7 September 2018

SLX-OS 18r.1.00 for SLX 9850 and SLX 9540

Release Notes v2.0

Contents

Document history

Version	Summary of changes	Publication date
2.0	Added defect 000663422	September 7, 2018
1.0	Initial Release	August 31, 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

SLX-OS 18r.1.00 supports these features:

Multiple VLAN Registration Protocol (MVRP): Layer2 protocol to manage dynamic VLANs events per 802.1ak. This is supported with MCT.

Endpoint tracking: This feature complements MVRP by adding MAC-authentication, re-authentication using Radius. This feature is supported with MCT.

Streaming telemetry enhancements: JSON encoding support along with support for streaming of Line Card, MPLS LSP, Queue statistics.

This release introduces the support of virtual SLX for customers. Virtual SLX (vSLX) enables emulating SLX 9540 and SLX 9850 devices to run on x86 platforms. Virtual SLX is meant for training, configuration buildout and validation, workflow automation development and testing.

New SKUs

No new SKUs are introduced in this release.

Behavior changes

Behavior changes in release 18r.1.00

The following system behaviors have changed in this release:

- DNS improvement: Now we do not need to configure a domain name using command “ip dns domain-name … “, along with “ip dns name-server <ip>” command. Previously, we had to configure domain name for DNS resolving to happen.
- Multi-VRF support for NTP client and server: Previously, NTP client tried to reach the server via mgmt-vrf instead of default-vrf. Support for default-vrf was added in this release.

Software Features

New software features in 18r.1.00

The following software features are new in this release:

- Endpoint tracking:
  - Minimizes the configuration and management of VLANs on switches in the data center
  - Supports authentication of macs using 802.1x protocol
  - Supports assignment of VLAN using NAC to authenticated mac, dynamic VLAN creation of the same and port vlan assignment
  - Can be used for dynamic VLAN management per host using NAC configuration
- Multiple VLAN Registration Protocol (MVRP):
  - Layer 2 protocol allows the dynamic propagation of VLAN information from device to device; manually configure an MVRP-aware access device with all desired VLANs for the network and all other MVRP-aware devices on the network learn these VLANs
- Layer 2 Loop Detection:
  - In Loose Mode, the LD shutdown action is changed from physical port level shutdown to LIF (Logical Interface) level shutdown. This keeps the physical port up and prevents other VLANs on the same physical port from being impacted.
- Data streaming Enhancements:
  - JSON encoding support
  - TM VoQ statistics
  - Line card CPU and Memory Statistics
  - MPLS traffic statistics data streaming
- Increase scale support for class-maps under the service policy:
  - Number of class maps per policy-map has been changed from 128 to 4K.
- Host and the SLX VM image snapshots:
  - Creates snapshot image of the currently running Host and the SLX VM images
- MPLS Enhancements:
  - Syslog enhancement for LDP session down events
  - Logging LSP down reason in syslog
  - Sort the output of “show mpls ldp tunnel” command by FEC address
- vSLX Support*
  - Extreme Virtual SLX (vSLX) is a virtual lab that enables you to emulate Extreme Switching SLX 9540 and Extreme Routing SLX 9850 devices. You can also create virtual networks of workstations, SLX devices, tunnels, bridges, and probes. This is the first release of vSLX, which provides support for control plane and basic packet forwarding for L2, L3 and VXLAN based IP Fabric.

* vSLX is supported as a controlled release. Contact pavo_cr_access@extremenetworks.com to request distribution.

BGP EVPN VxLAN based IP Fabric**

BGP EVPN IP Fabric is a controller-less architecture that simplifies data center operations by leveraging open, standards-based protocols to abstract network control plane, data plane, and automation functions from the underlying physical platforms. BGP EVPN Network Virtualization builds upon underlying infrastructure platforms, fabrics, and automation to deliver simplified and secure network operations.

The following features are supported:

- BGP EVPN support: Support for EVPN route types (Inclusive Multicast, MAC/MACIP routes, IPv4/v6 prefix routes, ES routes, AD routes)
- Dynamic tunnel (VxLAN) discovery: Supports Dynamic Tunnel discovery using BGP EVPN
- Bridge Domain Support: BGP-EVPN is supported over basic VLAN and Bridge-Domain
- ARP Suppression: Suppress/reduce the ARP broadcast traffic in an IP fabric.
- Static Anycast Gateway: Static Anycast Gateway allows configuring Static Anycast MAC as gateway for multiple tenant systems in a virtualized data center fabric. Same Gateway address is configured across all TORs for a given Tenant/VLAN combination, thus enabling seamless VM mobility across the leaf switches in an IP Fabric deployment without any need for host gateway configuration changes.
- IP Unnumbered Interfaces: Reduces consumption of IP Address space. Leaf to spine inter-switch point-to-point L3 links are configured as ip unnumbered to conserve IP addresses and optimize hardware resources.
- L2VNI capability: The L2VNI is the MAC/NVE mapping table
- L3VNI/routing capability: Default and non-default VRF routing/L3VNI are supported with BGP-EVPN. Symmetric and Asymmetric IRB are supported
- Logical VTEP: A logical VXLAN tunnel end point (LVTEP) is supported for both Layer 2 and Layer 3 for SLX 9540 only. SLX 9850 is not supported as leaf in VXLAN IP fabric.

REST API Support: All configuration operations supported in CLI are supported via REST. Selected BGP show commands for EVPN are supported with REST.

**Please note that the support for the L3VNI comes with limitations, which will be resolved in the patch release of 18r.1.00. Extreme recommends using 18r.1.00 for evaluation or controlled deployments of L3VNI.

CLI commands

CLI commands

New commands

The following commands are new in this release:

- bypass-lsp (Telemetry)
- clear ip arp suppression-cache
- clear ip arp suppression-statistics
- clear ipv6 nd suppression-cache
- clear ipv6 nd suppression-statistics
- clear mrvp statistics
- endpoint-tracking enable
- fec (telemetry)

Modified commands

The following commands have been modified for this release:

- show arp
- show arp summary
- show ipv6 neighbor
- show ipv6 neighbor summary

Deprecated commands

There are no deprecated commands in this release.

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

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

Supported power supplies

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

Supported optics

Part Number	Description
1G-SFP-TX	MODULE, MINI-GBIC, TX, 1000BASE, RJ45
1G-SFP-SX-OM	1000BASE-SX SFP OPTIC, MMF LC
1G-SFP-SX-OM-8	1000BASE-SX SFP OPTIC, MMF LC 8
1G-SFP-LX-OM	1000BASE-LX SFP OPTIC, SMF LC
1G-SFP-LX-OM-8	1000BASE-LX SFP OPTIC, SMF LC 8
1G-SFP-LHA-OM	1000BASE-LHA SFP OPTIC, SMF, LC CONN
1G-SFP-BXD	1000BASE-BXD SFP OPTIC SMF
1G-SFP-BXU	1000BASE-BXU SFP OPTIC SMF
10G-SFP-USR	10G USR SFP+ TRANS 100M OVER MMF
10G-SFP-SR	10G SR SFP+ TRANS 300M OVER MMF
10G-SFP-SR-8	10G SR-8 SFP+ TRANS 300M OVER MMF 8
10G-SFP-LR	10G LR SFP+ TRANS 10KM OVER SMF
10G-SFP-LR-8	10G LR SFP+ TRANS 10KM OVER SMF 8
10G-SFP-ER	10G ER SFP+ TRANS 40KM OVER SMF
10G-SFP-ZR	10GBASE-ZR SFP+ optic (LC), for up to 80km over SMF
10GE-SFP-AOC-0701	10GE SFP+ Direct Attach Cables 7m - Active Optical cables
10GE-SFP-AOC-1001	10GE SFP+ Direct Attach Cables 10m - Active Optical cables
10G-SFP-TWX-0101	10 GbE SFP+ optics Twinax Active Copper cable: 1m
10G-SFP-TWX-0301	10 GbE SFP+ optics Twinax Active Copper cable: 3m
10G-SFP-TWX-0501	10 GbE SFP+ optics Twinax Active Copper cable: 5m
40G-QSFP-SR4	40G QSFP+ SR4 TRANS 100M OVER MMF
40G-QSFP-SR4-INT	40G QSFP+ 100M OVER MMF 10G BREAKOUT
40G-QSFP-ESR4-INT	40G QSFP+ 300M OVER MMF 10G BREAKOUT
40G-QSFP-LR4	40G QSFP+ LR4 TRANS 10KM OVER SMF

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

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

Software upgrade and downgrade

Image file names

Download the following images from www.extremenetworks.com.

Image file name	Description
slxos18r.1.00.tar.gz	SLX-OS 18r.1.00 software
slxos18r.1.00_all_mibs.tar.gz	SLX-OS 18r.1.00 MIBS
slxos18r.1.00.md5	SLX-OS 18r.1.00 md5 checksum

Upgrade and downgrade considerations

- Upgrade from a 32-bit to 32-bit SLX-OS is performed using 'coldboot' option
- Upgrade from a 32-bit to 64-bit SLX-OS is a twostep sequential process as shown below:
    1) Upgrade using 'coldboot' to 17r.1.01a
    2) Upgrade using 'fullinstall' to 64-bit SLX OS
- Upgrade/Downgrade using 'fullinstall' 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

To **From**	**16r.1.0** **(32-bit)**	**17r.1.0** **(32-bit)**	**17r.1.01** **(32-bit)**	**17r.1.01a** **(32-bit)**	**17r.2.0** **(64-bit)**	**18r.1.0** **(64-bit)**
16r.1.0 **(32-bit)**	coldboot	coldboot	coldboot	coldboot	Two Step Process: 1. Upgrade to 17r.1.01a 2. Upgrade to 17r.2.0	Two Step Process: 1. Upgrade to 17r.1.01a 2. Upgrade to 18r.1.0
17r.1.0 **(32-bit)**	coldboot	coldboot	coldboot	coldboot	Two Step Process:	Two Step Process:

					1. Upgrade to 17r.1.01a 2. Upgrade to 17r.2.0	1. Upgrade to 17r.1.01a 2. Upgrade to 18r.1.0
17r.1.01 **(32-bit)**	coldboot	coldboot	coldboot	coldboot	Two Step Process: 1.Upgrade to 17r.1.01a 2.Upgrade to 17r.2.0	Two Step Process: 1. Upgrade to 17r.1.01a 2. Upgrade to 18r.1.0
17r.1.01a **(32-bit)**	coldboot	coldboot	coldboot	coldboot	fullinstall	fullinstall
17r.2.0 (**64-bit)**	Two Step Process: 1. Downgrade to 17r.1.01a 2. Coldboot to 16r.1.0	Two Step Process: 1. Downgrade to 17r.1.01a 2. Coldboot to 17r.1.0	Two Step Process: 1.Downgrade to 17r.1.01a 2. Coldboot to 16r.1.0	fullinstall	coldboot	coldboot
18r.1.0 **(64-bit)**	Two Step Process: 1. Downgrade to 17r.1.01a 2. Coldboot to 16r.1.0	Two Step Process: 1. Downgrade to 17r.1.01a 2. Coldboot to 17r.1.0	Two Step Process: 1.Downgrade to 17r.1.01a 2.Coldboot to 17r.1.01	fullinstall	coldboot	coldboot

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

1. Make sure the device is running SLXOS 17r.1.01a or later, if not, please see the 17r.1.01 documentation on how to upgrade to that release
2. Upgrade to SLX-OS 18r.1.00 using fullinstall
3. Save Configuration

   To save the config, run

   copy running-config startup-config

4. Firmware download with "**fullinstal**l" 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-SLX 17r.1.01a to SLX-OS 17r.2.01 is supported via firmware download CLI with "fullinstall" option, but not supported with USB

Instruction to check and upgrade FPGAs/CPLDs:

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

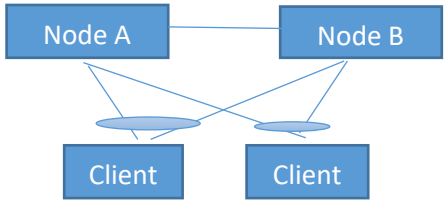
FPGA/CPLD versions:

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

Additional upgrade considerations for upgrades from 32 bit to 64 bit versions of SLX-OS when MCT is deployed

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. Isolate Node A from the network using the follow steps.
    a) Verify the client-isolation-mode and ensure it is in loose mode; otherwise explicitly configure client-isolation-loose
    b) Disable the MCT clients from the MCT node that needs to be taken offline using "client-interfaces-shutdown" command.

c) Disable the link connected to MCT peer node and uplink to the core.

2. Copy running-configuration to startup-configuration on node A.
3. Upgrade node “A” using firmware download with fullinstall option to the Venus image. While the upgrade on node A is happening, the traffic passes through node B with <30sec downtime (depending on the scale and other parameters).
4. Verify that once the node comes UP, the member-vlan configuration under the cluster is removed.
5. 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>
6. 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.
7. Copy running-configuration to startup-configuration on node B.
8. 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.
9. Upgrade MCT node B by repeating the steps 3-5

Once the upgrade is completed, bring back MCT node B to network by using the same step as 8.

Limitations and restrictions

BFD:

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

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

FRR facility backup

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

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

Routing over VPLS

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

Internet Routes Scaling

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

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

EVPN IP Fabric

- IPv6 Static Anycast Gateway is not supported.

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.

Closed with code changes 18r.1.00

This section lists software defects with Critical, High, and Medium Technical Severity closed with a code change as of **08/31/2018** in 18r.1.00.

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

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

Defect ID:	DEFECT000640298		
Technical Severity:	High	**Probability:**	Medium
Product:	Brocade SLX-OS	**Technology Group:**	Management
Reported In Release:	SLXOS 17r.1.01	**Technology:**	Configuration Fundamentals
Symptom:	User may observe traffic drop for a BD in MCT-VLL scenario.		
Condition:	If user performs deleting of peer IP and re-adding it multiple time may lead to this issue.		
Recovery:	Bridge-Domain flap or Deploy/Un-deploy of Cluster will recover the issue.		

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

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

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

Defect ID:	DEFECT000648772		
Technical Severity:	High	**Probability:**	Low
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:	Jumbo frames are not supported in BGP		
Condition:	Running BGP with jumbo frame configuration		

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

Defect ID:	DEFECT000651113		
Technical Severity:	Medium	**Probability:**	High
Product:	Brocade SLX-OS	**Technology Group:**	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 17r.2.00	**Technology:**	Multi-VRF
Symptom:	Duplicate RT in IMR route of L3VRF if IPv4 and IPv6 address-family have the same RT configured		
Condition:	Only if user enters same export RT value for IPV4 and IPV6 address family, it will be repeated in IMR route. It does not affect the functionality, as in the remote end, route will be accepted even if the first RT value matches.		

Defect ID:	DEFECT000652789		
Technical Severity:	Medium	**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:	"show ip arp suppression-cache" has invalid port number for the entries which were learnt locally		
Condition:	Issue would be hitting after HA, and only for the locally learnt entries		
Workaround:	"show ip arp" which also displays the local entries will have proper output		

Defect ID:	DEFECT000653068		
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:	Mac is shown as learnt on CCL though the underlying interface is down. CLI command : "show mac-address vlan <number>"		
Condition:	A VXLAN tunnel is configured for the vlans and an underlying port-channel is shut.		
Recovery:	"clear mac-address-table cluster" will clear the mac.		

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

Defect ID:	DEFECT000653929		
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:	BGP operational commands from NETCONF are not available.		

Defect ID:	DEFECT000654324		
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:	User may experience traffic drop if all MPLS interface go for flap in Layer 2 VPN MCT case.		
Condition:	All MPLS interfaces flaps		
Recovery:	Re-apply Layer 2 2VPN MCT. configuration		

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

Defect ID:	DEFECT000654981		
Technical Severity:	High	**Probability:**	Medium
Product:	Brocade SLX-OS	**Technology Group:**	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 17r.2.00	**Technology:**	OSPF - IPv4 Open Shortest Path First
Symptom:	If we try to learn 100k routes through OSPF in scaled scenario with 200 Neighbors spanning across 200 Areas in single VRF, then some routes may not be learned.		
Condition:	OSPF adjacency is FULL with 200 Neighbors spanning across 200 Areas.		

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

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

Defect ID:	DEFECT000655803		
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:	User will experience usability issue where Y1731 SLM/DM session will not start when the bridge domain(VPLS/VLL) configuration is changed to peer load-balance.		
Condition:	User will observe issue while using Y1731 with Bridge domain(VPLS/VLL), followed by change in bridge domain configuration.		
Workaround:	Workaround is to delete and add back the MEP on A/C LIF so as to make CFM learn the Remote MEP on the updated PW LIF.		

Defect ID:	DEFECT000655853		
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:	User will observe usability issue where Y1731 DM/SLM session will not start when peer config is assigned with lsp in bridge-domain(VPLS/VLL).		
Condition:	User will observe this issue while using 8021ag/Y1731 DM/SLM sessions with VPLS/VLL Bridge domain		
Workaround:	Workaround is to delete and add back the MEP on A/C LIF so as to make 8021ag learn the Remote MEP on the updated Pseudowire LIF.		

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

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

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

Defect ID:	DEFECT000656392		
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:	Netconf session gets closed when sending the request to get the chassis details.		
Condition:	Netconf command to get the chassis details is issued		
Workaround:	Avoid using the netconf command to get the chassis details.		

Defect ID:	DEFECT000656988		
Technical Severity:	Medium	**Probability:**	Medium
Product:	Brocade SLX-OS	**Technology Group:**	MPLS
Reported In Release:	SLXOS 17r.1.01	**Technology:**	IPv6 over MPLS
Symptom:	VPLS Traffic drop observed		
Condition:	When VPLS peer load balanced with multiple LSPs/path, traffic drop will seen rarely when continuously flapping two different paths.		
Workaround:	"clear mpls lsp all" will recover from this issue.		

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

Defect ID:	DEFECT000657219		
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:	There could be traffic loss for IPv6 host.		
Condition:	When the anycast IPv6 address is delete and added again.		

Defect ID:	DEFECT000657354		
Technical Severity:	High	**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:	All evpn mac addresses will be displayed irrespective of filter option		
Condition:	When show mac-address command for evpn with tunnel id as filter option is executed.		

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

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

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

Defect ID:	DEFECT000657856		
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:	Link aggregation group(LAG) comesup as Link UP with back to back connected links on the same switch.		
Condition:	LAG links are connected back to back to ports on the same switch.		
Workaround:	Keep individual links instead of configuring LAG.		

Defect ID:	DEFECT000658005		
Technical Severity:	High	**Probability:**	Medium
Product:	Brocade SLX-OS	**Technology Group:**	MPLS
Reported In Release:	SLXOS 17r.2.00	**Technology:**	BGP/MPLS VPN
Symptom:	VPNV4 routes after HA failover are misssing if GR is enable		
Condition:	VPNV4 routes are not learnt after Switchover if GR is enable in Address family IPv4 unicast.		
Workaround:	Disable BGP GR in in Address family IPv4 unicast.		
Recovery:	clear bgp neighbor		

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

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

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

Defect ID:	DEFECT000658576		
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:	BGP process termination is observed upon adding a large prefix list to the running config and applying it to BGPv4 neighbors inbound , performing a soft clear to take effect		
Condition:	BGP process terminated after making filter changes and performing soft clear		
Recovery:	BGP deamon will restart		

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

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

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

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

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

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

Defect ID:	DEFECT000659427		
Technical Severity:	Medium	**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:	Sometimes fib compression is not enabled on loading config from flash		
Condition:	Running fib compression		

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

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

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

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

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

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

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

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

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

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

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

Defect ID:	DEFECT000659954		
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:	Higher average and max frame delay in scheduled DMM tests.		
Condition:	When system exchanges high number of control frames.		

Defect ID:	DEFECT000660008		
Technical Severity:	Medium	**Probability:**	Medium
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:	Virtual IPV6 configuration rejected on VE		
Condition:	When VRRP extended group is configured on VE.		

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

Defect ID:	DEFECT000660104		
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:	BGP sessions configured under BGP user-vrf stuck at OPENS state.		
Condition:	BGP peers are configured under BGP user-vrf and HA failover is triggered manually using CLI command		

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

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

Defect ID:	DEFECT000660343		
Technical Severity:	High	**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 PW will be down		
Condition:	After HA failover, VPLS PW status will be down		
Recovery:	"clear mpls lsp" will recover from the issue. clear mpls lsp all		

Defect ID:	DEFECT000660402		
Technical Severity:	High	**Probability:**	High
Product:	Brocade SLX-OS	**Technology Group:**	IP Multicast
Reported In Release:	SLXOS 17r.2.01	**Technology:**	PIM - Protocol-Independent Multicast
Symptom:	The display output for the command 'show ip pim settings' shows the extra characters in the IP prefix range, for SSM groups.		
Condition:	This cosmetic display issue is observed when PIM SSM group range is configured and the switch is reloaded. The Display output shows extra '/0' in the IP prefix.		

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

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

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

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

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

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

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

Defect ID:	DEFECT000660823		
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:	User may observe "hslagt_lif_brcm_delete_lag_lif: unable to find xconnect partner LIF" on LC console.		
Condition:	Bridge domain is removed from EVPN MCT.		

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

Defect ID:	DEFECT000661053		
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:	NTP client on the device can't sync up with external NTP servers in default-vrf and user defined VRF.		
Condition:	External NTP server is reachable only via mgmt-VRF, not via default-vrf or user defined VRF.		
Workaround:	Configure external NTP servers only in mgmt-vrf.		

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

Defect ID:	DEFECT000661115		
Technical Severity:	High	**Probability:**	High
Product:	Brocade SLX-OS	**Technology Group:**	Layer 2 Switching
Reported In Release:	SLXOS 17s.1.02	**Technology:**	MCT - Multi-Chassis Trunking
Symptom:	Multi Chassis Trunking management cluster may not be up on an Multi Chassis Trunking network involving SLX 9140 or SLX 9240.		
Condition:	Multi Chassis Trunking management cluster may fail to come up when the Multi Chassis Trunking source IP (used as the peer IP on the remote node) is changed from IP_address1 to IP_address2 and back to IP_address1.		
Workaround:	Avoid changing Multi Chassis Trunking source IP address during the life of the Multi Chassis Trunking cluster.		
Recovery:	SLX switch may have to be reloaded if the same source IP which was configured earlier has to be used again.		

Defect ID:	DEFECT000661125		
Technical Severity:	High	**Probability:**	High
Product:	Brocade SLX-OS	**Technology Group:**	Management
Reported In Release:	SLXOS 18r.1.00	**Technology:**	Configuration Fundamentals
Symptom:	During chassis reload or firmwaredownload, linecard goes faulty(97).		
Condition:	One of the possible interrupts generated by system FPGA was not handled in the interrupt handler. This causes the system FPGA interrupt handler to be called continuously and vCPU to be almost 100% busy. Eventually linecard is faulted.		
Recovery:	The faulty linecard is usually recovered automatically by the internal reset recovery logic. If the reset-recovery logic doesn't kick-in, user can power cycle the linecard to recover.		

Defect ID:	DEFECT000661132		
Technical Severity:	Medium	**Probability:**	High
Product:	Brocade SLX-OS	**Technology Group:**	Layer 2 Switching
Reported In Release:	SLXOS 17r.1.01	**Technology:**	LAG - Link Aggregation Group
Symptom:	traffic floods across VPLS peer		
Condition:	MAC present in software but not present in HW		

Defect ID:	DEFECT000661167		
Technical Severity:	High	**Probability:**	High
Product:	Brocade SLX-OS	**Technology Group:**	Management
Reported In Release:	SLXOS 17r.1.01	**Technology:**	High Availability
Symptom:	'reload system' or "reload" CLI issued on SLX its taking upto 3 mins for the links on neighbor cisco device directly connected to SLX box to go into DOWN state.		
Condition:	'reload system' or "reload" CLI execution.		

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

Defect ID:	DEFECT000661227		
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:	Unexpected reload		
Condition:	This is very rare to hit when an LDP socket got closed.		

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

Defect ID:	DEFECT000661315		
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:	VLAN extension is removed when IRB VLAN is removed		
Condition:	Same as above		
Workaround:	Clear BGP EVPN neighbor all		
Recovery:	Clear BGP EVPN neighbor all		

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

Defect ID:	DEFECT000661357		
Technical Severity:	High	**Probability:**	High
Product:	Brocade SLX-OS	**Technology Group:**	Management
Reported In Release:	SLXOS 17r.2.01	**Technology:**	High Availability
Symptom:	Restconf queries for GET methods gives output in non standard format where comma comes at the beginning of the output in leaf, list and container cases.		
Condition:	when the media type is given as JSON		
Workaround:	RESTCONF xml queries will give correctly		

Defect ID:	DEFECT000661384		
Technical Severity:	Medium	**Probability:**	High
Product:	Brocade SLX-OS	**Technology Group:**	MPLS
Reported In Release:	SLXOS 17r.2.00	**Technology:**	MPLS VPLS - Virtual Private LAN Services
Symptom:	VPLS BUM packets are sent out on the interface for primary path even though LSP is on the secondary.		
Condition:	VPLS BUM traffic flow.		

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

Defect ID:	DEFECT000661490		
Technical Severity:	Medium	**Probability:**	Medium
Product:	Brocade SLX-OS	**Technology Group:**	Security
Reported In Release:	SLXOS 17r.2.00	**Technology:**	SSH - Secure Shell
Symptom:	Won't be able to login to device via console or telnet/SSH		
Condition:	Issue is seen after firmware upgrade, but it is not seen always		

Defect ID:	DEFECT000661509		
Technical Severity:	Medium	**Probability:**	High
Product:	Brocade SLX-OS	**Technology Group:**	Monitoring
Reported In Release:	SLXOS 17r.1.01	**Technology:**	RAS - Reliability, Availability, and Serviceability
Symptom:	The customer will observe difference in output of 'show loop-detect' and 'show interface' CLI where the show output of 'show loop-detection' cli will indicate the interface is DOWN while the 'show interface' will indicate its UP. There will be no impact on functionality as its a display issue only in CLI 'show loop-detect'		
Condition:	The issue will be observed when the loop-detect feature is enabled on a PO interface .		
Workaround:	User can rely on the output of 'show interface' CLI as that depicts the correct behavior when loop-detect is enabled on the interface or otherwise.		

Defect ID:	DEFECT000661576		
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:	When RESTCONF queries are run with namespaces in URI, The response sometimes may not be correct.		
Condition:	If there are more than 2 namespaces in URI .		

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

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

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

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

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

Defect ID:	DEFECT000661915		
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:	Unexpected reload		
Condition:	When configured with neighbor in BGP filters.		

Defect ID:	DEFECT000661968		
Technical Severity:	Medium	**Probability:**	High
Product:	Brocade SLX-OS	**Technology Group:**	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 17r.1.01	**Technology:**	IP Addressing
Symptom:	L3 outgoing traffic was getting corruputed on Dual tagged outgoing interface,		
Condition:	BD with Dual tag as outgoing intarface, L3 traffic		

Defect ID:	DEFECT000662003		
Technical Severity:	Medium	**Probability:**	Medium
Product:	Brocade SLX-OS	**Technology Group:**	Layer 2 Switching
Reported In Release:	SLXOS 17r.2.00	**Technology:**	VXLAN - Virtual Extensible LAN
Symptom:	With CLI to shutdown an interface between two EVPN-VXLAN neighbors, VxLAN tunnel went down.		
Condition:	With CLI to shutdown an interface between two EVPN-VXLAN neighbors, VxLAN tunnel went down.		

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

Defect ID:	DEFECT000662055		
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:	SNMP polling for cpStatus and swOperStatus OIDs returns wrong values.		
Condition:	When SNMP get/walk request done for cpStatus and swOperStatus OIDs.		

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

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

Defect ID:	DEFECT000662211		
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:	Specific MPLS packets with inner TCP sequence number matched to VRRP protocal entry 112 will get dropped at PHP node which in turn will result BGP connections to drop		
Condition:	Issue seen while running BGP traffic over IP over MPLS		

Defect ID:	DEFECT000662238		
Technical Severity:	High	**Probability:**	High
Product:	Brocade SLX-OS	**Technology Group:**	Security
Reported In Release:	SLXOS 17r.1.01	**Technology:**	Security Vulnerability
Symptom:	NFS port was open on management interface in earlier releases. Customers want to close NFS port on management vrf.		
Condition:	NFS port was open on management interface in earlier releases.		

Defect ID:	DEFECT000662239		
Technical Severity:	High	**Probability:**	High
Product:	Brocade SLX-OS	**Technology Group:**	Security
Reported In Release:	SLXOS 17r.1.01	**Technology:**	Security Vulnerability
Symptom:	Port 9110, was exposed via management interface.		

Defect ID:	DEFECT000662394		
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:	L2 Mac learning does not happen on a L2 interface.		
Condition:	If the customer has "spanning-tree shut" configuration on a L2 interface and configure RSTP/MSTP flavour of protocol, the MAC learning does not happen on this L2 port. Also this behaviour will be observed when hafailover is done.		
Workaround:	do "no spanning-tree shut / spanning-tree shut" or "no switchport/ switchport" or "no protocol spanning-tree/ protocol spanning-tree xstp" to recover the mac learning issue.		

Defect ID:	DEFECT000662501		
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:	When RD and RT are removed from EVPN instance.		
Condition:	Same as above		

Defect ID:	DEFECT000662565		
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:	Issue occurs when "show bgp evpn route type inclusive-multicast ethernet-tag 0 ipv4-address <IP>" is given, if number of IMR routes originated/received with same IMR key are more than 25 routes.		
Condition:	Same as above		
Workaround:	"show bgp evpn routes type inclusive-multicast" or "show bgp evpn routes type inclusive-multicast ethernet-tag 0 ipv4-address <IP> l2-label <value>" can be issued to check for routes alternatively.		

Defect ID:	DEFECT000662785		
Technical Severity:	Low	**Probability:**	Medium
Product:	Brocade SLX-OS	**Technology Group:**	Management
Reported In Release:	SLXOS 18r.1.00	**Technology:**	CLI - Command Line Interface
Symptom:	For an interface user can configure MTU locally, apart from global MTU. If user configures default value of MTU (1548) as local MTU then it's not shown in output of "show running-config". It should be shown if it's user configured value even though it's default value.		
Condition:	Configuration of local MTU for an interface.		

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

Defect ID:	DEFECT000662980		
Technical Severity:	High	**Probability:**	Low
Product:	Brocade SLX-OS	**Technology Group:**	Layer 2 Switching
Reported In Release:	SLXOS 18s.1.00	**Technology:**	VLAN - Virtual LAN
Symptom:	Unexpected reload seen under certain config combinations. The box has to be reloaded with the following config- < file config1> After box reboots, configure evpn default vlan 5 Box reload when this CLI is issued after reload.		
Condition:	Node reloads when VLAN is added to EVPN under certain configuration combinations.		
Workaround:	Avoid adding VLAN to EVPN default after reload. Add it as a part of reload config.		
Recovery:	reload the node.		

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:	DEFECT000663150		
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:	import/export commands for normal L3 VPN do not work.		
Condition:	import/export commands for normal L3 VPN do not work.		

Defect ID:	DEFECT000663195		
Technical Severity:	Medium	**Probability:**	High
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:	OSPF Hello packets will be sent on OSPF Ve interface even though it is administratively down.		
Condition:	Issue is seen when OSPF Ve interface is administratively down and this Ve is bound to a VLAN.		
Workaround:	Toggling the administrative state of OSPF Ve interface by using 'no shutdown' & 'shutdown' commands will resolve the issue.		

Defect ID:	DEFECT000663391		
Technical Severity:	High	**Probability:**	High
Product:	Brocade SLX-OS	**Technology Group:**	Monitoring
Reported In Release:	SLXOS 18r.1.00	**Technology:**	sFlow
Symptom:	1. sFlow source interface IP address is used even when the interface is down. 2. sFlow doesn't pick up run time IP address changes to an already configured source interface.		
Condition:	At run time, after sFlow source interface is configured, any IP changes or link UP/DOWN events does not effect the sFlow source IP.		
Workaround:	To effect any run-time IP address changes to sFlow source interface, unconfigure and then reconfigure sFlow source interface.		

Defect ID:	DEFECT000663422		
Technical Severity:	High	**Probability:**	High
Product:	Brocade SLX-OS	**Technology Group:**	SNMP – Simple Network Management Protocol
Reported In Release:	SLXOS 18r.1.00	**Technology:**	Management
Symptom:	When SNMP query is sent to switch inband loopback IP, switch sends SNMP replies with outgoing interface IP as source IP instead of the loopback IP.		
Condition:	The issue is seen only for inband interfaces in mgmt.-vrf. For default-vrf and user-defined vrf, we don’t see the issue. That is, we see loopback IP as source IP in SNMP replies.		

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

Defect ID:	DEFECT000663449		
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:	VPLS traffic drop observed		
Condition:	When flapping more than 2 MPLS uplink interfaces, VPLS PWs configured with load balance occasionally hit this issue.		
Workaround:	Flapping of multiple MPLS uplink interface at same time can be avoided.		
Recovery:	Clearing MPLS LSPs used by the specific VPLS PW or reconfiguring the specific peer will recover this issue.		

Defect ID:	DEFECT000663635		
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:	This is a timing issue, seen during config-replay. Issue is seen for MPLS encap type, when tunnel map VNI auto is not yet set.		
Condition:	Same as above		
Workaround:	Issue command "clear bgp evpn neighbor all"		

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

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

Defect ID:	DEFECT000663676		
Technical Severity:	High	**Probability:**	High
Product:	Brocade SLX-OS	**Technology Group:**	Security
Reported In Release:	SLXOS 18x.1.00	**Technology:**	TACACS & TACACS+
Symptom:	Switch doesn't send Tacacs+ exec accounting message when AAA authentication is configured as "radius local".		
Condition:	Tacacs+ exec accounting doesn't work when AAA authentication method is configured as "radius local".		

Defect ID:	DEFECT000663739		
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:	IPv6 prefix routes installation is not done in BGP IPv6 VRF table for MPLS encap.		
Condition:	Same as above. Code changes to resolve MPLS nexthop is not present.		

Defect ID:	DEFECT000663838		
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:	Traffic loss is observed on MCT deployed setup.		
Condition:	Enabling and disabling "statistics" under the Vlans and Bridge-Domains which are part of MCT.		

Defect ID:	DEFECT000663879		
Technical Severity:	Medium	**Probability:**	High
Product:	Brocade SLX-OS	**Technology Group:**	Management
Reported In Release:	SLXOS 17r.1.01	**Technology:**	High Availability
Symptom:	some of the 72x10G or 40G ports were turned off after CLI command "ha failover" and won't come back on anymore		
Condition:	this symtom is fixed.		

Defect ID:	DEFECT000663894		
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:	Few MACs can be seen in Pending Authentication		
Condition:	With Stress and scale testing, sometimes admin can observe this		

Defect ID:	DEFECT000663904		
Technical Severity:	High	**Probability:**	High
Product:	Brocade SLX-OS	**Technology Group:**	Security
Reported In Release:	SLXOS 18r.1.00	**Technology:**	User Accounts & Passwords
Symptom:	Config-replay from a backup file will fail for rule cli commands.		
Condition:	If rules are configured and then config-replay from a backup config file happens. Config replay from database has no issue.		

Defect ID:	DEFECT000664250		
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:	A few MAC leaning failed because the staled MAC entries left in HW.		
Condition:	The issue might be seen in scaling system. After the system image upgrade, replay the MCT configuration with traffic running, then the issue might be seen.		
Workaround:	Stop traffic while replay the configuration; Start traffic after system configuration is completed; then the issue can be avoided.		
Recovery:	Run CLI command "clear mac-address-table dynamic..." may recover the issue.		

Defect ID:	DEFECT000664753		
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 changing configuration that disrupts the ICL between leaf nodes in a management cluster.		
Condition:	A configuration change which disrupts the ICL between leaf nodes in a management cluster.		

Defect ID:	DEFECT000664838		
Technical Severity:	High	**Probability:**	High
Product:	Brocade SLX-OS	**Technology Group:**	Management
Reported In Release:	SLXOS 18r.1.00	**Technology:**	NTP - Network Time Protocol
Symptom:	Customer will see Dcmd terminates when more than 1 NTP server is configured and removes one of them.		
Condition:	More than one NTP server configured. Dcmd termination while removing one of the server is fixed		

Closed without code changes 18r.1.00

This section lists software defects with Critical, High, and Medium Technical Severity closed with a code change as of **08/31/2018** in 18r.1.00.

Defect ID:	DEFECT000627194	**Technical Severity:**	High
Reason Code:	Not Reproducible	**Probability:**	Medium
Product:	Brocade SLX-OS	**Technology Group:**	Management
Reported In Release:	SLXOS 17s.1.00	**Technology:**	Configuration Fundamentals
Symptom:	Switch terminates while executing REST requests		
Condition:	This happens in a stressed out environment where the switch is pounded with the REST requests from multiple sources simultaneously for a long time.		

Defect ID:	DEFECT000639618	**Technical Severity:**	High
Reason Code:	Not Reproducible	**Probability:**	Medium
Product:	Brocade SLX-OS	**Technology Group:**	IP Multicast
Reported In Release:	SLXOS 17r.1.01	**Technology:**	PIM - Protocol-Independent Multicast
Symptom:	Traffic loss for non programmed flows.		
Condition:	LC reload is the trigger for this issue.		

Defect ID:	DEFECT000650998	**Technical Severity:**	High
Reason Code:	Will Not Fix	**Probability:**	High
Product:	Brocade SLX-OS	**Technology Group:**	Management
Reported In Release:	SLXOS 17r.2.00	**Technology:**	Configuration Fundamentals
Symptom:	User will experience MEP timeout in a highly scaled setup, With more than 7000 MEPs configured over VLL.		
Condition:	User will observe the issue if user has configured more than 7000 MEPs on both ends of the VLL service.		
Workaround:	User can spread the session acorss multiple Line cards in such scale scenarios.		

Defect ID:	DEFECT000651543	**Technical Severity:**	High
Reason Code:	Not Reproducible	**Probability:**	High
Product:	Brocade SLX-OS	**Technology Group:**	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 17r.1.01	**Technology:**	ARP - Address Resolution Protocol
Symptom:	mpls tunnels could be programmed as DOWN in LC after multiple HA failovers		
Condition:	mpls tunnels could be programmed as DOWN in LC after multiple HA failovers		

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

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

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

Defect ID:	DEFECT000653869	**Technical Severity:**	Medium
Reason Code:	Will Not Fix	**Probability:**	High
Product:	Brocade SLX-OS	**Technology Group:**	Layer 2 Switching
Reported In Release:	SLXOS 17r.2.00	**Technology:**	VLAN - Virtual LAN
Symptom:	The command "show bridge-domain <id> logical-interface" will show more information than is required for some field.		
Condition:	The FLAG value in the o/p is greater than 0x7, in the output of the command, "show bridge-domain <id> logical-interface".		

Defect ID:	DEFECT000653893	**Technical Severity:**	High
Reason Code:	Not Reproducible	**Probability:**	Medium
Product:	Brocade SLX-OS	**Technology Group:**	Layer 2 Switching
Reported In Release:	SLXOS 17r.2.00	**Technology:**	MCT - Multi-Chassis Trunking
Symptom:	Unlikely unexpected reload of switch due to termination of vrrpd when switch is reloaded with VRRPE config		
Condition:	Termination of vrrpd can happen under unlikely scenarios when VRRPE configuration is present on the switch and switch is reloaded.		

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

Defect ID:	DEFECT000655266	**Technical Severity:**	High
Reason Code:	Not Reproducible	**Probability:**	High
Product:	Brocade SLX-OS	**Technology Group:**	Layer 2 Switching
Reported In Release:	SLXOS 17r.2.00	**Technology:**	MCT - Multi-Chassis Trunking
Symptom:	After cluster split/join, there is a possibility of VXLAN tunnels having inconsistent tunnel id (for a given tunnel destination) across the 2 nodes of the cluster.		
Condition:	Cluster split/join.		
Workaround:	Deletion and recreation of the overlay-gateway		

Defect ID:	DEFECT000655278	**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:**	BGP4 - IPv4 Border Gateway Protocol
Symptom:	Vxlan Tunnels take longer time to come up.		
Condition:	When VLAN-VNI mapping is deleted and re-configured.		
Recovery:	clear bgp epvn neighbor soft <i n | out>		

Defect ID:	DEFECT000656624	**Technical Severity:**	High
Reason Code:	Not Reproducible	**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:	Sometime HOST move is not detected.		
Condition:	When host is moved frequently.		
Recovery:	Clear mac table should recover from this state.		

Defect ID:	DEFECT000656825	**Technical Severity:**	High
Reason Code:	Not Reproducible	**Probability:**	High
Product:	Brocade SLX-OS	**Technology Group:**	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 17r.2.00	**Technology:**	OSPF - IPv4 Open Shortest Path First
Symptom:	OSPF adjacency flaps after configuring OSPF area range & OSPF summary-address in 100k routes scale scenario		
Condition:	OSPF adjacency is FULL with 50k Intra Area routes and 50k external routes		

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

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

Defect ID:	DEFECT000657538	**Technical Severity:**	High
Reason Code:	Not Reproducible	**Probability:**	High
Product:	Brocade SLX-OS	**Technology Group:**	Layer 3 Routing/Network Layer
Reported In Release:	SLXOS 17r.2.00	**Technology:**	OSPF - IPv4 Open Shortest Path First
Symptom:	Traffic loss is seen after HA failover, even when OSPF Graceful restart is enabled.		
Condition:	OSPF Graceful restart is enabled & Adjacency is FULL with the neighbor.		

Defect ID:	DEFECT000657687	**Technical Severity:**	High
Reason Code:	Not Reproducible	**Probability:**	High
Product:	Brocade SLX-OS	**Technology Group:**	Layer 2 Switching
Reported In Release:	SLXOS 17r.2.00	**Technology:**	VXLAN - Virtual Extensible LAN
Symptom:	Mac learning bridge domain interface from remote leaf node is delayed.		
Condition:	Timing condition that can be observed on mac's learned on a bridge domain in logical VTEP topology		
Recovery:	clear the mac in the node issue is seen and allow to relearn it again		

Defect ID:	DEFECT000657753	**Technical Severity:**	High
Reason Code:	Not Reproducible	**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 drop over the EVPN Pseudo wires.		
Condition:	Reloading the line card when MCT cluster is up		

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

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

Defect ID:	DEFECT000658164	**Technical Severity:**	High
Reason Code:	Not Reproducible	**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 VPLS Traffic will dropped over MCT link		
Condition:	With High EVPN vlan range, Reloading of the MCT peer with EVPN configuration will rarely cause this issue		
Recovery:	clear ip bgp neighbors <peer-ip>		

Defect ID:	DEFECT000658661	**Technical Severity:**	High
Reason Code:	Not Reproducible	**Probability:**	High
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 MAC routes missing when BGP neighborship is changed form V4 to V6.		
Condition:	BGP neighborship is changed from V4 to V6		
Recovery:	Clear bgp epvn neighbor all		

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

Defect ID:	DEFECT000659662	**Technical Severity:**	Medium
Reason Code:	Not Reproducible	**Probability:**	High
Product:	Brocade SLX-OS	**Technology Group:**	Layer 2 Switching
Reported In Release:	SLXOS 17r.2.01	**Technology:**	MCT - Multi-Chassis Trunking
Symptom:	Client Pseudo wire stays down once router comes back up after reload		
Condition:	Router reload		
Workaround:	Undeploy and deploy the MCT. -> "no deploy" followed by "deploy" under client-pw		

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

Defect ID:	DEFECT000660020	**Technical Severity:**	High
Reason Code:	Will Not Fix	**Probability:**	High
Product:	Brocade SLX-OS	**Technology Group:**	Management
Reported In Release:	SLXOS 17r.2.01	**Technology:**	Configuration Fundamentals
Symptom:	User may observe traffic drop in a flooding domain for very short time, approx 200 pkt.		
Condition:	When bridge domain is part of MCT and a peer is removed and added to a bridge domain.		

Defect ID:	DEFECT000660084	**Technical Severity:**	High
Reason Code:	Not Reproducible	**Probability:**	High
Product:	Brocade SLX-OS	**Technology Group:**	Layer 2 Switching
Reported In Release:	SLXOS 17r.2.01	**Technology:**	VXLAN - Virtual Extensible LAN
Symptom:	MGID membership goes wrong sometime cause the BUM is flooded by non-DF nodes when tunnel is flapped.		
Condition:	MGID membership goes wrong sometime cause the BUM is flooded by non-DF nodes when tunnel is flapped.		

Defect ID:	DEFECT000660103	**Technical Severity:**	Medium
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:	For a non-MCT node, the remote PW preferential status may have a different value than the actual remote node status.		
Condition:	For a non-MCT VPLS peer, irrespective of the remote role, the PW will get programmed in the hardware. From forwarding perspective, it will not have any impact on the traffic forwarding.		
Workaround:	Ignore the remote PW preferential status if the local node is non-mct.		

Defect ID:	DEFECT000660301	**Technical Severity:**	High
Reason Code:	Not Reproducible	**Probability:**	High
Product:	Brocade SLX-OS	**Technology Group:**	Management
Reported In Release:	SLXOS 17r.2.01	**Technology:**	Software Installation & Upgrade
Symptom:	Sometimes after firmware upgrade 72x10G linecard stays in LOADING state for 25-30 mins and then eventually faults. The software auto-recovery logic power cycles the line card to recover it.		
Condition:	Firmware upgrade on 72x10G linecard.		
Recovery:	The software auto-recovery logic automatically power cycles the line card to recover it.		

Defect ID:	DEFECT000660326	**Technical Severity:**	High
Reason Code:	Not Reproducible	**Probability:**	High
Product:	Brocade SLX-OS	**Technology Group:**	Layer 2 Switching
Reported In Release:	SLXOS 17r.2.01	**Technology:**	MCT - Multi-Chassis Trunking
Symptom:	Layer 3 traffic drops over MCT link		
Condition:	After HA failover, remove and add EVPN configuration will intermittently cause Layer 3 traffic to drop over MCT		
Recovery:	Clear mpls lsp will resolve the issue. Clear mpls lsp all		

Defect ID:	DEFECT000660511	**Technical Severity:**	High
Reason Code:	Not Reproducible	**Probability:**	High
Product:	Brocade SLX-OS	**Technology Group:**	Layer 2 Switching
Reported In Release:	SLXOS 17r.2.01	**Technology:**	MCT - Multi-Chassis Trunking
Symptom:	Traffic is flooded on the VLAN mapped to MCT cluster		
Condition:	In scaled MCT setup when line card is reloaded the database sync-up between MAC manager component is incomplete and affects MAC learning.		
Recovery:	Reload the line card once again to allow database sync to complete.		

Defect ID:	DEFECT000660584	**Technical Severity:**	High
Reason Code:	Not Reproducible	**Probability:**	High
Product:	Brocade SLX-OS	**Technology Group:**	Layer 2 Switching
Reported In Release:	SLXOS 17r.2.01	**Technology:**	MCT - Multi-Chassis Trunking
Symptom:	Unexpected reload of the system.		
Condition:	High availability fail-over of MM.		

Defect ID:	DEFECT000660609	**Technical Severity:**	High
Reason Code:	Not Reproducible	**Probability:**	Medium
Product:	Brocade SLX-OS	**Technology Group:**	MPLS
Reported In Release:	SLXOS 17r.2.01	**Technology:**	MPLS VLL - Virtual Leased Line
Symptom:	MPLS daemon restarted due to software fault.		
Condition:	The TPID of the port-channel interface where 4000 VE interfaces was configured.		

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

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

Defect ID:	DEFECT000660831	**Technical Severity:**	High
Reason Code:	Not Reproducible	**Probability:**	Low
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:	Linecard (36x100) goes out of Memory and reboots		
Condition:	Continuos BGP session flaps for a long time using a script on a system with Scaled routes(1 M)		

Defect ID:	DEFECT000660921	**Technical Severity:**	High
Reason Code:	Not Reproducible	**Probability:**	Low
Product:	Brocade SLX-OS	**Technology Group:**	IP Multicast
Reported In Release:	SLXOS 17r.2.01	**Technology:**	PIM - Protocol-Independent Multicast
Symptom:	After line card reload, the out going interface will be deleted from the entry and it shows as number of OIFs as ZERO.		
Condition:	1. This issue can be seen when a port-channel has member ports from multiple line cards and 2. This port channel should be bound to a VE interface which is out going interface of PIM entry and 3. One of the mentioned line card is reloaded.		
Recovery:	Clear the affected PIM entry using "clear ip pim mcache"		

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

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

Known issues 18r.1.00

This section lists software defects with Critical, High, and Medium Technical Severity closed with a code change as of **08/31/2018** in 18r.1.00.

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:	With More then or equal to 24k mache entries the entries keeps fluctuating by number. with ~20k entries this issue will not be observed. As expected traffic loss might occur due to this for some SG entries.		
Condition:	This happens only when there are more then 20k mache entries.		

Defect ID:	DEFECT000639074		
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:	In case of vpls scenario, packets may egress out on the PW uplink as corrupted, without an mpls label.		
Condition:	When a large no of PW are configured, packets on some PW may egress out corrupted if the underlying interface is either vlan untagged or router port. This will happen when protected path configured as strict, while vpls traffic is riding on bypass path.		
Workaround:	Using vlan tagged port for the PW underlying interface would resolve the issue.		

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:	User may observe traffic drop 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:	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:	Appears to be no method to clear SNMP statistics and no config option to allow "clear counters all" to clear SNMP stats or not (like the NI "snmp-server preserve-statistics" command)		
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:	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:	DEFECT000652176		
Technical Severity:	Medium	**Probability:**	High
Product:	Brocade SLX-OS	**Technology Group:**	Layer 2 Switching
Reported In Release:	SLXOS 17r.2.00	**Technology:**	VLAN - Virtual LAN
Symptom:	Happens while creating large number of VLAN.		
Condition:	It is by design, when we create multiple VLAN, we create them in batch, hence we get more than one syslogs. hostname comes when creating/deleting vlan only, no impacts due to this defect		

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:	User would observe MCT Client LAG interface goes online state on SLX switch which connected to MLX switch.		
Condition:	SLX switch configured with MCT Client LAG Interface with different client ID both MCT peer switches. Note: LACP protocol on MCT LAG interface.		
Workaround:	It is negative test case. User not suppose to configure different client-id on both MCT peer nodes. Keep same client-id for MCT Client LAG inteface on both MCT peer nodes		

Defect ID:	DEFECT000654558		
Technical Severity:	High	**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:	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:	DEFECT000656016		
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:	Daemon bgpd would terminate and restart on HA even with BGP process restart configured		
Condition:	Significant routing configuration changes are made to observe the problem		

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:	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:	User may observe that IS-IS utilizes 2.5% of system memory		
Condition:	User may observe this when IS-IS process comes up		

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:	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:	If user tries to change the switch mode to trunk-no-default-native and vlan mode of logical interface from tagged to untagged without removing the tagged vlan configuration from logical interface and associate back to the same bridge-domain will fail.		
Workaround:	The user should delete the tagged vlan configuration under the logical interface and delete the logical interface before changing the switch mode and vlan mode.		
Recovery:	Delete the logical interface and bridge domain configuration and re-configure.		

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:	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 fist 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:	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 through put.		
Workaround:	Augment performance with additional interfaces as required.		

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:	Traffic drop and user may experience LSP down in hardware.		
Condition:	In case of very huge scale of LSP and a bypass LSP tunnel is used by multiple LSPs as secondary path. User does "clear lsp all" multiple times.		

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

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 dfifferent from order under 'address-family ipv4 unicast ' , when customer execute " 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:	DEFECT000659856		
Technical Severity:	High	**Probability:**	High
Product:	Brocade SLX-OS	**Technology Group:**	Management
Reported In Release:	SLXOS 17r.2.01	**Technology:**	High Availability
Symptom:	Loss of traffic for 275 seconds between MCT peers, when ve is disabled.		
Condition:	In some topologies, when the outgoing ve link for an LSP is disabled at ingress, the LSP is not able to route around the failure until the RSVP state downstream times out.		

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:	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:	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:	DEFECT000661016		
Technical Severity:	High	**Probability:**	High
Product:	Brocade SLX-OS	**Technology Group:**	Security
Reported In Release:	SLXOS 18r.1.00	**Technology:**	ACLs - Access Control Lists
Symptom:	Additional ACL hardware entries programmed on ports which are not member of Bridge Domain. Functionality is not impacted only more hardware entries used.		
Condition:	Binding L3 ACL on Bridge Domain.		

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:	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:	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:	DEFECT000661129		
Technical Severity:	Medium	**Probability:**	High
Product:	Brocade SLX-OS	**Technology Group:**	Management
Reported In Release:	SLXOS 18r.1.00	**Technology:**	Configuration Fundamentals
Symptom:	At times, following VRRP debug messages will be displayed on the oncole: VRRP: in vrrp_sr_notify, evt: 16391 VRRP_FABRIC_READY : 0 VRRP: fabric ready received is_vrrp_cold_recover : 1 VRRP: Reset hold timer for all sessions These are normal operations and shouldn't cause a concern.		
Condition:	Messages are seen at boot up time		

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:	With "clear loop-detection" multiple times execution BFD may flap..		
Condition:	We tried last time multiple attempts to clear loop to stress out but could not able to reproduce issue; doing multiple attempt of "clear loop-detection" is also unlikely scenario for customer.		
Workaround:	It is not recommended to perform "clear loop-detection" multiple times that may result in BFD flap.		

Defect ID:	DEFECT000661571		
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:	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:	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:	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:	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 inverfaces associated with VE interface.		
Workaround:	Make sure we have one online interface associated to VE interface before reload.		

Defect ID:	DEFECT000661828		
Technical Severity:	Medium	**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:	DEFECT000662058		
Technical Severity:	Medium	**Probability:**	High
Product:	Brocade SLX-OS	**Technology Group:**	Management
Reported In Release:	SLXOS 18r.1.00	**Technology:**	Configuration Fundamentals
Symptom:	LACP LAG interface does not display the reason for LAG down when minimum links criteria not met on SLX switch It is interoperable issue between SLX to MLX.switches.		
Condition:	When the LAG members are made administratively down on remote switch (MLX) against LACP LAG minimum link configured on SLX.		

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:	DEFECT000662181		
Technical Severity:	Medium	**Probability:**	High
Product:	Brocade SLX-OS	**Technology Group:**	Management
Reported In Release:	SLXOS 18r.1.00	**Technology:**	High Availability
Symptom:	Bridge Domain statistics will not displayed though the configuration has statistics enabled in hardware profile "counter-profile-1". It doesn't have any functionality impact.		
Condition:	Enable statistics under Bridge Domain in default profile and reload box by changing the hardware profile to "counter-profile-1"		
Workaround:	Display issue and no service impact.		

Defect ID:	DEFECT000662335		
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:	NHID is created with local VTEP.		
Condition:	This is internal design issue, no functionality impact.		
Workaround:	No work around need.		

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:	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:	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:	DEFECT000662410		
Technical Severity:	High	**Probability:**	High
Product:	Brocade SLX-OS	**Technology Group:**	Management
Reported In Release:	SLXOS 18r.1.00	**Technology:**	Configuration Fundamentals
Symptom:	VLL data traffic between 2-node MCT cluster is disrupted when VPLS instances are deleted on one node.		
Condition:	Unrelated data traffic lost.		

Defect ID:	DEFECT000662432		
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:	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:	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:	DEFECT000662698		
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:	OSPF stays in INIT state		
Condition:	Reload both MCT nodes when scale number is high		

Defect ID:	DEFECT000662739		
Technical Severity:	Medium	**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:	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:	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:	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.		

Defect ID:	DEFECT000663241		
Technical Severity:	Medium	**Probability:**	High
Product:	Brocade SLX-OS	**Technology Group:**	Management
Reported In Release:	SLXOS 18r.1.00	**Technology:**	Configuration Fundamentals
Symptom:	CCR MAC shows under the local MAC count		
Condition:	CCR MACs synced from the peer using BGP-EVPN control plane on MCT node		

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:**	Medium
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:	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:	If the L3MTU value configured is not matching the provided three profile values (1300, 1500, 9194), customer can expect packet getting fragmented even the packet MTU is below the customer configured value		
Condition:	This issue happens only when customer uses the MTU other than the supported 3 MTU values (1300, 1500, 9194)		
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:	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:	DEFECT000663523		
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:	CCEP physical main interface shows admin down state even though interface is UP		
Condition:	Adding interface as client interface under cluster		
Workaround:	perform no deploy/deploy under client		

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 very slowly.		
Condition:	When there exist very high rate traffic and very low rate traffic together.		

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:	DEFECT000663929		
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:	This issue is seen with Multi-Hop ICL MCT topology and reloading inter-node router and HA Failover multiple times.		
Condition:	With this topology and also combination of Reload and HA Failover, some OSPF session will go down on the MCT nodes and also the MCT cluster will go down.		
Workaround:	Identify the VE interfaces that are between MCT nodes and then on the inter-node MCT router, clear ARP entry for that IP address. Enter the following command after figuring out the Remote IP address on the MCT nodes as following : "clear arp ip 1.2.3.4 no-refresh" During failure, this command was executed and all OSPF session came up and also Cluster state and ll its clients came up. Second work around could be shut & no shut command on the VE interface on the Inter-node Router.		

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 lSP configuration has to be present		
Workaround:	Changing the MPLS interface to tagged VE		

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:	Customer will experience 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:	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:	DEFECT000664212		
Technical Severity:	Medium	**Probability:**	High
Product:	Brocade SLX-OS	**Technology Group:**	Management
Reported In Release:	SLXOS 18r.1.00	**Technology:**	Configuration Fundamentals
Symptom:	"show mpls statistics tunnel rsvp destination " output is not clear. some fields are missing or messed up into other.		
Condition:	When this command is executed from console session, output may not be clear. The root cause is still unknown.		
Workaround:	Use telnet session to see the output of this command		
Recovery:	There is no side effect of this issue		

Defect ID:	DEFECT000664309		
Technical Severity:	High	**Probability:**	Medium
Product:	Brocade SLX-OS	**Technology Group:**	MPLS
Reported In Release:	SLXOS 18r.1.00	**Technology:**	MPLS VLL - Virtual Leased Line
Symptom:	VLL MACs will get learned incorrectly on VPLS BDs		
Condition:	Removing VLL peers will occasionally results VLL traffic MAC addresses to learn on wrong VPLS BDs		
Recovery:	Clear mac will delete the wrongly learned mac.		

Defect ID:	DEFECT000664356		
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:	When bpdu-block is enabled, LACP is enabled on the port and STP packets are sent only in that case we see the mac learning. This has no functional issue.		
Condition:	This has no functional issue and seen in a specific condition. This will not cause any mis-forwarding or any functional issue.		
Workaround:	Disabling STP on remote link will recover this issue.		

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:	DEFECT000664545		
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:	MCT Tunnel client remote state show down		
Condition:	"clear bgp evpn neighbor" on spine on large scale in terms of EVPN VLAN/BD, client triggers this issue.		

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:	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:	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:	DEFECT000664627		
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:	Prefix routes are not installed.		
Condition:	Prefix route sources are from MCT (IBGP) and non-MCT (EBGP) peer. When MPLS tunnel is brought down and IP reach ability is available. The prefix route from NON-MCT peers are not installed.		
Workaround:	Shutdown the MCT Peer,there should not be any functionality impact as ICL down is down.		
Recovery:	Shutdown the MCT Peer,there should not be any functionality impact as ICL down is down.		

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:**	High
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:	Switch was terminated.		
Condition:	With stress and scaled endpoint enabled scenarios if admin does clear mac-address-table multiple times		

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:	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:	DEFECT000664787		
Technical Severity:	High	**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:	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:	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:	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:	DEFECT000664821		
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:	1. LIF HW programming error messages shown on LP Console. 2. Traffic associated with the HW programming error LIFs will be dropped.		
Condition:	When the number of MCT LIF configured exceeds HW resource at a scaled configuration environment. The exact threadshold depends on other feature that may also be using the same EED HW resource.		

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:	DEFECT000664840		
Technical Severity:	Medium	**Probability:**	High
Product:	Brocade SLX-OS	**Technology Group:**	Monitoring
Reported In Release:	SLXOS 18r.1.00	**Technology:**	Syslog
Symptom:	The VLAN id displayed in logs is the port default VLAN ID which is not matching with the VLAN ID in the packet		
Condition:	When interface is dual tagged and traffic coming on interface is single tagged traffic.		

Defect ID:	DEFECT000664849		
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:	Syslog messages are received with source IP as Chassis IP instead of the in-band. if we have chassis IP configured in the device.		
Condition:	Bring up the device and configure chassis IP. Configure in-band configuration through MGMT-VRF. Configure syslog server with in-band IP.		

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:	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:	We may experience little delay while collecting SupportSave which is internal to system.		
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:	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:	DEFECT000664982		
Technical Severity:	Critical	**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:	BGP terminates unexpectedly while configure/modifying prefix-list, applied to IPv6 peer.		
Condition:	BGP terminates unexpectedly while configure/modifying prefix-list, applied to IPv6 peer.		
Workaround:	Perform the reload system, if process restart is configured.		
Recovery:	Perform the reload system, if process restart is configured.		

Defect ID:	DEFECT000664985		
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, I am seeing DF discrepancy where is being elected in both the nodes for some of the VLANs and BD.		
Condition:	Seen on high VLAN/BD scale setup after executing multiple BGP EVPN clear command		
Recovery:	Remove and re-add VLAN under EVPN on both nodes		

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:	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:	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:	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		
Condition:	Sometimes, we don't generate unique keys used to created 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, user might observe that the cluster gateway MAC Address is not correctly programmed in the Hardware . It will not have any impact to the traffic or have any visible functional issue.		
Condition:	Customer will observe this while using IP Fabric with BGP-EVPN		
Recovery:	execute the below CLI commands in the following order : no evpn irb ve <ve-id> evpn irb ve <ve-id> cluster-gateway		

Defect ID:	DEFECT000665171		
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:	FFDC files get generated.		
Condition:	FFDC gets generated on LC		

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:	DEFECT000665183		
Technical Severity:	Low	**Probability:**	Low
Product:	Brocade SLX-OS	**Technology Group:**	Monitoring
Reported In Release:	SLXOS 18r.1.00	**Technology:**	Hardware Monitoring
Symptom:	Customer may see some bogus error messages as: "lc faulty on slot ....." after issue "reload system powercycle".		
Condition:	It is timing related. Sometimes it will happen.		
Workaround:	No work-around needed as it doesn't affect functionality.		

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.1.00	**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:	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:	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:	DEFECT000665357		
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:	Some authenticated macs may show as authenticate via Radius even though they are authenticated via fail open		
Condition:	switch is stressed to maximum supported authenticated macs and VLAN.		

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:	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:	DEFECT000665424		
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 BD learned unknown MAC addresses from remote peer		
Condition:	This issue will be seen intermittently when HA failover trigerred after MPLS core uplink flap		
Recovery:	Clear wrongly learned MAC address to resolve the issue.		

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 trigged 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.		