:	supportsave print some unwanted information,		
Condition:	some command has print this data		

Defect ID:	DEFECT000669278		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.2.00	Technology:	BGP4 - IPv4 Border Gateway Protocol
Symptom:	It looks LPM/LEM shows invalid stats intermittently for some tower via "show hw route-info" SLXCLI in Fusion Chassis		
Condition:	Issue seen only when "show hw route-info" SLXCLI is executed in Fusion Chassis with intermittent invalid LEM/LPM stats.		
Workaround:	Workaround is to use csh cmd "show hw route-info" or "show hw usage info"		

Defect ID:	DEFECT000669291		
Technical Severity:	High	Probability:	Medium
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.2.00	Technology:	BGP4 - IPv4 Border Gateway Protocol
Symptom:	Few routes may not be installed into the forwarding plane after reload when BGP PIC is configured		
Condition:	When there are scaled no. of BGP routes received from the peers (including the direct routes) along with BGP PIC configured, upon device reload, few routes may not be installed into RIB/forwarding plane.		
Workaround:	"clear ip route all" after reloading the device		

Defect ID:	DEFECT000669317		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Monitoring
Reported In Release:	SLXOS 18r.2.00	Technology:	Hardware Monitoring
Symptom:	Unexpected BFD session flap may be experienced with 1 million IPv6 BGP routes		
Condition:	Bringing down an interface cause other BFD session flap		

Defect ID:	DEFECT000669321		
Technical Severity:	High	Probability:	Medium
Product:	Brocade SLX-OS	Technology Group:	MPLS
Reported In Release:	SLXOS 18r.2.00	Technology:	BGP/MPLS VPN
Symptom:	Sometimes when there are a lot of VE interfaces, reloading the system might not bring up the LSP between MCT peers.		
Condition:	Around a 1000 VEs and right after system reload.		
Workaround:	Shutdown/no shutdown on the peer-interface for the MCT will fix the issue.		

Defect ID:	DEFECT000669330		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Management
Reported In Release:	SLXOS 18r.2.00	Technology:	CLI - Command Line Interface
Symptom:	User defined vrf that is assigned to NTP server configuration will not be replayed back after doing Firmwarre upgrade from 17r.1.01b to 18r.2.00 and restoring the configuration from an externally backed up file.		
Condition:	This issue occurs if the configuration was backed up to an external file before the firmware upgrade and then copied back to running config after the firmware upgrade is done via netinstall.		
Workaround:	After the firmware upgrade is done, manually run the affected NTP server commands/configuration and then save it to startup config to make it persistent.		

Defect ID:	DEFECT000669336		
Technical Severity:	Medium	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.2.00	Technology:	ARP - Address Resolution Protocol
Symptom:	Configured static mac entry may be incorrectly displayed on a chassis reload		
Condition:	Chassis reload		

Defect ID:	DEFECT000669384		
Technical Severity:	High	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.2.00	Technology:	BGP4 - IPv4 Border Gateway Protocol
Symptom:	IPv4 traffic may get blocked after powering off and then powering on a linecard on an SLX9850 configured with BGP PIC and having BGP sessions.		
Condition:	On SLX9850 with BGP PIC configuration enabled and having active BGP sessions. And if a linecard is powered off/on, in a corner case scenario, IPv4 traffic may get blocked.		

Defect ID:	DEFECT000669386		
Technical Severity:	Medium	Probability:	High
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.2.00	Technology:	ARP - Address Resolution Protocol
Symptom:	static arp entry may not be copied from startup configuration to running configuration during an image upgrade		
Condition:	Image upgrade		

Defect ID:	DEFECT000669397		
Technical Severity:	High	Probability:	Medium
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.2.00	Technology:	IP Addressing
Symptom:	system rebooted after executing forwarding information related debugging command		
Condition:	executing forwarding information related debug commands		

Defect ID:	DEFECT000669455		
Technical Severity:	High	Probability:	Medium
Product:	Brocade SLX-OS	Technology Group:	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 18r.2.00	Technology:	BGP4+ - IPv6 Border Gateway Protocol
Symptom:	Repeated failover or process-restart causes ASIC Hardware resource allocation error		
Condition:	Executing repeated failover or process restart		