February 2019

Extreme®
Connect Beyond the Network

SLX-OS 17r.2.00 for SLX 9850 and SLX 9540

Release Notes v2.0

Contents

Document history

Version	Summary of changes	Publication date
2.0	Updated upgrade/downgrade considerations	February 2019
1.0	Initial Release	December 20, 2017

Preface

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As a Brocade customer, you can contact Brocade Technical Support 24x7 online or by telephone. Brocade OEM customers should contact their OEM/solution provider.

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Overview

SLX-OS 17r.2.00 supports a number of software features and capabilities enabling the following use cases:

A. Border Routing use case: Border Routing PIN is introduced on SLX 9850 and SLX 9540 routers. BGP RIB scale is increased to receive multiple feeds and FIB scale is increased to hold a full internet table.

B. L2 Exchange architecture: Load-balancing enhancements are supported for SLX 9850 and SLX 9540 to enable better transit load-balancing performance. Flow-label support and PWE Control-word insertion features introduced assist with transit load-balancing as well.

C. Network Packet Broker use case has new additions in the form of header-stripping (VN-tag, 802.1br, VXLAN) and Flex ACL features for SLX 9850

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

New SKUs

No new SKUs are introduced in this release.

Behavior changes

Behavior changes in release 17r.2.00

The following system behaviors have changed in this release:

- Special firmware upgrade option is required to upgrade from previous releases which is 32-bit OS to 64-bit OS. See "Upgrade" section for more details.

- Enhanced the reload command
  - Reload will reboot the VMs in both MMs in a chassis system (it initiated cold failover before).
  - Reload standby [system] – the system option is new. If "system" is specified, it will reboot both the host and VM in the standby MM.
  - Reload system [powercycle] – the powercycle is new. If "powercycle" is specified, it will reset the system FPGA.
- REST - GET query on top level URI - /rest/operational-state is blocked in SLXOS17r.2.00 release
- RADIUS source interface will be supported only under management-vrf context. When source interface config is specified under default-vrf or user defined vrf context, it will be ignored and fall back to the default behavior. The default behavior is: for RADIUS requests, the source-IP in the IP header is set to same as the interface IP address through which interface the RADIUS request packets exit the SLX device.

- NETCONF and REST/RESTCONF request logging is now enabled by default

- The below MPLS speculation CLI commands are not supported in "Layer-2 Optimized" cam profile as it is not compatible with MPLS transit advanced load balancing feature introduced in this release.
  - lag hash speculate-mpls inner-eth
  - lag hash speculate-mpls inner-ip-raw
  - lag hash speculate-mpls inner-ip-tag
  - lag hash speculate-mpls inner-ipv6-raw
  - lag hash speculate-mpls inner-ipv6-tag
- Following features are not supported in "Layer-2 Optimized" cam profile.
  - L3 control protocols over MCT
  - CFM ingress trapping over VPLS/VLL
  - VXLAN Logical VTEP
  - Loop detection protocol
- MAC : Default age time out was increased from 5 mins to 30 mins
- ARP : Default age time out was reduced from 4Hrs to 25 mins.

- MCT configuration is changed in this release.
  - Cluster member VLAN/Bridge-domain command is deprecated
  - BGP EVPN VLAN/Bridge-domain command is required
  - RD/RT for each EVPN VLAN/Bridge-domain is configurable under BGP EVPN
- VPLS/VLL raw pass-through VC mode: Starting this release, if untagged end points are used with this feature, TPID value will not be automatically set to 0x9100. Users should explicitly configure it.
- VXLAN L2 Gateway: Inner L2 packets will be sent out as untagged always regardless if original L2 packet is untagged or tagged. In previous release, if the original packet is tagged, after encapsulation into VXLAN packet, inner packet is tagged; otherwise it is untagged.
- To enable BGP routes redistribution in non-default-VRF, users need to configure 'vrf-lite-capability' under '[ipv6] router ospf vrf <vrf-name>'. This was enabled by default in SLXOS 17r.1.00.
- A warning message is added when enabling BGP process restart if BGP EVPN neighbor is configured & vice versa.
- 802.1ag changes
  - Specifying Domain ID is mandatory from SLXOS17r.2.00 release while configuring domain. It was not mandatory in 17r.1.00 and earlier releases.
  - When downloaded from external file, CFM configuration would be present after the interface and mpls configuration in the running configuration from SLXOS17r.2.00 release. In earlier releases, CFM configuration is present before interface running configuration.

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

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

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

  - When downloaded from external file, CFM configuration would be present after the interface and mpls configuration in the running configuration from SLXOS 17r.2.00 release. In earlier releases, CFM configuration is present before interface running configuration.
  - From SLXOS17r.2.00 release, CFM Maintenance Association with service as bridge domain would not be allowed to be created when the underlying bridge domain is not present. It was allowed in 17r.1.00 and earlier releases.

Software Features

New software features

The following software features are new in this release:

System Enhancements

- Starting with 17r.2.00, SLX-OS will be run as a 64-bit Linux-based OS to allow for larger scales applications and easier third party software integrations in the future releases
- 64-bit Full Install: New command to allow upgrade or firmware download between 32-bit OS and 64-bit OS software.
- Reload Enhancements: reload command is enhanced with a CLI option "powercycle" to power cycle the entire device for SLX-9850 or SLX-9540, thereby providing the capability to remotely power cycling the device or upgrading sysfpga or CPLD.
- Write Erase: a command allowing user to erase all configurations and bring it to factory default state.

- Packet Processor HW Resource Monitoring: Network Packet Processor HW resources (CAM, LEM, LPM) are monitored when the hardware tables are becoming fully utilized.
- Low CAM Resource Alert: raslog is generated when available CAM resource is lower than 20%.
- TCAM sharing (beta only): Under supported TCAM profiles, you can enable sharing of TCAM resources for each security ACL or PBR ACL applied to multiple ports.

- Platform Optical Temperature Monitoring (Supported with SLX-9540 only): temperature of QSFP optics is monitored and RASLOG if warning level is reached, fans is set to HIGH speed; if it's a critical temperature, optics is put at reset stage.
- Link level flow control (LLFC) enhancement: The generation of LLFC PAUSE frames, and displaying and clearing of PAUSE frame statistics is supported starting this release.
- Supportsave Enhancements: TM, SFM, CPU and TM packet statistics and command are added to supportsave. Entire register dumps of the PP/TM device are also saved in Supportsave. This will be helpful for offline debugging.

- CLI to configure L2 MTU & IP MTU globally using a single command

Internet Routes Scaling (OptiScale Routing)

- Routing Information Base (RIB) scale and Forwarding Information Base (FIB) scales are increased in this release to support internet peering on SLX 9540 as border router PIN. Full internet FIB can be stored with hardware-based forwarding for all IPv4 and IPv6 prefixes learned from BGP. Number of BGP RIB-in and RIB-out and number of BGP peer sessions are substantially increased in this release to support internet peering.
- BGP additional-paths: Support for the advertisement of multiple paths for the same prefix (without the new paths implicitly replacing the previous paths).
- BGP best-external route: Support for the advertisement of the best external route, which is the most preferred route among those received from external neighbors.

L2 Exchange Enhancements

- Pseudowire (PW) control word and flow label: PW control word and PW flow label are mechanisms that improve Multi-Protocol Label Switched packet switched network (MPLS PSN) LSR load-balancing
- MPLS transit load balancing: MPLS transit load balancing provides support for SLX-OS MPLS packet load balancing based on the inner headers when the Layer 2 optimized TCAM profile configuration is activated.
- With MAC / IPv4 acl with log option generate raslog

Static VXLAN Enhancements

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

Network Packet Broker Enhancements

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

Guest VM/Insight Architecture Enhancement

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

Manageability Enhancements:

- TACACS+ command authorization
- New SNMP MIBs:
    - IEEE8021-CFM-MIB, IEEE8021-CFM-V2-MIB
    - Proprietary Brocade-L2-ACL-MIB
    - Y.1731 MIB (MEF-SOAM-PM-MIB)
- RESTCONF support for PUT, PATCH, POST, DELETE methods
- Command "show running-config all" to include the default values of the command in the output
- NTP feature expanded to support server and peer mode, in addition to existing client mode
- Syslog enhancements to meet RFC-5424 compliance.
- sFlow agent ID field is now configurable and sFlow source interface configuration has "management" as one of the interface options.
- Package upgrades for various OSS to address vulnerabilities
- NETCONF and REST/RESTCONF request logging is now enabled by default.
- The Brocade SLX-OS RESTCONF guide and the Brocade SLX-OS Puppet's User guide are new publications introduced in the SLX-OS 17r.2.00 release:

    - The SLX RESTCONF feature supports all the operations such as GET, HEAD, OPTIONS, POST, PUT, PATCH, and DELETE method to retrieve the details about the configuration data, YANG schema, and the operational-state data.
    - The Brocade SLX-OS Puppet User's Guide provides information on the Guest virtual machine (TPVM) application, Puppet in the SLX-OS 17r.2.00. Puppet is a scripting language available from Puppet Labs that system administrators can use to automate configuration and management of a data center

BGP EVPN VXLAN-based IP Fabric and L2VNI with logical VTEP on SLX 9540 will be at Beta status in this release.

Other features

- Multicast over Bridge-Domain: IGMP (v1, v2, v3) snooping and PIM snooping, PIM-SM is supported on VE over Bridge-Domain.

- IGMP Snooping Over MCT

- 802.1ag Connectivity Fault Management (CFM) for VLL
- Y.1731 for VLL
- Routing over VPLS (VEoVPLS): Support for configuration of a Virtual Ethernet (VE) interface on a Virtual Private LAN Service (VPLS) instance for default and non-default VRF IPv4 and IPv6.

CLI commands

CLI commands

New commands

The following commands are new in this release:

- aaa authorization command
- add (Telemetry)
- additional-paths
- additional-paths select
- advertise-best-external
- clear ip arp suppression-cache
- clear ip arp suppression-statistics
- clear ipv6 nd suppression-cache
- clear ipv6 nd suppression-statistics
- clear logging raslog
- clear qos flowcontrol
- control-word
- default-ipv6-gateway
- disallow-oar-ac
- firmware peripheral-update cpld
- flow-label
- format RFC-5424
- interface (Telemetry)
- interval (Telemetry)
- loopback
- map vni auto
- match additional-paths advertise-set
- neighbor additional-paths
- neighbor additional-paths advertise
- neighbor additional-paths disable
- ntp authenticate
- ntp disable
- ntp master
- ntp peer
- ntp trusted keys
- profile route
- profile tcam cam-share
- profile tcam limit
- qos-ttl-mode
- seq (deny/permit rules in UDAs)
- sflow agent address
- show bgp evpn routes type

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

Modified commands

The following commands have been modified for this release:

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

Deprecated commands

The following commands have been deprecated beginning with this release:

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

RFCs and standards

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

[Brocade SLX 9850 Router Data Sheet](#)

[Brocade SLX 9540 Data Sheet](#)

Hardware support

Supported devices

The following devices are supported in this release:

Supported Hardware	Description
BR-SLX9850-4-BND-AC	Brocade 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	Brocade 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	Brocade 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	Brocade 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	Brocade SLX 9850 72-port 10GbE/1GbE (M) interface module with IPv4/IPv6/MPLS hardware support. Requires SFP+ optics for 10GbE connectivity and SFP optics for 1GbE connectivity. Supports 750K MAC, 256K IPv4 routes and 64K IPv6 routes
BR-SLX9850-100GX36CQ-M	BR SLX 9850 36-port 100GbE, 60-port 40GbE, or 240-port 10GbE flex-speed (M) interface module with IPv4/IPv6/MPLS hardware support. Requires QSFP28 optics for 100GbE, QSFP+ optics for 40GbE, and 40GbE to 10GbE breakout for 10GbE connectivity. Supports 750K MAC, 256K IPv4 routes and 64K IPv6 routes
BR-SLX9850-10GX72S-D	Brocade 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	Brocade 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	BR SLX 9850 12-port 100GbE, 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 (10GbE) connectivity. Supports 750K MAC,256K IPv4 & 64K IPv6 routes
BR-SLX9850-100GX6CQ-M-UPG	6x100G POD SW license to be used with SLX9850-100Gx12CQ-M 100G blade only
XBR-SLX9850-4-S	Brocade SLX9850 Spare 4-slot chassis
XBR-SLX9850-8-S	Brocade SLX9850 Spare 8-slot chassis
BR-SLX9850-MM	Brocade 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	Brocade SLX 9850 switch fabric module for 4-slot chassis
BR-SLX9850-8-SFM	Brocade SLX 9850 switch fabric module for 8-slot chassis
XBR-SLX9850-ACPWR-3000	Brocade SLX 9850 AC 3000W power supply for 4- and 8-slot chassis, 90-270V AC input
XBR-SLX9850-DCPWR-3000	Brocade SLX 9850 DC 3000W power supply for 4- and 8-slot chassis
XBR-SLX9850-4-FANM	Brocade SLX 9850 fan module for 4-slot chassis. Fan module has 2 fans
XBR-SLX9850-8-FANM	Brocade SLX 9850 fan module for 8-slot chassis. Fan module has 4 fans
XBR-SLX9850-4-CAB	Brocade SLX 9850 Cable Combo Kit for 4-slot chassis
XBR-SLX9850-8-CAB	Brocade SLX 9850 Cable Combo Kit for 8-slot chassis
XBR-SLX9850-4-SFMPNL	Brocade SLX 9850 switch fabric module blank panel for 4-slot chassis
XBR-SLX9850-8-SFMPNL	Brocade SLX 9850 switch fabric module blank panel for 8-slot chassis
XBR-SLX9850-PWRPNL	Brocade SLX 9850 power supply blank panel for 4-slot and 8-slot chassis

XBR-SLX9850-IMPNL	Brocade SLX 9850 interface module blank panel for 4-slot and 8-slot chassis
XBR-SLX9850-MMPNL	Brocade SLX 9850 management module blank panel for 4-slot and 8-slot chassis
XBR-SLX9850-4-4PRM-KIT	Brocade SLX 9850 four-post rack mounting kit for 4-slot chassis. Include 27-31" flush and recessed mounting
XBR-SLX9850-4-2PRM-KIT	Brocade SLX 9850 two-post rack mounting kit for 4-slot chassis. Include telco flush and midplane mounting
XBR-SLX9850-8-4PRM-KIT	Brocade SLX 9850 four-post rack mounting kit for 8-slot chassis. Include flush and recessed mounting
XBR-SLX9850-8-2PRM-KIT	Brocade SLX 9850 two-post rack mounting kit for 8-slot chassis. Include telco flush and midplane mounting
BR-SLX-9540-24S-AC-F	Brocade SLX 9540-24S Switch AC with Front to Back airflow. Supports 24x10GE/1GE + 24x1GE ports
BR-SLX-9540-24S-DC-F	Brocade SLX 9540-48S Switch DC with Front to Back airflow. Supports 48x10GE/1GE + 6x100GE/40GE
BR-SLX-9540-24S-AC-R	Brocade SLX 9540-24S Switch AC with Back to Front airflow. Supports 24x10GE/1GE + 24x1GE ports
BR-SLX-9540-24S-DC-R	Brocade SLX 9540-24S Switch DC with Back to Front airflow. Supports 24x10GE/1GE + 24x1GE ports
BR-SLX-9540-48S-AC-F	Brocade SLX 9540-48S Switch AC with Front to Back airflow. Supports 48x10GE/1GE + 6x100GE/40GE
BR-SLX-9540-48S-DC-F	Brocade SLX 9540-48S Switch DC with Front to Back airflow. Supports 48x10GE/1GE + 6x100GE/40GE
BR-SLX-9540-48S-AC-R	Brocade SLX 9540-48S Switch AC with Back to Front airflow. Supports 48x10GE/1GE + 6x100GE/40GE
BR-SLX-9540-48S-DC-R	Brocade 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	Advanced Feature License is needed for MPLS, VxLAN and 3rd Party VM support

Supported power supplies

- Brocade SLX 9850 AC 3000W power supply for 4- and 8-slot chassis, 90-270V AC input
- Brocade 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-SR-BIDI	40GE SR QSFP+ optic (LC), Bidirectional, 100m over OM3 MMF

40G-QSFP-LM4	40GBASE-LM4 QSFP+, 1310nm, 160m over duplex LC OM4 MMF, 2km over duplex LC SMF
40G-QSFP-SR4	40G QSFP+ SR4 TRANS 100M OVER MMF
40G-QSFP-SR4-INT	40G QSFP+ 100M OVER MMF 10G BREAKOUT
40G-QSFP-ESR4-INT	40G QSFP+ 300M OVER MMF 10G BREAKOUT
40G-QSFP-LR4	40G QSFP+ LR4 TRANS 10KM OVER SMF
40G-QSFP-QSFP-C-0101	40G QSFP+ TO QSFP+ ACTIVE COPPER 1M
40G-QSFP-QSFP-C-0301	40G QSFP+ TO QSFP+ ACTIVE COPPER 3M
40G-QSFP-QSFP-C-0501	40G QSFP+ TO QSFP+ ACTIVE COPPER 5M
40G-QSFP-QSFP-AOC-1001	40G QSFP+ to QSFP+ ACTIVE OPTICAL CABLE 10M
40G-QSFP-4SFP-C-0101	4X10GE QSFP+TO4SFP+ COPPER BREAKOUT 1M
40G-QSFP-4SFP-C-0301	4X10GE QSFP+TO4SFP+ COPPER BREAKOUT 3M
40G-QSFP-4SFP-C-0501	4X10GE QSFP+TO4SFP+ COPPER BREAKOUT 5M
40G-QSFP-4SFP-AOC-1001	4X10GE QSFP+TO4SFP+ Fiber BREAKOUT 10M
100G-QSFP28-CWDM4-2KM	100GBASE CWDM4 QSFP TRANS LC 2KM OVER SM
100G-QSFP28-SR4	100G QSFP28 SR4 TRANS 100M OVER MMF
100G-QSFP28-LR4L-2KM	100G QSFP28 LR4 LITE TRANS 2KM OVER SMF
100G-QSFP28-LR4-10KM	100G QSFP28 LR4 TRANS 10KM OVER SMF
100G-QSFP28-LR4-LP-10KM	100G QSFP28 LR4 LOWPOWER 2KM OVER SMF
100G-QSFP-QSFP-P-0101	100G QSFP Passive Direct Attach Copper Cable, 1M
100G-QSFP-QSFP-P-0301	100G QSFP Passive Direct Attach Copper Cable, 3M
100G-QSFP-QSFP-P-0501	100G QSFP Passive Direct Attach Copper Cable, 5M
100G-QSFP-QSFP-AOC-1001	100G QSFP Direct Attach Active Optical Cable, 10M
10G-SFPP-USR-E	10GE USR SFP+,HIGH RX SENSITIVITY
10G-SFPP-USR-8-E	10GE USR SFP+,HIGH RX SENSITIVITY (8-pack)
10G-SFP-USR-SA	10GE USR SFP+ OPTIC (LC),RANGE 100M MMF, TAA
10G-SFP-SR-S	10GBASE-SR, SFP+OPTIC(LC), 300M MMF, 70C
10G-SFP-LR-SA	10GBASE-LR, SFP+ OPTIC (LC),10KM OVERSMF, TAA, 70C
10G-SFP-BXU-S	10GE LR SFP+ OPTIC (LC) BIDIRECTIONAL UP
10G-SFP-BXD-S	10GE LR SFP+ OPTIC (LC) BIDIRECTIONAL DO
*Methode SP7051	Methode SP7051-BRCD SFP+ 10G-Base-T (10G speed only)
*Inphi IN-Q2AY2-XX	Inphi 100G QSFP-28 ColorZ DWDM (80km)

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

Software upgrade and downgrade

Image file names

Download the following images from www.mybrocade.com.

Image file name	Description
slxos17r.2.00.tar.gz	SLX-OS 17r.2.00 software
slxos17r.2.00_all_mibs.tar.gz	SLX-OS 17r.2.00 MIBS
slxos17r.2.00.md5	SLX-OS 17r.2.00 md5 checksum

Upgrade and downgrade considerations

Steps:

1. Upgrade to SLXOS 17r.1.01a or later releases
2. Save Configuration

   To save the config, run

   copy running-config startup-config

   or

   copy running-config <file>

3. Firmware download with "**fullinstal**l" option from source directory

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

4. System boots up with default-config. Re-apply the previous configuration

   copy flash://startup-config flash://temp-config

   copy flash://temp-config startup-config

   reload system

Upgrade/downgrade using netinstall through USB:

- User can perform firmware upgrade/downgrade between SLX-OS 17r.1.x and SLX-OS 17r.2.00 using netinstall through USB.

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.

- Upgrade from SLX 17r.1.01b to SLX-OS 17r.2.01a or later is supported via firmware download CLI with "fullinstall" option.
- USB based FWD upgrade from SLX-OS 17r.1.01a (32-bit) to SLX-OS 17r.2.01 (64-bit) or later is supported with "fullinstall" option.
- USB3.0 used for firmware download can be in VFAT or EXT4 format.

ZTP Behavior with firmware upgrade/downgrade:

- After any SLX-OS firmware netinstall, ZTP will be enabled by default.
- After firmware upgrade from SLXOS 17r.1.01a or later releases to SLX-OS 17r.2.00 release using firmware download CLI, ZTP will be disabled by default.
- After firmware downgrade from 17r.2.00 release to SLXOS 17r.1.01a or later releases using firmware download CLI, ZTP will be enabled by default.

- 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

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:
  o 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.

MCT

- MCT in 9850 is supported with limited scale in this release.
- MCT Auto-ESI configuration is supported with SLX 9540 only in this release.

☐ 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 to be enabled with internet peering configurations as qualified by Extreme
- Feature is supported with default VRF only. Default VRF and non-default VRF should not be co-existing when default VRF is configured with Internet routes scaling feature
- Supported with SLX 9540 only in this release

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

L2 Switching
- Tag-type command is only supported for user to configure the port intended to be used as part of the VPLS/VLL Raw Pass Through Mode with Untagged Logical Interface. Other usages are not supported.

MCT

- MCT in 9850 is supported with limited scale in this release.

The Brocade SLX 9540 supports "IP EVPN/VXLAN with logical VTEP for L2VNI" for beta testing purposes only.

In rare conditions after system image upgrade, the device may go into continuous reboots due to incompatibility of memory structures between the releases. To recover, power-cycle the device.

Closed with code changes 17r.2.00

This section lists software defects with Critical, High, and Medium Technical Severity closed with a code change as of **12/27/2017** in 17r.2.00.

Defect ID: DEFECT000599901	
Technical Severity: Medium	**Probability:** Low
Product: Brocade SLX-OS	**Technology Group:** SDN
Reported In Release: SLXOS 16r.1.00	**Technology:** OpenFlow
Symptom: In the OpenFlow message OFPST_TABLE reply message some of the fields - i.e. counters for number of packets lookup in table and the number of packets that hit table are 0.	
Condition: This happens when the OpenFlow controller sends a OFPST_TABLE request to the OpenFlow switch (SLX9850) and the switch replies with these two counters - i.e. number of packets lookup in table and the number of packets that hit table with 0 values.	

Defect ID: DEFECT000600383	
Technical Severity: High	**Probability:** Low
Product: Brocade SLX-OS	**Technology Group:** Layer 3 Routing/Network Layer
Reported In Release: SLXOS 16r.1.01	**Technology:** BGP4+ - IPv6 Border Gateway Protocol
Symptom: BGP aggregated IPv6 prefix route might not be programmed into hardware table.	
Condition: Route entry for aggregate prefix is not added into the RIB manager if redist static cmd is present in the IPv6 under BGP.	

Defect ID: DEFECT000607393	
Technical Severity: High	**Probability:** Medium
Product: Brocade SLX-OS	**Technology Group:** IP Multicast
Reported In Release: SLXOS 16r.1.00	**Technology:** PIM - Protocol-Independent Multicast
Symptom: customer may see wrong precedence order in config irrespective of whatever configured sequence.	
Condition: This specific config command needs to be changed to take priority along with precedence order. Right now whatever the configured precedence it is not communicated to back end in that order.	

Defect ID: DEFECT000607429	
Technical Severity: High	**Probability:** Low
Product: Brocade SLX-OS	**Technology Group:** SDN
Reported In Release: SLXOS 16r.1.00	**Technology:** OpenFlow
Symptom: Customer sees openflow interface DOWN via 'show openflow interface' command and therefore traffic not forwarded. However the underlying 'show interface status' may show the interface up.	
Condition: During multiple iterations of port mode from 40G to 100G to 40G, we can come to a state where the underlying interface command shows the interface up but that is not honored by the openflow module. It considers the interface down.	

Defect ID:	DEFECT000622070	
Technical Severity: High		**Probability:** Low
Product: Brocade SLX-OS		**Technology Group:** Monitoring
Reported In Release: SLXOS 16r.1.01		**Technology:** RAS - Reliability, Availability, and Serviceability
Symptom: Interface related RASLOG/syslog events do not have consistent naming format for interface name. Some report them with "port" prefix instead of "interface" and some report short name for interface (eth) instead of long name (Ethernet).		
Condition: Applicable for some of the physical interface related RASLOG/syslog events. For example, link is UP event.		
Workaround: Any external scripts looking for specific interface related events shall adopt to existing RASLOG format for that specific event.		

Defect ID:	DEFECT000629326	
Technical Severity: High		**Probability:** Low
Product: Brocade SLX-OS		**Technology Group:** Traffic Management
Reported In Release: SLXOS 17r.1.00		**Technology:** Rate Limiting and Shaping
Symptom: "Broadcast" & "Multicast" portion of BUM RL will not support stats in "Openflow-optimized-3" Tcam profile. Hence BUM RL features using stats like automatic shutdown will not work in this tcam profile.		
Condition: "Broadcast" & "Multicast" portion of BUM RL will not support stats in "Openflow-optimized-3" Tcam profile. Hence BUM RL features using stats like automatic shutdown will not work in this tcam profile.		

Defect ID:	DEFECT000630152	
Technical Severity: High		**Probability:** Low
Product: Brocade SLX-OS		**Technology Group:** Layer 3 Routing/Network Layer
Reported In Release: SLXOS 17r.1.00		**Technology:** BGP4+ - IPv6 Border Gateway Protocol
Symptom: When the command "aggregate-address <ipv6 prefix>" is removed, the route entry corresponding to that IPv6 BGP aggregation is still present in the IPv6 routing table and can be seen in the output of "show ipv6 route"		
Condition: IPv6 BGP aggregation should have been configured with command "aggregate-address <ipv6 prefix>" and the route entry corresponding to that aggregation is present in the IPv6 routing table and can be seen in the output of "show ipv6 route"		

Defect ID:	DEFECT000630861	
Technical Severity: High		**Probability:** Low
Product: Brocade SLX-OS		**Technology Group:** Management
Reported In Release: SLXOS 17r.1.00		**Technology:** Software Installation & Upgrade
Symptom: Line card went to faulty due to fibagt failure.		
Condition: This issue can happen when user will power off/on line card in quick succession multiple times. User can avoid this issue if they give a gap of 110 sec between each cycle of power off/on		
Workaround: power off LC and power on.		

Defect ID:	DEFECT000631502	
Technical Severity: Medium		**Probability:** Medium
Product: Brocade SLX-OS		**Technology Group:** Management
Reported In Release: SLXOS 17s.1.02		**Technology:** SNMP - Simple Network Management Protocol
Symptom: The objects tcpConnectionLocalAddress and tcpConnectionRemAddress which are INDICES to the table tcpConnectionTable show up in reverse order when queried as part of the objects in this table.		
Condition: This is limited to objects tcpConnectionLocalAddress and tcpConnectionRemAddress in the tcpConnectionTable		

Defect ID:	DEFECT000631504	
Technical Severity: High		**Probability:** Low
Product: Brocade SLX-OS		**Technology Group:** Layer 3 Routing/Network Layer
Reported In Release: SLXOS 17r.1.00		**Technology:** BGP4+ - IPv6 Border Gateway Protocol
Symptom: BGP aggregate ipv6 prefix route might not be programmed into hardware table.		
Condition: Route entry for aggregate prefix is not added into the RIB manager if only local ipv6 routes matches with aggregate routes present in the IPv6 under BGP and none of the remote learned ipv6 routes match with aggregate routes.		

Defect ID:	DEFECT000631831	
Technical Severity: High		**Probability:** High
Product: Brocade SLX-OS		**Technology Group:** IP Multicast
Reported In Release: SLXOS 17r.1.01		**Technology:** PIM - Protocol-Independent Multicast
Symptom: With RP unreachable some S G entries may continue to exist. clear of these entries will not take place.		
Condition: will happen with scaled number of mcache entries.		
Workaround: clear ip pim mc vrf <vriid> will clear these stale entries.		

Defect ID:	DEFECT000634317	
Technical Severity: High		**Probability:** Medium
Product: Brocade SLX-OS		**Technology Group:** Layer 2 Switching
Reported In Release: SLXOS 17r.1.00		**Technology:** MCT - Multi-Chassis Trunking
Symptom: Support save operation from SSH session takes long time to complete.		
Condition: Scaled MCT setup with active and standby MM		

Defect ID:	DEFECT000634493	
Technical Severity: Medium		**Probability:** Low
Product: Brocade SLX-OS		**Technology Group:** Layer 3 Routing/Network Layer
Reported In Release: SLXOS 17r.1.00		**Technology:** Multi-VRF
Symptom: CLI 'show ip route vrf <vrfname>' will show higher route count than the actual routes present. This issue arises whenever there are inter-vrf static route leak configuration is present and 'clear ip route vrf <vrfname>' is executed. With each 'clear' CLI, total count displayed by CLI 'show ip route vrf <vrfname>' will show a higher value.		
Condition: This issue will surface only with inter-vrf static route configuration. And since it is easily reproducible, it should be published to avoid confusion. There is no functionality loss as the routes present will be correct.		
Workaround: No workaround available.		

Defect ID:	DEFECT000634601	
Technical Severity: High		**Probability:** Medium
Product: Brocade SLX-OS		**Technology Group:** Layer 3 Routing/Network Layer
Reported In Release: SLXOS 17r.1.00		**Technology:** BFD - BiDirectional Forwarding Detection
Symptom: Some of the bfd sessions for bgp are in NA/Init/Down state		
Condition: This condition happens when there's an L2 loop in the network due to two LAGs. When user deletes one of these LAGs, the L2 loop is broken, but some of the BFD sessions remain stuck in NA/Init/Down state.		
Workaround: Issue clear ip(v6) bgp neighbor <>		

Defect ID:	DEFECT000634811	
Technical Severity: High		**Probability:** High
Product: Brocade SLX-OS		**Technology Group:** SDN
Reported In Release: SLXOS 17r.1.00		**Technology:** OpenFlow
Symptom: User can experience Lif encap allocation failure in scale scenario and OF may not be used for few of the ports.		
Condition: In open flow Scale cases. Example: If OpenFlow L23 hybrid mode is enabled on all port, along with 2k vlans configured with all the ports member of these vlans.		

Defect ID:	DEFECT000634973	
Technical Severity: Medium		**Probability:** Low
Product: Brocade SLX-OS		**Technology Group:** IP Multicast
Reported In Release: SLXOS 17r.1.00		**Technology:** IGMP - Internet Group Management Protocol
Symptom: In rare case, user can experience L2 multicast traffic loss in one of the link when user flaps multiple ports belong to the multicast stream which is in forwarding state.		
Condition: Issue introduced when one of the port in L2 multicast entry failed to update in hardware resource allocated after the port flap.		
Recovery: Recovery is to clean affected multicast stream.		

Defect ID:	DEFECT000634994	
Technical Severity: High		**Probability:** Medium
Product: Brocade SLX-OS		**Technology Group:** IP Multicast
Reported In Release: SLXOS 17r.1.00		**Technology:** PIM - Protocol-Independent Multicast
Symptom: Traffic may not be load shared between common shared ECMP enabled interfaces.		
Condition: 1)ECMP must be enabled. 2) Multi paths need to be configured between devices.		
Workaround: Disable ECMP. or Keep single Path.		

Defect ID:	DEFECT000635247	
Technical Severity: High		**Probability:** Low
Product: Brocade SLX-OS		**Technology Group:** Layer 2 Switching
Reported In Release: SLXOS 17r.1.00		**Technology:** VLAN - Virtual LAN
Symptom: In rare occasions, ARP may stay as MAC unresolved state although the MAC is learnt.		
Condition: The issue can happen after pull/insert optics and HA failover.		
Workaround: Clearing the mac should resolve the issue.		

Defect ID:	DEFECT000636414	
Technical Severity: High		**Probability:** Low
Product: Brocade SLX-OS		**Technology Group:** MPLS
Reported In Release: SLXOS 17r.1.01		**Technology:** BGP/MPLS VPN
Symptom: L3VPN lag load balancing is not happening		
Condition: LAG load balancing is not happening in MPLS termination node, node which terminates MPLS header and routes on IP header		

Defect ID:	DEFECT000636511	
Technical Severity: High	**Probability:** Medium	
Product: Brocade SLX-OS	**Technology Group:** IP Multicast	
Reported In Release: SLXOS 17r.1.01	**Technology:** PIM - Protocol-Independent Multicast	
Symptom: In scaled setup, few multicast stream can see traffic loss when user flap interface associated with the streams.		
Condition: Issue happens when user remove and add interface configuration within a very short period on scaled setup.		
Recovery: User has to clear affected entries by using "clear ip pim mcache <source> <group> vrf <vrf-name>"		

Defect ID:	DEFECT000636755	
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 outage is observed for some stream.		
Condition: Execution of "ha failover" command.		

Defect ID:	DEFECT000636837	
Technical Severity: High	**Probability:** Medium	
Product: Brocade SLX-OS	**Technology Group:** Layer 3 Routing/Network Layer	
Reported In Release: SLXOS 17r.1.00	**Technology:** OSPFv3 - IPv6 Open Shortest Path First	
Symptom: OSPF v3 neighbor state will be in "Exstart" due to MTU mismatch in certain scenario.		
Condition: Issue occurs with IPv6 MTU configured. Upon removal of OSPF v3 & MTU configuration and re-enabling OSPF v3 will cause neighbor state to be in "Exstart"		

Defect ID:	DEFECT000636947	
Technical Severity: High	**Probability:** Medium	
Product: Brocade SLX-OS	**Technology Group:** IP Multicast	
Reported In Release: SLXOS 17r.1.01	**Technology:** PIM - Protocol-Independent Multicast	
Symptom: Layer 3 Multicast Traffic is not sent to some receivers after HA Fail over.(PIM configuration)		
Condition: Perform HA failover in Duel chassis system.		
Workaround: Stop the traffic before failover. After failover is complete, restart the multicast traffic.		
Recovery: CLI command: "clear the pim mcache"		

Defect ID:	DEFECT000637221	
Technical Severity: High		**Probability:** Low
Product: Brocade SLX-OS		**Technology Group:** SDN
Reported In Release: SLXOS 17r.1.00		**Technology:** OpenFlow
Symptom: Switch may send extra Barrier Reply on a Barrier Request on some certain conditions.		
Condition: This was observed on a scaled/stressed test condition where a controller sends a Flow-Mod message and followed by a Barrier Request. Repeated by the controller multiple times after receiving a Barrier Reply message. Starting at 4,096 flows, switch starts sending extra Barrier Reply intermittently.		

Defect ID:	DEFECT000637399	
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: Potentially causing PIM neigborship flap on other interfaces.		
Condition: a. System has scaled up PIM routes. b. Interface disable and enable		
Recovery: Issue will be automatically recovered after some time.		

Defect ID:	DEFECT000637652	
Technical Severity: Medium		**Probability:** High
Product: Brocade SLX-OS		**Technology Group:** SDN
Reported In Release: SLXOS 17r.1.01		**Technology:** OpenFlow
Symptom: Due to hardware limitations, logical interface statistics cant be dumped from Openflow controller. Usability issue no functional impact.		
Condition: Due to hw limitations logical interface statistics cant be dumped from Openflow controller. Usability issue no functional impact.		

Defect ID:	DEFECT000637870	
Technical Severity: Medium		**Probability:** High
Product: Brocade SLX-OS		**Technology Group:** Layer 2 Switching
Reported In Release: SLXOS 17s.1.01		**Technology:** VXLAN - Virtual Extensible LAN
Symptom: show mac-address-table interface tunnel <id> command displays physical interface MACs also instead of delaying tunnel MACs		
Condition: show mac-address-table interface tunnel <id> command displays physical interface MACs also instead of delaying tunnel MACs		

Defect ID:	DEFECT000637991	
Technical Severity: High		**Probability:** High
Product: Brocade SLX-OS		**Technology Group:** Security
Reported In Release: SLXOS 17r.1.01		**Technology:** DoS (Denial of Service) protection
Symptom: Any fragmentation based attack can be performed		
Condition: This issue can be seen only if ICMP Packet Too Big (PTB) messages are received with MTU < 1280 for the path. If PTB with MTU < 1280 is received, atomic fragment will be generated. IPv6 atomic fragments can be used to trigger the use of fragmentation in arbitrary flow.		

Defect ID:	DEFECT000638214	
Technical Severity: High		**Probability:** High
Product: Brocade SLX-OS		**Technology Group:** IP Multicast
Reported In Release: SLXOS 17r.1.01		**Technology:** IPv4 Multicast Routing
Symptom: In scaled setup, few multicast stream can see traffic loss when user flap interface associated with the streams.		
Condition: Issue happens when user remove and add interface configuration within a very short period on scaled setup.		
Recovery: Recovery is to clear affected entries by using "clear ip pim mcache <source> <group> vrf <vrf-name>"		

Defect ID:	DEFECT000638267	
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: Some Multicast Receiver ports may not recover the multicast traffic		
Condition: a. Static IGMP multicast entries are configured. b. In a multi-linecard Chassis, if all line cards are rebooted simultaneously, multicast traffic does not recover on all receiver ports.		
Workaround: in a multi line card chassis, reboot only one line card at a time.		
Recovery: CLI command: "clear the pim mcache"		

Defect ID:	DEFECT000638320	
Technical Severity: Medium		**Probability:** High
Product: Brocade SLX-OS		**Technology Group:** IP Multicast
Reported In Release: SLXOS 17r.1.01		**Technology:** PIM - Protocol-Independent Multicast
Symptom: Traffic is not be software forwarded for sometime after configuration of SPT value. In testing the traffic loss was observed for a minute		
Condition: PIM Configuration: Traffic is hit for a 1 minute when Shortest past threshold(SPT) value is set to a finite value through command, other than 1 or infinity		
Workaround: Do not configure PIM spt threshold (use the default value only)		
Recovery: undo the spt threshold configuration		

Defect ID:	DEFECT000638567	
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: Dynamic mac addresses are learnt as non-MCT mac addresses instead of MCT capable mac addresses;		
Condition: In rare cases sometimes MAC manager is not up to date with PW status (MCT or non-MCT) for some Bridge domains; due to which the mac addresses are learnt as regular dynamic mac addresses instead of MCT capable mac addresses.		
Workaround: Toggle the BD MCT membership by deleting and adding the BD in MCT.		
Recovery: Toggle the BD MCT membership by deleting and adding the BD in MCT.		

Defect ID:	DEFECT000638794	
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: PIM daemon terminates when user trying to delete all PIM configured VRF's in one shot and trying to execute PIM show commands at the same time.		
Condition: Resulted from Stress-to-fail testing designed to push the limits of the switch and fabric to point of failure by removing all PIM configured VRF's in one shot and trying to execute PIM show commands at the same time.		
Workaround: Workaround is to remove PIM configured VRF's one by one and by not running show commands at the same time.		

Defect ID:	DEFECT000638980	
Technical Severity: High	**Probability:** Medium	
Product: Brocade SLX-OS	**Technology Group:** Layer 2 Switching	
Reported In Release: SLXOS 17r.1.01	**Technology:** MCT - Multi-Chassis Trunking	
Symptom: This issue occurs when the lag programming notification to the LIF client on a particular sequence on a scaled setup.		
Condition: Not recreates consistently, if happen please remove the lag members, lag configurations and create it again		

Defect ID:	DEFECT000639332	
Technical Severity: Medium	**Probability:** High	
Product: Brocade SLX-OS	**Technology Group:** Layer 2 Switching	
Reported In Release: SLXOS 17r.1.01	**Technology:** MCT - Multi-Chassis Trunking	
Symptom: show mac CLI may fail to display all mac entries on MCT setup after HA failover		
Condition: In scaled MCT setup with dual management module, mac entries may fail to get displayed after switchover is performed from active control card to standby control card.		
Recovery: Need to clear the macs to relearn MAC entries again. Execute clear mac-address for respective vlans using cli command.		

Defect ID:	DEFECT000639476	
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: When ever a new link is added (new ECMP path) there could be some SG entries are not programmed causing traffic loss to some SGV's.		
Condition: ECMP enabled and need dynamic events like new path addition/HA or PIM add remove to get in to this state.		

Defect ID:	DEFECT000639608	
Technical Severity: High	**Probability:** High	
Product: Brocade SLX-OS	**Technology Group:** IP Multicast	
Reported In Release: SLXOS 17r.1.01	**Technology:** PIM - Protocol-Independent Multicast	
Symptom: Multicast flows will not be distributed evenly on all the available ecmp paths.		
Condition: If we disable and enable ecmp two or three times in one go this issue might be seen.		

Defect ID:	DEFECT000639800	
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: PE to CE traffic may get affected if VRF configuration is removed and restored back from a VE.		
Condition: On manual removal/addition of VRF configuration from a VE.		
Workaround: Avoid changing VRF configuration from a VE if traffic is flowing between PE to CE.		

Defect ID:	DEFECT000640295	
Technical Severity: High		**Probability:** Low
Product: Brocade SLX-OS		**Technology Group:** Layer 2 Switching
Reported In Release: SLXOS 17r.1.01		**Technology:** MCT - Multi-Chassis Trunking
Symptom: In Scaled scenarios in certain scenarios MAC address table may not be in sync with MCT peer.		
Condition: In scaled setup with 3000 Member VLANs and 200000 MAC address entries present in the systems with certain sequence of steps like shut the client interfaces on both MCT nodes in a specific scenario causing MAC address table not to be in sync.		
Workaround: Perform the "clear mac-address-table dynamic vlan <id>" for the specific VLANs in problem state. Or user can execute "clear mac-address-table dynamic" to re-sync all the MAC address entries .		
Recovery: Steps mentioned in workaround section will recover the system from problem state.		

Defect ID:	DEFECT000640308	
Technical Severity: High		**Probability:** High
Product: Brocade SLX-OS		**Technology Group:** Management
Reported In Release: SLXOS 17r.1.01		**Technology:** Configuration Fundamentals
Symptom: Duplicate VPLS traffic might be observed when client is un-deployed one side.		
Condition: When client is un-deployed on side where node NOT elected as DF. MACs are getting flushed causing flooding of packets, when Peer MCT node receives flooded traffic will forward additional copy to client.		
Workaround: Deploy the client back.		
Recovery: Deploy the client back to avoid packet duplication.		

Defect ID: DEFECT000640601	
Technical Severity: High	**Probability:** High
Product: Brocade SLX-OS	**Technology Group:** SDN
Reported In Release: SLXOS 17r.1.00	**Technology:** OpenFlow
Symptom: Customer may experience a slow rate in pushing large number of flows over SSL/TLS connection. But it eventually competes the whole operation. This does not happen all the time.	
Condition: Particularly, when every flow comes with a barrier. For instance, 4K of FLOW-MOD followed by BARRIER-Request over SSL/TLS.	
Workaround: Workaround to avoid the condition: 1. For optimization, send multiple flows per barrier. 2. While flow-programming is in-progress and if CLI access is over SSH, refrain from doing "show openflow flow" as it dumps lots of flow entries.	
Recovery: This does not happen all the time. And if it does, it eventually completes.	

Defect ID: DEFECT000640625	
Technical Severity: High	**Probability:** Medium
Product: Brocade SLX-OS	**Technology Group:** Security
Reported In Release: SLXOS 17r.1.00	**Technology:** ACLs - Access Control Lists
Symptom: Packets matching Deny rules in L2 ACL applied as RL are not policed and MAC learning happens for those traffic.	
Condition: L2 ACL containing deny rules and applied as RL.	
Workaround: Configure MAC ACL in the same interface where RL is applied. Packets will get dropped and mac learning will not happen for the packets matching deny rules.	
Recovery: Configure MAC ACL in the same interface where RL is applied. Packets will get dropped and mac learning will not happen for the packets matching deny rules.	

Defect ID: DEFECT000641314	
Technical Severity: High	**Probability:** Low
Product: Brocade SLX-OS	**Technology Group:** Layer 2 Switching
Reported In Release: SLXOS 17r.1.01	**Technology:** VXLAN - Virtual Extensible LAN
Symptom: Static MAC configured for BD under overlay-gateway	
Condition: when VC ID = 4097 is used	

Defect ID:	DEFECT000641534	
Technical Severity: Medium	**Probability:** High	
Product: Brocade SLX-OS	**Technology Group:** Layer 2 Switching	
Reported In Release: SLXOS 17s.1.01	**Technology:** VXLAN - Virtual Extensible LAN	
Symptom: If IP anycast address is configured for a Ve interface then it expects that ARP suppression should be configured for respective VLAN. On removal of ARP suppression configuration it should throw a warning message.		
Condition: If IP anycast address for a Ve interface is configured then suppress-arp configuration should not be removed from respective VLAN.		

Defect ID:	DEFECT000641756	
Technical Severity: High	**Probability:** Low	
Product: Brocade SLX-OS	**Technology Group:** Layer 2 Switching	
Reported In Release: SLXOS 17r.1.01	**Technology:** VXLAN - Virtual Extensible LAN	
Symptom: During upgrade some of the remote EVPN macs may not be in sync with remote MCT node.		
Condition: Software upgrade of the system.		
Workaround: Use the "clear mac-address-table dynamic vlan <id>" for specific VLANs in problem state. Or user can execute "clear mac-address-table dynamic " to re-sync complete MAC table.		
Recovery: Use of the above mention workaround or clearing BGP session will recover.		

Defect ID:	DEFECT000641989	
Technical Severity: High	**Probability:** Low	
Product: Brocade SLX-OS	**Technology Group:** MPLS	
Reported In Release: SLXOS 17r.1.01	**Technology:** IP over MPLS	
Symptom: With Scaled config, On linecard reload, MPLS tunnel programming in hardware is taking longtime to get completed resulting the traffic loss for 5 mins.		
Condition: On Linecard reload		

Defect ID:	DEFECT000642064	
Technical Severity: High		**Probability:** High
Product: Brocade SLX-OS		**Technology Group:** Layer 2 Switching
Reported In Release: SLXOS 17s.1.01		**Technology:** LAG - Link Aggregation Group
Symptom: After deleting a Port-channel interface, it can still be seen with the command, "show running-config interface Port-channel". However, the corresponding Port-channel is not seen with the commands, "show port-channel" and "show bridge-domain".		
Condition: 1. Port-channel is in switchport (Layer 2) mode and some Logical-interfaces have been configured on that Port-channel. 2. These Logical-interfaces have been associated with a Bridge-domain. 3. The user deleted the Port-channel with "no interface Port-channel <id>". The Port-channel can still be seen with the command, "show running-config interface Port-channel".		

Defect ID:	DEFECT000642080	
Technical Severity: High		**Probability:** High
Product: Brocade SLX-OS		**Technology Group:** MPLS
Reported In Release: SLXOS 17r.1.01		**Technology:** MPLS VLL - Virtual Leased Line
Symptom: In a scaled configuration (more Bridge domains > 2500), multiple client interfaces and with bidirectional traffic running between remote peer and client end, when client interface single member port-channel member interface is removed, traffic leaks in to native VLAN		
Condition: Issues happens in scaled config and also issue happens when there are multiple client interface connections. Issue doesn't happen easily.		
Workaround: configure trunk-no-default-native on underlying client interfaces		

Defect ID:	DEFECT000642620	
Technical Severity: High		**Probability:** High
Product: Brocade SLX-OS		**Technology Group:** Management
Reported In Release: SLXOS 17s.1.01		**Technology:** CLI - Command Line Interface
Symptom: Custom RPC "get-tunnel-info" errors out without providing the necessary tunnel info.		
Condition: When the system has some VXLAN tunnels and user executes the custom RPC "get-tunnel-info", an error is generated, with no o/p.		

Defect ID:	DEFECT000642639	
Technical Severity: High		**Probability:** High
Product: Brocade SLX-OS		**Technology Group:** Layer 2 Switching
Reported In Release: SLXOS 17r.2.00		**Technology:** VLAN - Virtual LAN
Symptom: 'member vlan add' command is not available under 'cluster' mode		
Condition: Configure MCT cluster member vlans.		
Workaround: Add member vlans under 'evpn' instance.		

Defect ID:	DEFECT000642641	
Technical Severity: High		**Probability:** Medium
Product: Brocade SLX-OS		**Technology Group:** Layer 3 Routing/Network Layer
Reported In Release: SLXOS 17r.1.01		**Technology:** MBGP - Multiprotocol Border Gateway Protocol
Symptom: VPNV4 ORF receive capability is not disabled on removing the config.		
Condition: enable ORF prefix list capability and then try to disable it		
Recovery: configure "no neighbor x.x.x.x capability orp prefix-list send " and "no neighbor x.x.x.x capability orf prefix-list receive" seperately		

Defect ID:	DEFECT000642676	
Technical Severity: High		**Probability:** Low
Product: Brocade SLX-OS		**Technology Group:** MPLS
Reported In Release: SLXOS 17r.1.01		**Technology:** BGP/MPLS VPN
Symptom: After restarting MPLS on remote PE, sometimes traffic would be stopped for few VRF in a scaled system		
Condition: It happens in case of process restart of MPLS, with loaded config and not consistent		
Recovery: Clearing any route in that particular VRF will resolve the issue		

Defect ID:	DEFECT000642685	
Technical Severity: High		**Probability:** Low
Product: Brocade SLX-OS		**Technology Group:** Layer 3 Routing/Network Layer
Reported In Release: SLXOS 17r.1.01		**Technology:** MBGP - Multiprotocol Border Gateway Protocol
Symptom: Extended extcommunity-list is not working for RR group.		
Condition: Configuring Extended extcommunity-list for RR group		
Recovery: Avoid using Extended extcommunity-list for RR group.		

Defect ID:	DEFECT000642999	
Technical Severity: High		**Probability:** Medium
Product: Brocade SLX-OS		**Technology Group:** Layer 2 Switching
Reported In Release: SLXOS 17r.1.01		**Technology:** VXLAN - Virtual Extensible LAN
Symptom: After HA Failover the MAC learned on the Vxlan tunnel are not shown in the MAC table in the new ACTIVE MM.		
Condition: For BGP EVPN discovered Vxlan tunnels, MAC learned on the Vxlan tunnels are not recovered when HA failover is done.		
Workaround: Workaround for the issue is to delete and recreate the tunnel using vtep-discovery option under router bgp.		

Defect ID:	DEFECT000643101	
Technical Severity: High		**Probability:** Low
Product: Brocade SLX-OS		**Technology Group:** Monitoring
Reported In Release: SLXOS 17r.1.01		**Technology:** OAM - Operations, Admin & Maintenance
Symptom: CFM/Y1731 MEP configuration does not get loaded into running config, while loading the configuration file from flash.		
Condition: CFM/Y.1731 features needs to be enabled		
Workaround: After copying configuration file from flash, MEPs configuration needs to reconfigured.		

Defect ID:	DEFECT000643112	
Technical Severity: High		**Probability:** Low
Product: Brocade SLX-OS		**Technology Group:** Traffic Management
Reported In Release: SLXOS 17r.1.01		**Technology:** Rate Limiting and Shaping
Symptom: Linecard reboots on performing a firmware upgrade/downgrade.		
Condition: access-list binding / storm control / rate-limiting configurations present in the start-up/running configuration.		

Defect ID:	DEFECT000643163	
Technical Severity: High		**Probability:** Low
Product: Brocade SLX-OS		**Technology Group:** Layer 2 Switching
Reported In Release: SLXOS 17r.1.01		**Technology:** LAG - Link Aggregation Group
Symptom: Traffic egress from LAG has always VLAN priority zero.		
Condition: Egress port is a member of LAG, then this issue is seen.		
Workaround: Not available		
Recovery: N/A		

Defect ID:	DEFECT000643295	
Technical Severity: High		**Probability:** High
Product: Brocade SLX-OS		**Technology Group:** IP Multicast
Reported In Release: SLXOS 17r.1.01		**Technology:** IGMP - Internet Group Management Protocol
Symptom: Multicast traffic may not be flooded.		
Condition: a. HA failover b. multiple enable/disable snooping.		
Workaround: Do not disable snooping after failover.		
Recovery: Reboot the box		

Defect ID:	DEFECT000643297	
Technical Severity: High		**Probability:** Low
Product: Brocade SLX-OS		**Technology Group:** MPLS
Reported In Release: SLXOS 17r.1.01		**Technology:** MPLS Traffic Engineering
Symptom: FRR-facility backup LSP will go down after failover to backup path.		
Condition: This issue will happen only when there is asymmetric RSVP reliable-messaging configuration. Specifically, if the point-of-local-repair does not have RSVP reliable-messaging configured but the merge-point has RSVP reliable messaging configured on the relevant interfaces on which the Backup-signaling packets are going.		
Workaround: Configure symmetric RSVP reliable-messaging on both ends of the link. Either it should be enabled on both ends or disabled on both ends of a link.		

Defect ID:	DEFECT000643498	
Technical Severity: High		**Probability:** Low
Product: Brocade SLX-OS		**Technology Group:** Layer 3 Routing/Network Layer
Reported In Release: SLXOS 17r.1.01		**Technology:** BFD - BiDirectional Forwarding Detection
Symptom: When BFD session is over multi-slot LAG, powering off the LC currently being used by BFD may cause the session to flap. This happens to sessions that have sub-second detection times.		
Condition: This issue is due to delay in propagation of slot off event.		

Defect ID:	DEFECT000643636	
Technical Severity: High		**Probability:** Low
Product: Brocade SLX-OS		**Technology Group:** Layer 2 Switching
Reported In Release: SLXOS 17r.1.01		**Technology:** MCT - Multi-Chassis Trunking
Symptom: System may unexpected reload.		
Condition: In L2 MCT, if HA is triggered with continuous BGP flap. Probability of issue is too low. It has been observed only once.		

Defect ID:	DEFECT000643778	
Technical Severity: High		**Probability:** Medium
Product: Brocade SLX-OS		**Technology Group:** Layer 2 Switching
Reported In Release: SLXOS 17r.1.01		**Technology:** MCT - Multi-Chassis Trunking
Symptom: Unexpected reload will be observed .		
Condition: Reloading the active MM.		

Defect ID:	DEFECT000643791	
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: Layer 3 Multicast Traffic is not sent to some receivers some times		
Condition: a. Repeatedly cli configuration of "switchport" and "no switchport" at interface level of cli configuration b. Perform ha-failover.		
Recovery: CLI command: "clear the pim mcache"		

Defect ID:	DEFECT000643897	
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: User may observe hw programming issue in heavy scale of MCT. EVPN traffic will be impacted.This can lead to traffic drop as well.		
Condition: Scale out configuration of MCT and EVPN		

Defect ID:	DEFECT000643948	
Technical Severity: High	**Probability:** High	
Product: Brocade SLX-OS	**Technology Group:** Security	
Reported In Release: SLXOS 17r.2.00	**Technology:** DoS (Denial of Service) protection	
Symptom: L2 ACL RL occupies TCAM entry reserved for BUM RL		
Condition: Downgrading image from firmware supporting L2 ACL RL to firmware not supporting L2 ACL RL.		
Workaround: Remove unsupported feature before downgrading		

Defect ID:	DEFECT000643950	
Technical Severity: High	**Probability:** High	
Product: Brocade SLX-OS	**Technology Group:** Traffic Management	
Reported In Release: SLXOS 17r.2.00	**Technology:** Rate Limiting and Shaping	
Symptom: On software downgrade, rate limit configuration fails.		
Condition: a. A policy map is configured globally b. It is deleted c. And re-configured again. Rate limit fails. Simialer thing happens post reload too.		

Defect ID:	DEFECT000643970	
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: MAC learning did not happen on the vxlan tunnels when multiple triggers happened in peer nodes like remove vlan and add back and clear bgp neighborship. The traffic get flooded instead of unicast		
Condition: MAC learning did not happen on the vxlan tunnels when multiple triggers happened in peer nodes like remove vlan and add back and clear bgp neighborship		
Workaround: clear bgp evpn session on the affected node		
Recovery: clear bgp evpn session on the affected node		

Defect ID:	DEFECT000643974	
Technical Severity: High		**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: When a user does a VRF config with bgp next-hop configuration with some VE interface and reboots the switch. Once reboot is done, the effective IP address will be the IP address of VE interface "1" , irrespective of the VE interface provided in the config.		
Condition: When a User does a config with BGP next-hop as a VE interface under VRF. Once the switch is reloaded, the next-hop IP will be taken of the interface "VE 1", irrespective of the VE interface configured under VRF.		
Workaround: A user can delete the present next-hop config from the VRF and reconfigure the same. It will behave as expected.		
Recovery: A user can delete the present next-hop config from the VRF and reconfigure the same. It will behave as expected.		

Defect ID:	DEFECT000644061	
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: While performing FPGA upgrade/downgrade commands user can see "omm" keyword in output message which is not easy to interpret. Instead of "omm" keyword user will expect more descriptive text like "Active MM/Standby MM/Remote MM" This issue is observed with SLXOS 17r.1.01 releases.		
Condition: With SLXOS 17r.1.01 releases run sysfpga_upgrade command and in output user can observe "omm" keyword		
Workaround: This is cosmetic output message display issue and there is no functional impact. With SLXOS 17r.2 release this issue is addressed.		
Recovery:		

Defect ID:	DEFECT000644072
Technical Severity: High	**Probability:** High
Product: Brocade SLX-OS	**Technology Group:** Layer 3 Routing/Network Layer
Reported In Release: SLXOS 17s.1.01	**Technology:** ARP - Address Resolution Protocol
Symptom: User will experience traffic drops due to ARPs getting learnt on the local node where traffic hits in certain scenarios.	
Condition: User will experience this issue if real IP address is configured on the interface where Static Anycast gateway is configured.	

Defect ID:	DEFECT000644102
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: 8021ag Linktrace does not work with SLX devices as intermediate node and in SLX to MLX interop scenario.	
Condition: User will observe this bevahior where user has deployed 8021ag and has mix of SLX and NI series devices and plans to run LinkTrace across such devices.	

Defect ID:	DEFECT000644126
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: Layer 2 Mac Address learning does not happen and leads to flooding of traffic..	
Condition: Under frequent learning and ageing of macs in scaled setup scenario with Spanning Tree protocol configuration.	

Defect ID:	DEFECT000644163
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: Running "show arp" after HA failover may lead to reload of the router	
Condition: Running show arp after HA failover	

Defect ID:	DEFECT000644172	
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: Unable to configure host-name and observe "Error: Invalid input - new name contains invalid characters or begins with a digit, command failed" error on console.		
Condition: Configuration of switch-attributes host-name cause the issue when we use special character like dot "." in host-name.		
Workaround: Please don;t use any special character in host-name.		

Defect ID:	DEFECT000644175	
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: Unable to remove SNMP contact/location configuration from the system.		
Condition: When the user attempts to removie default SNMP contact/location.		

Defect ID:	DEFECT000644327	
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: ARP entries are not synced with the Standby MM after the hitless Switchover		
Condition: Switchover of MM		

Defect ID:	DEFECT000644360	
Technical Severity: High		**Probability:** High
Product: Brocade SLX-OS		**Technology Group:** Layer 2 Switching
Reported In Release: SLXOS 17r.2.00		**Technology:** VLAN - Virtual LAN
Symptom: Unresolved MAC in ARP table even though MAC has been resolved as per MAC table.		
Condition: HA failover		
Recovery: Clear MAC		

Defect ID:	DEFECT000644404
Technical Severity: High	Probability: High
Product: Brocade SLX-OS	Technology Group: Layer 2 Switching
Reported In Release: SLXOS 17r.1.01	Technology: MCT - Multi-Chassis Trunking
Symptom: Traffic would be forwarded wrongly in MCT VLL scenario. This may impact the traffic sent to EVPN-Pseudowire for Layer 2 VPN MCT and MCT cases.	
Condition: MCT traffic for EVPN-Pseudowire may have impact if Port-channels were shut and LSP is cleared locally.	
Recovery: Re-apply MCT configuration	

Defect ID:	DEFECT000644530
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: Duplicate commands are not removed in command history	
Condition: Seen if UP arrow is pressed to see the command history	

Defect ID:	DEFECT000644575
Technical Severity: High	Probability: High
Product: Brocade SLX-OS	Technology Group: Management
Reported In Release: SLXOS 17r.2.00	Technology: Software Installation & Upgrade
Symptom: ERROR: unable to read the CPU temp sensor" error messages comes on console.	
Condition: No need any specific condition, after every boot up we can hit this issue	

Defect ID:	DEFECT000644656
Technical Severity: Medium	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 may observe unexpected system reload in case of HA Failover.	
Condition: MPLS with MCT configuration. And HA Failover.(High availability)	

Defect ID:	DEFECT000644894	
Technical Severity: High		**Probability:** High
Product: Brocade SLX-OS		**Technology Group:** MPLS
Reported In Release: SLXOS 17r.1.01		**Technology:** IP over MPLS
Symptom: IPoMPLS traffic getting sometimes dropped after Linecard reload		
Condition: In a scaled system of 1K+ LSP's, 2K cross-connects, 1.5K VC peers and 35K routes with linecard reboot, sometimes IPoMPLS traffic stops forwarding		
Recovery: clear mpls lsp or clear ip route will recover from the issue		

Defect ID:	DEFECT000644896	
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: MAC learning did not happen after HA failover when Vxlan Tunnel also configured .		
Condition: MAC learning did not happen after HA failover when Vxlan Tunnel also configured in the system.		

Defect ID:	DEFECT000644964	
Technical Severity: High		**Probability:** High
Product: Brocade SLX-OS		**Technology Group:** Security
Reported In Release: SLXOS 17r.2.00		**Technology:** 802.1x Port Authentication
Symptom: Traffic could be not dropped as expected with port security violation restrict mode on SLX		
Condition: Traffic may not be dropped as expected with port security violation restrict mode on fusion device.		

Defect ID:	DEFECT000645102	
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: When the output of "show mpls ldp peer" CLI spans across pages, it may cause mplsd to terminate in certain cases		
Condition: When the output of "show mpls ldp peer" CLI spans across pages, it may cause mplsd to terminate in certain cases		

Defect ID:	DEFECT000645114	
Technical Severity: High	**Probability:** High	
Product: Brocade SLX-OS	**Technology Group:** Management	
Reported In Release: SLXOS 17r.1.00	**Technology:** SNMP - Simple Network Management Protocol	
Symptom: When polling interface counters via SNMP the SNMP agent returns incorrect values for certain counters at random instances.		
Condition: When polling certain SNMP MIB objects like ifHCInUcastPkts, ifHCOutUcastPkts on an interface that is handling unicast and multicast or broadcast traffic, the SNMP agent may return very high (incorrect) counter values at random instances.		

Defect ID:	DEFECT000645409	
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: SLX OS commands do not respond when executed immediately after Cluster management principal switch over		
Condition: After "cluster management principal switchover" command is issued and immediately a "show cluster management" command is issued on the non-principal peer node.		
Workaround: Do not immediately issue any SLX OS Commands on peer node that will become the new principal co-ordinator after a "cluster management principal switchover" command has been issued.		
Recovery: Reloading the switch.		

Defect ID:	DEFECT000645446	
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: In EVPN environment, layer 2 extension for certain VLANs would fail		
Condition: Issue occurs only when VLAN to VNI mapping is configured manually		
Workaround: Reconfigure VLAN-to-VNI mapping as auto		
Recovery: Reconfigure VLAN-to-VNI mapping as atuo, followed by flap of BGP neighbors.		

Defect ID:	DEFECT000645507	
Technical Severity: High	**Probability:** High	
Product: Brocade SLX-OS	**Technology Group:** IP Multicast	
Reported In Release: SLXOS 17r.2.00	**Technology:** PIM - Protocol-Independent Multicast	
Symptom: PIM multicast (S,G) entries are not created on the intermediate routers which receives (S,G) traffic.		
Condition: PIM SM and BSR Configuration.		

Defect ID:	DEFECT000645587	
Technical Severity: High		**Probability:** High
Product: Brocade SLX-OS		**Technology Group:** Layer 2 Switching
Reported In Release: SLXOS 17r.1.01		**Technology:** MCT - Multi-Chassis Trunking
Symptom: In the LVTEP scenario, BUM traffic received on non-DF node is dropping the traffic instead of sending on the ICL interface		
Condition: In the LVTEP scenario, BUM traffic received on non-DF node is dropping the traffic instead of sending on the ICL interface		

Defect ID:	DEFECT000645800	
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 issues with 8021ag Linktrace feature to maintenance point which is on Port channel interface.		
Condition: User will experience the issue only when executing linktrace to MEP or MIP on Port-channel interface.		

Defect ID:	DEFECT000645839	
Technical Severity: High		**Probability:** High
Product: Brocade SLX-OS		**Technology Group:** MPLS
Reported In Release: SLXOS 17r.1.00		**Technology:** LDP - Label Distribution Protocol
Symptom: With SLX as VC peer, the LDP sessions may flap, thereby causing VC peers to flap.		
Condition: SLX devices are sending out LDP Keep Alive packets with dscp value 0.		

Defect ID:	DEFECT000646033	
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: Dcmd process fault may be seen when executing show cluster command		
Condition: executing 'show cluster' when 'router mpls' has not yet been configured.		

Defect ID:	DEFECT000646291	
Technical Severity: Critical		**Probability:** High
Product: Brocade SLX-OS		**Technology Group:** MPLS
Reported In Release: SLXOS 17r.1.01		**Technology:** MPLS Traffic Engineering
Symptom: mpls process fault may be seen when mpls interface is shut down.		
Condition: MPLS enabled interfaces and configuration to shut down the associated interface.		

Defect ID:	DEFECT000646444	
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: System goes for a reload		
Condition: User Execution of MCT configuration CLI command "no client <name> <id>" command under cluster		

Defect ID:	DEFECT000646609	
Technical Severity: Critical		**Probability:** High
Product: Brocade SLX-OS		**Technology Group:** Monitoring
Reported In Release: SLXOS 17r.1.01		**Technology:** OAM - Operations, Admin & Maintenance
Symptom: Packet buffer leak leading to loss of adjacency in layer 2 / layer 3 protocols.		
Condition: UP MEP configured interface and PWE interface are on different slots.		

Defect ID:	DEFECT000646929	
Technical Severity: High		**Probability:** High
Product: Brocade SLX-OS		**Technology Group:** IP Multicast
Reported In Release: SLXOS 17r.1.01		**Technology:** IGMP - Internet Group Management Protocol
Symptom: mc_hms daemon terminates while processing the IGMPv3 source removal.		
Condition: IGMPv3 group with source present and removing the source.		

Defect ID:	DEFECT000646956	
Technical Severity: High		**Probability:** High
Product: Brocade SLX-OS		**Technology Group:** Layer 2 Switching
Reported In Release: SLXOS 17r.1.01		**Technology:** VXLAN - Virtual Extensible LAN
Symptom: Wrong VLANs are extended over the EVPN tunnel		
Condition: Issue occurs when VLAN-to-VNI mapping is configured manually		

Defect ID:	DEFECT000647055	
Technical Severity: High		**Probability:** High
Product: Brocade SLX-OS		**Technology Group:** Layer 2 Switching
Reported In Release: SLXOS 17r.1.01		**Technology:** VLAN - Virtual LAN
Symptom: REST API put for LACP system priority configuration does not work		
Condition: REST API put for LACP system priority configuration does not work		

Defect ID:	DEFECT000647091	
Technical Severity: High		**Probability:** High
Product: Brocade SLX-OS		**Technology Group:** Management
Reported In Release: SLXOS 17r.1.01		**Technology:** High Availability
Symptom: Applying "no line card <num>" command without any module present in the slot or "power-off linecard" causes the console/telnet session to hang		
Condition: Execution of 'no linecard <num>' CLI command after "power-off linecard" command		
Workaround: Avoid using 'no linecard <num>' command after powering-off the linecard		
Recovery: reboot through root prompt and powering on the line card.		

Defect ID:	DEFECT000647144	
Technical Severity: Critical		**Probability:** High
Product: Brocade SLX-OS		**Technology Group:** Layer 3 Routing/Network Layer
Reported In Release: SLXOS 17r.1.01		**Technology:** Multi-VRF
Symptom: In case of dynamic Inter VRF route leak scenarios, if there is a policy change, Route Table may continue to have stale routes.		
Condition: In case of dynamic Inter VRF route leak		
Recovery: Execute 'clear ip route' or 'clear ipv6 route' command to remove the stale routes.		

Defect ID:	DEFECT000647228	
Technical Severity: High		**Probability:** High
Product: Brocade SLX-OS		**Technology Group:** Layer 3 Routing/Network Layer
Reported In Release: SLXOS 17r.1.00		**Technology:** BGP4 - IPv4 Border Gateway Protocol
Symptom: Layer 3 connectivity and ping fails among hosts connected on leaf nodes in IP Fabric topology		
Condition: The issues occurs after host IP rebinds to new MAC address. This is most common during VM migration.		
Recovery: Clear ARP entries with no-refresh option		

Defect ID:	DEFECT000647262	
Technical Severity: Critical	**Probability:** High	
Product: Brocade SLX-OS	**Technology Group:** Monitoring	
Reported In Release: SLXOS 17r.1.01	**Technology:** OAM - Operations, Admin & Maintenance	
Symptom: User will experience usability issue with Y1731 2-way on-demand Delay Measurement which will abort the measurement session with "Delay Measurement is not applicable as delay is more than 4 seconds " or "Delay Measurement is not applicable as Tx and Rx timestamp difference at Remote side is more than Local side" error.		
Condition: User will experience this issue if MEP configured interface and Psuedowire interface are on different Line cards.		
Workaround: User can avoid it by having MEP configured and Psuedowire interface on same Line card.		

Defect ID:	DEFECT000647300	
Technical Severity: Medium	**Probability:** High	
Product: Brocade SLX-OS	**Technology Group:** Management	
Reported In Release: SLXOS 17r.1.00	**Technology:** SNMP - Simple Network Management Protocol	
Symptom: The reply for the snmp query sent to the chassis virtual IP of the switch, has the source IP as MM IP.		
Condition: SNMP request is sent with target address as chassis virtual-ip of SLX switch.		

Defect ID:	DEFECT000647400	
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: The dual rate 10G LR optic is not working when the interface is configured as 1G		
Condition: Dual rate LR optic when the interface is configured as 1G		

Defect ID:	DEFECT000647448	
Technical Severity: Medium	**Probability:** Medium	
Product: Brocade SLX-OS	**Technology Group:** IP Multicast	
Reported In Release: SLXOS 17r.1.01	**Technology:** PIM - Protocol-Independent Multicast	
Symptom: CLI accepts Accessl list name, where as it expects the prefix-list name. Hence it lead to an issue where SSM-MAP was not bound certain IP rules.		
Condition: Issue is seen when Access list is provide in the ssm-map command of IGMP. It actually needs prefix-list name, to apply rules to SSM-MAP		
Workaround: Please undo CLI configuration and use Prefix-list name to fix the issue.		

Defect ID:	DEFECT000647497	
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: Platform name not correct in syslog when creating a port-channel, and port-channel ID is larger than 64		
Condition: Error message happens when a port-channel is created with ID value more than 64. No impact due to this error.		

Defect ID:	DEFECT000647506	
Technical Severity: High	**Probability:** High	
Product: Brocade SLX-OS	**Technology Group:** MPLS	
Reported In Release: SLXOS 17r.1.01	**Technology:** MPLS Traffic Engineering	
Symptom: In certain cases, when configuring hop for an MPLS path, inserting a hop before another hop may cause it to be appended (instead of inserting in desired index)		
Condition: Sometimes when a path has two hops, if a third hop is to be inserted in the second index (that is before the last hop), the insertion may instead cause the new hop to be appended (that is, it will go as third hop)		

Defect ID:	DEFECT000647525	
Technical Severity: High	**Probability:** High	
Product: Brocade SLX-OS	**Technology Group:** Layer 3 Routing/Network Layer	
Reported In Release: SLXOS 17r.1.00	**Technology:** IP Addressing	
Symptom: In the events of congestion in the network, one or more ldp hello packetes may drop and hence may cause LDP session flaps.		
Condition: MPLS LDP hellos are incorrectly sent with the dscp value of 0.		

Defect ID:	DEFECT000647811	
Technical Severity: Medium	**Probability:** High	
Product: Brocade SLX-OS	**Technology Group:** IP Multicast	
Reported In Release: SLXOS 17r.1.01	**Technology:** IGMP - Internet Group Management Protocol	
Symptom: Access-list name is accepted by the CLI, which expects Prefix-list name. This results in unexpected filter for IGMP SSM Map		
Condition: Issue is seen, when an access-list is used in place of prefix-list, for configuring IGMP SSM-MAP		
Workaround: Please do not use Access-list for configuring IGMP SSM-MAP		
Recovery: To recover, please remove IGMP SSM-MAP configuration previously made using access-list name. Configure a prefix-list, and use it with the same CLI for IGMP SSM-MAP.		

Defect ID:	DEFECT000647880	
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: Device with dual Management Modules(MM) terminates on Active MM and Standby MM goes to Faulty with CFM MEP configuration on Link Aggregation Group (LAG).		
Condition: Configure LAG on the Dual MM device. Configure CFM MEP on the LAG. Save the running configuration to startup configuration or make changes to the LAG interface either by changing the mode from layer 2 to layer 3 or removing the LAG. Device would terminate now.		

Defect ID:	DEFECT000647939	
Technical Severity: Medium		**Probability:** High
Product: Brocade SLX-OS		**Technology Group:** Monitoring
Reported In Release: SLXOS 17r.1.01		**Technology:** OAM - Operations, Admin & Maintenance
Symptom: Optical monitoring OIDs are not reporting the aggregate values for RX/TX power on 100G optics. CLI displays aggregate and the MIB displays average values.		
Condition: snmpwalk on bcsioptMonInfoTable.		

Defect ID:	DEFECT000647999	
Technical Severity: High		**Probability:** High
Product: Brocade SLX-OS		**Technology Group:** Traffic Management
Reported In Release: SLXOS 17r.2.00		**Technology:** QoS - Quality of Service
Symptom: Unexpected reload will be seen.		
Condition: Configure the QoS-MPLS maps and issue "show qos maps" CLI command.		
Workaround: To see the QoS-MPLS maps configured, use the CLI command "show qos-mpls maps <map-type" command.		

Defect ID:	DEFECT000648133	
Technical Severity: High		**Probability:** High
Product: Brocade SLX-OS		**Technology Group:** MPLS
Reported In Release: SLXOS 17r.1.01		**Technology:** MPLS Traffic Engineering
Symptom: User may observe below logs on console when statistics is enabled in high scale of MPLS configuration. "Stats Encaps are exhausted. All Encaps are already being used"		
Condition: Clear MPLS and an Interface flap with Scale out MPLS configuration		

Defect ID:	DEFECT000648257	
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: show arp ip command may not display right help option		
Condition: show arp ip command may not display right help option		

Defect ID:	DEFECT000648355	
Technical Severity: High	**Probability:** High	
Product: Brocade SLX-OS	**Technology Group:** Monitoring	
Reported In Release: SLXOS 17r.1.01	**Technology:** OAM - Operations, Admin & Maintenance	
Symptom: Slow response(Around 60 sec) for SNMP query about CPUUtilTable		
Condition: Very rare to occur on 9540 platform		

Defect ID:	DEFECT000648492	
Technical Severity: Low	**Probability:** Medium	
Product: Brocade SLX-OS	**Technology Group:** Management	
Reported In Release: SLXOS 17r.1.01	**Technology:** High Availability	
Symptom: System will hit unexpected reload due to NSM daemon termination.		
Condition: When statndby MM become active then System will hit unexpected reload due to NSM daemon termination.		

Defect ID:	DEFECT000648525	
Technical Severity: High	**Probability:** High	
Product: Brocade SLX-OS	**Technology Group:** MPLS	
Reported In Release: SLXOS 17r.1.01	**Technology:** BGP/MPLS VPN	
Symptom: The MPLS process restarts		
Condition: More than 1000 RSVP sessions are present, summary refresh is enabled, and user reroutes the LSPs from one path to another.		

Defect ID:	DEFECT000648526	
Technical Severity:	Critical	**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: Active MM will go for a reboot		
Condition: After HA failover, New Active MM will go for a reboot which cause system to reboot.		

Defect ID:	DEFECT000648720	
Technical Severity:	Medium	**Probability:** High
Product: Brocade SLX-OS		**Technology Group:** Layer 2 Switching
Reported In Release: SLXOS 17s.1.02		**Technology:** VLAN - Virtual LAN
Symptom: The command "show vlan rspan-vlan" can be seen by the user. The command is not supported.		
Condition: The command "show vlan rspan-vlan" can be seen by the user.		

Defect ID:	DEFECT000648882	
Technical Severity:	High	**Probability:** High
Product: Brocade SLX-OS		**Technology Group:** Monitoring
Reported In Release: SLXOS 17r.1.01		**Technology:** OAM - Operations, Admin & Maintenance
Symptom: User will experience usability issues with Y.1731 while using Y1731 2-way on-demand Delay Measurement with errors which will indicate cancellation of measurement with messages like "Delay Measurement is not applicable as delay is more than 4 seconds" or "Delay Measurement is not applicable as Tx and Rx timestamp difference at Remote side is more than Local side".		
Condition: User will observe issues only while using Y1731 Delay measurement		

Defect ID:	DEFECT000649076	
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: Device reset upon save and reload with 8021ag port channel configs.		
Condition: User will observe the issue only while save/reload with a config containing 8021ag with MEPs configured on port channel interface.		

Defect ID:	DEFECT000649141	
Technical Severity: Medium		**Probability:** High
Product: Brocade SLX-OS		**Technology Group:** Layer 2 Switching
Reported In Release: SLXOS 17r.1.01		**Technology:** MCT - Multi-Chassis Trunking
Symptom: Any cluster id is accepted and displays cluster info under "show cluster <ID>". As we support at most 1 cluster hence this CLI show the default one for any cluster id.There is no impact of this behavior as such.		
Condition: show cluster id accepts any cluster id as in current release at most 1 cluster support is there.The current show command behavior doesn't have any impact as it displays for the default id.		

Defect ID:	DEFECT000649476	
Technical Severity: High		**Probability:** High
Product: Brocade SLX-OS		**Technology Group:** Monitoring
Reported In Release: SLXOS 17r.1.01		**Technology:** OAM - Operations, Admin & Maintenance
Symptom: Y1731 2Way Delay Measurement aborts with " remote time diff greater than local time diff" when SLX is responder.		
Condition: Issue occurs when UP MEP configured interface and PWE interface are on different slots or units within a slot.		

Defect ID:	DEFECT000649655	
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: Issue is fixed in the release		
Condition: Issue is fixed in the release		

Defect ID:	DEFECT000649907	
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: Load balancing on PE towards CE will not happen in SLX 9540 platform for VPLS Network		
Condition: LAG end point hashing towards CE in VPLS network		

Defect ID:	DEFECT000649963	
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: BFD sessions are continuously flapping for 50 BGP multihop sessions with 200ms timer.		
Condition: Deletion of BFD session.		

Defect ID:	DEFECT000650007	
Technical Severity: High		**Probability:** High
Product: Brocade SLX-OS		**Technology Group:** Management
Reported In Release: SLXOS 17r.1.01		**Technology:** Configuration Fundamentals
Symptom: Issue is fixed in this release		
Condition: Issue is fixed in this release		

Defect ID:	DEFECT000650125	
Technical Severity: High		**Probability:** High
Product: Brocade SLX-OS		**Technology Group:** Traffic Management
Reported In Release: SLXOS 17r.1.01		**Technology:** Rate Limiting and Shaping
Symptom: Remove and re-applying the service-policy leads to error message. In TCAM profile " layer2-optimized-1", user will see "%%Error: Memory allocation failed" error while binding the service-policy to an interface.		
Condition: Service policy and storm-control are configured on an interface.		

Defect ID:	DEFECT000650128	
Technical Severity: High		**Probability:** High
Product: Brocade SLX-OS		**Technology Group:** Traffic Management
Reported In Release: SLXOS 17r.1.01		**Technology:** Rate Limiting and Shaping
Symptom: Intermittent termination of qosd process.		
Condition: Storm-control config is added and/or removed from an interface multiple times.		

Defect ID:	DEFECT000650134	
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: Dynamic update of information rates (cir/eir) to 0 for the policy-map will not be effective.		
Condition: Configure both service-policy and storm-control for the interface.		

Defect ID:	DEFECT000650259	
Technical Severity: High		**Probability:** High
Product: Brocade SLX-OS		**Technology Group:** IP Multicast
Reported In Release: SLXOS 17r.2.00		**Technology:** PIM - Protocol-Independent Multicast
Symptom: Duplicate multicast traffic is transmitted		
Condition: After the Line Processor reboot or HA failover, a port is programmed twice for forwarding the multicast traffic.		
Recovery: Clear PIM multicast mcache entries.		

Defect ID:	DEFECT000650312	
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: Vxlan tunnel may not come up on leaf		
Condition: While resolving the collision during BGP session establishment.		

Defect ID:	DEFECT000650316	
Technical Severity: High		**Probability:** High
Product: Brocade SLX-OS		**Technology Group:** Traffic Management
Reported In Release: SLXOS 17r.1.01		**Technology:** Rate Limiting and Shaping
Symptom: When service-policy and strom-control config co-exist for the interface, traffic will be rate-limited as per the service-policy even after unbinding the service-policy from interface.		
Condition: Service-policy and storm-control config co-exist for the interface.		
Recovery: The issue has been fixed in SLXOS 17r.1.01 and will not be seen in SLXOS 17r.2.00.		

Defect ID:	DEFECT000650506	
Technical Severity: High	**Probability:** High	
Product: Brocade SLX-OS	**Technology Group:** Management	
Reported In Release: SLXOS 17r.1.01	**Technology:** SNMP - Simple Network Management Protocol	
Symptom: Incorrect values were returned to snmp query for mplsXCOperStatus		
Condition: Incorrect values were returned to snmp query for mplsXCOperStatus		

Defect ID:	DEFECT000650555	
Technical Severity: Critical	**Probability:** Medium	
Product: Brocade SLX-OS	**Technology Group:** MPLS	
Reported In Release: SLXOS 17r.1.00	**Technology:** MPLS Traffic Engineering	
Symptom: MPLS daemon may terminate with "late cleanup" appearing on the console.		
Condition: When ldp session bounces repeatedly.		

Defect ID:	DEFECT000650654	
Technical Severity: High	**Probability:** High	
Product: Brocade SLX-OS	**Technology Group:** SDN	
Reported In Release: SLXOS 17r.1.00	**Technology:** OpenFlow	
Symptom: SDN controller flapping and error message indicating flow instructions are not supported. The DPID exposed to the SDN controller by the SLX switch was same for some of the switches.		
Condition: When multiple SLX switches connect to the same controller.		

Defect ID:	DEFECT000650746	
Technical Severity: High	**Probability:** High	
Product: Brocade SLX-OS	**Technology Group:** Traffic Management	
Reported In Release: SLXOS 17r.1.01	**Technology:** Rate Limiting and Shaping	
Symptom: Statistics for Bridge domain based Rate Limiting is not incrementing after the HA fail over.		
Condition: Rate limiting statistics with bridge domain after HA fail over.		

Defect ID:	DEFECT000650925
Technical Severity: High	**Probability:** High
Product: Brocade SLX-OS	**Technology Group:** MPLS
Reported In Release: SLXOS 17r.1.01	**Technology:** MPLS Traffic Engineering
Symptom: Reachability issues through SLX	
Condition: The issue can be seen after HA failover. Incorrect handling of memory allocation and free causing SW and HW out of sync	
Recovery: Flap ingress and egress Ve interfaces	

Defect ID:	DEFECT000650965
Technical Severity: Medium	**Probability:** High
Product: Brocade SLX-OS	**Technology Group:** Monitoring
Reported In Release: SLXOS 17r.1.01	**Technology:** OAM - Operations, Admin & Maintenance
Symptom: The help menu for the command, "clear counters interface" displays an extra token "fibrechannel".	
Condition: The user executed "fibrechannel" in the command tree, "clear counters interface". This is an obsolete command.	

Defect ID:	DEFECT000650977
Technical Severity: High	**Probability:** Low
Product: Brocade SLX-OS	**Technology Group:** Layer 3 Routing/Network Layer
Reported In Release: SLXOS 17s.1.02	**Technology:** IPv6 Addressing
Symptom: A server or network device that is not in the IPv6 Management Interface LAN is not be able to communicate with the switch using its IPv6 address. ipv6 gw ip lost after shut/no shut.	
Condition: A "shutdown/no shutdown" operation was performed on the Management Interface.	
Recovery: The IPv6 address of the Management Interface is deleted and then reconfigured.	

Defect ID:	DEFECT000651062
Technical Severity: Medium	**Probability:** High
Product: Brocade SLX-OS	**Technology Group:** Layer 3 Routing/Network Layer
Reported In Release: SLXOS 17r.1.01	**Technology:** IPv6 Addressing
Symptom: 'show interface management' displays garbled IPv6 address instead of configured address.	
Condition: Execution of 'show interface management'	

Defect ID:	DEFECT000651102	
Technical Severity: High		**Probability:** High
Product: Brocade SLX-OS		**Technology Group:** Management
Reported In Release: SLXOS 17r.1.01		**Technology:** Configuration Fundamentals
Symptom: The port-channel trackport config under IPv6 VRRPE will be lost after a file replay of the config after reload of the system.		
Condition: Issue happens only with file replay of the port-channel track port config. postboot of the config will be working.		
Recovery: Postboot of the config. (copy running to start-up and reload)		

Defect ID:	DEFECT000651104	
Technical Severity: Low		**Probability:** High
Product: Brocade SLX-OS		**Technology Group:** Management
Reported In Release: SLXOS 17r.1.01		**Technology:** CLI - Command Line Interface
Symptom: "sh ipv6 route vrf mgmt-vrf" displays only the default route configured from CLI. Routes are installed properly.		
Condition: This issue was seen in a few switches.		
Workaround: Use "show ipv6 route vrf mgmt-vrf" command or in linux prompt "ip -6 route".		

Defect ID:	DEFECT000651259	
Technical Severity: High		**Probability:** High
Product: Brocade SLX-OS		**Technology Group:** Traffic Management
Reported In Release: SLXOS 17r.1.01		**Technology:** Rate Limiting and Shaping
Symptom: Unable to change the policer parameters for the default-class map, bound to an interface and being done for the second time.		
Condition: Able to change the policy values(Cir and eir) of default class(port-RL) only once		

Defect ID:	DEFECT000651382	
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: After HA failover all bfd sessions are down for multihop bgp bfd sessions.		
Condition: HA failover with BFD.		

Defect ID:	DEFECT000651384	
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: Intermittent flaps are seen for BFD sessions with 200ms for multihop bgp		
Condition: With triggers like shutdown active member of po/ve interface or reload the device		

Defect ID:	DEFECT000651445	
Technical Severity: High		**Probability:** High
Product: Brocade SLX-OS		**Technology Group:** Layer 3 Routing/Network Layer
Reported In Release: SLXOS 17r.1.01		**Technology:** IP Addressing
Symptom: Reachability issues through SLX		
Condition: The issue can be seen after hot insert of linecard or power off/on of linecard		

Defect ID:	DEFECT000651447	
Technical Severity: High		**Probability:** High
Product: Brocade SLX-OS		**Technology Group:** Layer 3 Routing/Network Layer
Reported In Release: SLXOS 17r.1.01		**Technology:** IP Addressing
Symptom: IP route gets deleted from routing table but the route does exist in the isis database and doesn't get updated.		
Condition: Execution of 'clear ip route' CLI.		
Workaround: Avoid using 'clear ip route' for specific prefix.		
Recovery: Execute 'clear ip route all' CLI.		

Defect ID:	DEFECT000651506	
Technical Severity: High		**Probability:** High
Product: Brocade SLX-OS		**Technology Group:** Management
Reported In Release: SLXOS 17r.1.01		**Technology:** Inband Management
Symptom: SLX OS will reset on standby MM when a cold boot is triggered on active MM with 8021ag MEP configured on the device		
Condition: SLX OS reset when it has 8021ag MEP, when Standby MM gets into cold recovery.		

Defect ID:	DEFECT000651721	
Technical Severity: High		**Probability:** High
Product: Brocade SLX-OS		**Technology Group:** Layer 2 Switching
Reported In Release: SLXOS 17r.1.01		**Technology:** VLAN - Virtual LAN
Symptom: Vxlan Traffic failed some times after HA failover is done due to Hardware programming failure		
Condition: Vxlan Traffic failed some times after HA failover is done due to Hardware programming failure		

Defect ID:	DEFECT000651748	
Technical Severity: High		**Probability:** High
Product: Brocade SLX-OS		
Reported In Release: SLXOS 17r.1.01		**Technology:** MAC Port-based Authentication
Symptom: Traffic may not get dropped with port security violation restrict mode on slx device on certain slots		
Condition: Traffic is not getting dropped with port security violation restrict mode on slx on certain slots		
Workaround: use other slot		

Defect ID:	DEFECT000651812	
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: Incoming PCP to TC map fails and Traffic mapping for VxLAN QOS in L2Gw is not working. DSCP value is propagates as per the default map.		
Condition: A port channel is made part of Bridge domain,		

Defect ID:	DEFECT000652028	
Technical Severity: Medium		**Probability:** Medium
Product: Brocade SLX-OS		**Technology Group:** Layer 3 Routing/Network Layer
Reported In Release: SLXOS 17r.1.01		**Technology:** ARP - Address Resolution Protocol
Symptom: Unresolved MAC in ARP table even though MAC has been resolved as per MAC table.		
Condition: HA failover right after LC power cycling.		
Workaround: Power-on/power-cycle LC to ensure it is in upstate before performing HA failover		
Recovery: Flap ingress / egress VE's to recover from L3 forwarding issue.		

Defect ID:	DEFECT000652075	
Technical Severity: High		**Probability:** High
Product: Brocade SLX-OS		**Technology Group:** Monitoring
Reported In Release: SLXOS 17r.2.00		**Technology:** Hardware Monitoring
Symptom: Observed nsmd, dot1agdd terminate after copy running config to startup config.		
Condition: Issue is fixed in this release, but exists in previous releases. Issue was seen when layer 3 interfaces are deleted.		

Defect ID:	DEFECT000652203	
Technical Severity: High		**Probability:** High
Product: Brocade SLX-OS		**Technology Group:** IP Multicast
Reported In Release: SLXOS 17r.2.00		**Technology:** IGMP - Internet Group Management Protocol
Symptom: Physical port configuration -- "switchport" will throw error as "%% Error: Remove L3 configuration from the interface" even though there is no Layer 3 configurations present in switch.		
Condition: If any of the following commands are configured and then unconfigured again with "no xx" form of the same cli command, "ip igmp immediate-leave", "ip igmp last-member-query-interval", "ip igmp query-interval", "ip igmp query-max-response-time",		
Recovery: Reboot the switch after removing the configured IGMP commands.		

Defect ID:	DEFECT000652212	
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 <get-config> RPC failed for system monitor data and session was closed without <rpc-reply>. The RPC is as follows: <?xml version="1.0" encoding="UTF-8"?> <rpc message-id="1300" xmlns="urn:ietf:params:xml:ns:netconf:base:1.0"> <get-config> <source> <running/> </source> <filter type="subtree"> <system-monitor xmlns="urn:brocade.com:mgmt:brocade-system-monitor"></system-monitor> </filter> </get-config> </rpc>]]>]]>		
Condition: When there is a need to use NETCONF to get the system-monitor configuration.		

Defect ID:	DEFECT000652300	
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: Traffic convergence will be slow during VPLS configuration		
Condition: For Load balanced PW with maximum number of paths (16), all the path need to be programmed in the hardware. The total time for the program completion of all PWs will be directly proportional to number of PW scale and load balance paths.		

Defect ID:	DEFECT000652391	
Technical Severity: Critical		**Probability:** High
Product: Brocade SLX-OS		**Technology Group:** Traffic Management
Reported In Release: SLXOS 17r.1.01		**Technology:** Traffic Queueing and Scheduling
Symptom: Intermittent termination of qosd process is seen. The issue has been fixed in both SLXOS 17r.1.01 and SLXOS 17r.2.00.		
Condition: Storm-control config is added and/or removed from an interface multiple times. The switch is configured to use TCAM profile " layer2-optimized-1"		

Defect ID:	DEFECT000652392	
Technical Severity: Critical		**Probability:** High
Product: Brocade SLX-OS		**Technology Group:** MPLS
Reported In Release: SLXOS 17r.1.01		**Technology:** IP over MPLS
Symptom: on LDP session down; mpls process fault might be seen		
Condition: During LDP configuration		

Defect ID:	DEFECT000652578	
Technical Severity: High		**Probability:** High
Product: Brocade SLX-OS		**Technology Group:** Security
Reported In Release: SLXOS 17r.1.01		**Technology:** ACLs - Access Control Lists
Symptom: When a ACL is applied to the management interface, it logs the denies in the raslog. Incorrect destination port number is displayed.		
Condition: On application of a standard or extended ACL on Mgmt interface.		

Defect ID:	DEFECT000652579	
Technical Severity: High		**Probability:** High
Product: Brocade SLX-OS		**Technology Group:** Security
Reported In Release: SLXOS 17r.1.01		**Technology:** ACLs - Access Control Lists
Symptom: One of the mgmt. interfaces says ACL not applied when doing "show access-list int mgmt", even though show run has it, and it is honoring the ACL on that port. Occurs in a dual MM chassis.		
Condition: ACL is applied on mgmt interface. and "show access-list int mgmt" is issued.		

Defect ID:	DEFECT000652705	
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: When user configures an "irb ve" interface under a VRF and tries to clean the config. Even though it does not show the completion of the "no" command, but still the "no" command clears the config.		
Condition: When a "no" command for the "irb ve" configuration command under a VRF is tried, the command accepts and cleans the "evpn irb ve <num>" config, even though confd does not show it to be a complete command.		
Workaround: A user can reconfigure the same "evpn irb ve <num>" configuration.		
Recovery: A user can reconfigure the same "evpn irb ve <num>" configuration. Doing so will bring the system in the same state.		

Defect ID:	DEFECT000652757	
Technical Severity: High		**Probability:** High
Product: Brocade SLX-OS		**Technology Group:** MPLS
Reported In Release: SLXOS 17r.2.00		**Technology:** BGP/MPLS VPN
Symptom: MPLS protocols are down after HA failure		
Condition: MPS configuration and redundant MMs.		

Defect ID:	DEFECT000652844	
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: Assigining auto VNImanually to BD EVI does not work.		
Condition: If the same EVI is assigned as VNI for BD, It is assigned either wrongly to a vlan or VNI for that BD is set to 0. Issue is fixed in this release, but exists in previous releases. Issue was seen when a tunnel is extended with a BD and auto vni config initially. Now remove auto config which will lead to VLAN being configure to this VNI instead of BD.		

Defect ID:	DEFECT000652929
Technical Severity: High	**Probability:** High
Product: Brocade SLX-OS	**Technology Group:** MPLS
Reported In Release: SLXOS 17r.2.00	**Technology:** MPLS Traffic Engineering
Symptom: mplsd fault results in scrolling output on standby	
Condition: MPLS configuration with HA	

Defect ID:	DEFECT000653198
Technical Severity: High	**Probability:** High
Product: Brocade SLX-OS	**Technology Group:** Management
Reported In Release: SLXOS 17r.1.01	**Technology:** Configuration Fundamentals
Symptom: VPLS traffic loss observed	
Condition: Bridge domain is attached to MCT and the Pseudo wire became standby.	

Defect ID:	DEFECT000653245
Technical Severity: High	**Probability:** High
Product: Brocade SLX-OS	**Technology Group:** Monitoring
Reported In Release: SLXOS 17r.2.00	**Technology:** sFlow
Symptom: sflow sampled pkts may not be lifted to some ipv6 collectors	
Condition: sflow sampled pkts may not be lifted to some ipv6 collectors	

Defect ID:	DEFECT000653420
Technical Severity: High	**Probability:** High
Product: Brocade SLX-OS	**Technology Group:** Security
Reported In Release: SLXOS 17r.2.00	**Technology:** 802.1x Port Authentication
Symptom: Member ports of port-channel could flapping when port-security violation occur	
Condition: Member ports of port-channel could flapping when port-security violation occur	

Defect ID:	DEFECT000653424
Technical Severity: High	**Probability:** High
Product: Brocade SLX-OS	**Technology Group:** Security
Reported In Release: SLXOS 17r.2.00	**Technology:** 802.1x Port Authentication
Symptom: System may terminate at l2sysd when executed "sh port-security addresses"	
Condition: Always happen with port security being configured.	

Defect ID:	DEFECT000653427	
Technical Severity: Low		**Probability:** High
Product: Brocade SLX-OS		**Technology Group:** Monitoring
Reported In Release: SLXOS 17r.1.01		**Technology:** Telemetry
Symptom: Unexpected reload of device		
Condition: Unexpected reload of device with Telemetry provisioned for Interface Statistics and Telemetry server connects.		
Workaround: Disable Telemetry for Interface Stats		
Recovery: Disable Telemetry server and reload the system.		

Defect ID:	DEFECT000653541	
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: Issue fixed in this release		
Condition: Issue fixed in this release		

Defect ID:	DEFECT000653564	
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: After HA failover; some VPLS / VLL circuits remain down		
Condition: High scale VPLS/VLL connections (4000 PWE3 and above)		

Defect ID:	DEFECT000653689	
Technical Severity: High		**Probability:** High
Product: Brocade SLX-OS		**Technology Group:** IP Multicast
Reported In Release: SLXOS 17r.2.00		**Technology:** PIM - Protocol-Independent Multicast
Symptom: The router sends multicast traffic for unknown groups after a HA (High Availability) fail over.		
Condition: PIM SM configuration and User has done HA failover.		
Recovery: Clear PIM mcache entries after HA (High Availability) fail over.		

Defect ID:	DEFECT000653727	
Technical Severity: High		**Probability:** High
Product: Brocade SLX-OS		**Technology Group:** Monitoring
Reported In Release: SLXOS 17r.1.01		**Technology:** OAM - Operations, Admin & Maintenance
Symptom: Customer using Y1731 delay measurement with SLX 9540 will observe inaccuracy in delay measurement data with software releases 17r.1.01 or prior versions		
Condition: Customer will observe the behavior with SLX 9540 and software releases 17r.1.01 or prior versions		

Defect ID:	DEFECT000653815	
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: If power cycle off /on performed on LC's on a fusion device with multiple LC's randomly there are chances LC goes to faulty state. If proper time delay is given between multiple off and on issue is not seen		
Condition: If we randomly issue power off/on on LC's then only issue is seen		

Defect ID:	DEFECT000653830	
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 will rarely see the termination of qosagtd process during the bootup.		
Condition: Reload the device multiple times with huge QoS configuration. The issue has been fixed in SLXOS 17r.2.00.		

Defect ID:	DEFECT000653920	
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: NSM daemon terminates upon advertising 2M routes from Spirent traffic generator and reloading the Fusion box.		
Condition: Issue is fixed in this release, but exists in previous releases. Issue was seen when layer 3 interfaces are deleted.		

Defect ID:	DEFECT000653938	
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: BGP deamon may reload if a route-map is applied on a NLRI which has a long AS-path.		
Condition: When a route-map is applied to a NLRI which has more than 40 AS numbers in AS-path.		

Defect ID:	DEFECT000653984	
Technical Severity: Critical		**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: Flow configuration on SLX9850 in openflow mode with Ether type ARP as match filter could throw up errors		
Condition: Flow configuration on SLX9850 in openflow mode with Ether type ARP as match filter could throw up errors		

Defect ID:	DEFECT000654162	
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: Observed Nsm daemon termination after HA failover in SQA test case during save and reboot		
Condition: Issue is fixed in this release, but exists in previous releases. Issue was seen when layer 3 interfaces are deleted.		

Defect ID:	DEFECT000654665	
Technical Severity: Medium		**Probability:** High
Product: Brocade SLX-OS		**Technology Group:** Layer 3 Routing/Network Layer
Reported In Release: SLXOS 17r.2.00		**Technology:** BFD - BiDirectional Forwarding Detection
Symptom: Shutdown on VE creates a stale BFD session.		
Condition: When the Tx L3 port doesn't match with the L3 port lending its IP address to BFD session as SIP, VE down event created stable BFD sessions. This would cause BFD session flap due to extra packets on the remote Rx side.		

Defect ID:	DEFECT000655152	
Technical Severity:	High	Probability: High
Product:	Brocade SLX-OS	Technology Group: MPLS
Reported In Release:	SLXOS 17r.1.01	Technology: MPLS Traffic Engineering
Symptom:	System terminates while bringing up the LSP	
Condition:	When LSP is assigned to a bridge domain which is a secondary path, remove the LSP and re-add LSP with same name	
Workaround:	Remove LSP assigned from bridge-domain before removing the LSP configuration	

Defect ID:	DEFECT000655449	
Technical Severity:	Medium	Probability: Medium
Product:	Brocade SLX-OS	Technology Group: Management
Reported In Release:	SLXOS 17r.1.01	Technology: CLI - Command Line Interface
Symptom:	Can not set specified speed on management RJ-45 interface. Get an error: 'Cannot set specified speed'.	
Condition:	User is trying to set the speed on the management port.	

Defect ID:	DEFECT000655455	
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:	POST query on any RPC throws error as Not acceptable	
Condition:	when the content header type is not mentioned in the request	

Defect ID:	DEFECT000655557	
Technical Severity:	High	Probability: High
Product:	Brocade SLX-OS	Technology Group: Security
Reported In Release:	SLXOS 17r.2.00	Technology: 802.1x Port Authentication
Symptom:	unknown mac address could be seen in sh port-security addresses	
Condition:	unknown mac address could be seen in sh port-security addresses	

Defect ID:	DEFECT000655656	
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: brocadeOpticalMonitoringMIB objects display value only when interface is up. Need to display even for disabled interfaces.		
Condition: When Interface is down but optics are connected to it.		

Defect ID:	DEFECT000655692	
Technical Severity: High	**Probability:** High	
Product: Brocade SLX-OS	**Technology Group:** Management	
Reported In Release: SLXOS 17r.2.00	**Technology:** Configuration Fundamentals	
Symptom: POST query on any RPC errors out as not found.		
Condition: NA		

Defect ID:	DEFECT000655792	
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: When the REST request is given with postman tool		
Condition: with No Auth as authorization type followed by Basic Auth ,		
Workaround: Do not use No Auth .		

Defect ID:	DEFECT000655912	
Technical Severity: High	**Probability:** High	
Product: Brocade SLX-OS	**Technology Group:** Management	
Reported In Release: SLXOS 17r.2.00	**Technology:** Software Installation & Upgrade	
Symptom: nsmd terminates when node generates a local/remote fault and subsequent change in the LFS configuration at interface level.		
Condition: Defect is fixed in this release. Issue was seen after some time when LFS enable/disable config was done on avalanche box.		

Defect ID:	DEFECT000655918	
Technical Severity: High		**Probability:** High
Product: Brocade SLX-OS		**Technology Group:** Layer 3 Routing/Network Layer
Reported In Release: SLXOS 17r.1.01		**Technology:** IP Addressing
Symptom: When supportsave is taken, "show mpls ldp fec vc" command may run into an infinite loop in certain cases		
Condition: When supportsave is taken, "show mpls ldp fec vc" command may run into an infinite loop in certain cases		

Defect ID:	DEFECT000656443	
Technical Severity: Critical		**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: BD number is not translated with correct type in NSM resulting in wrong evid for BD		
Condition: Defect is fixed in this release. Issue was seen when tunnel is extend with BD with auto vni.		

Defect ID:	DEFECT000656490	
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: In highly scaled 8021ag /Y1731 SLM or DM sessions, user might experience reset of SLX-OS while adding removing Y1731 SLM or DM sessions.		
Condition: SLXOS reset when there 128 Y1731 SLM or DM scheduled sessions and the last session is being removed.		
Workaround: User can avoid the reset by configuring 127 Y1731 SLM or DM sessions instead of 128		

Defect ID:	DEFECT000656530	
Technical Severity: High		**Probability:** High
Product: Brocade SLX-OS		**Technology Group:** Monitoring
Reported In Release: SLXOS 17r.2.00		**Technology:** Telemetry
Symptom: Streaming doesn't work if gRPC server is configured to run on non-default port		
Condition: If gRPC server is required to be listening on a non-default port.		

Defect ID:	DEFECT000656535	
Technical Severity: High		**Probability:** High
Product: Brocade SLX-OS		**Technology Group:** Management
Reported In Release: SLXOS 17r.2.00		**Technology:** Configuration Fundamentals
Symptom: When Stats encaps are exhausted and RSVP LSPs that need statistics are enabled, those LSPs will come up but not forward any traffic. This can be very confusing.		
Condition: Happens when stats based encaps are exhausted and an RSVP LSP is enabled. The LSP will come up but not be able to forward any traffic.		

Defect ID:	DEFECT000656832	
Technical Severity: High		**Probability:** High
Product: Brocade SLX-OS		**Technology Group:** Layer 3 Routing/Network Layer
Reported In Release: SLXOS 17r.2.00		**Technology:** Static Routing (IPv4)
Symptom: Default route not installed after shut/no-shut of management interfaces		
Condition: Issue is seen when switch has two MMs, and MM2 is active and management interface is shut and no-shut.		

Defect ID:	DEFECT000656837	
Technical Severity: High		**Probability:** High
Product: Brocade SLX-OS		**Technology Group:** Layer 3 Routing/Network Layer
Reported In Release: SLXOS 17r.2.00		**Technology:** OSPFv3 - IPv6 Open Shortest Path First
Symptom: Not able to remove the area range configuration from running configuration if same area range is configured in multiple formats of ipv6 address.		
Condition: Same area range is configured in multiple formats of ipv6 address - eg 100::/64, 100:0::/64, 100:0:0::/64 etc		

Defect ID:	DEFECT000656889	
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: On certain operation with LAG with CFM, RMEP moves to failed state and does not recover.		
Condition: Port-channel admin disable followed by enable		

Defect ID:	DEFECT000657179	
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 that Y1731 2-Way Scheduled Delay Measurement history has stopped without any trigger..		
Condition: Issue will be observed with user is using Y1731 2-Way Scheduled Delay Measurement, when Delay Measurement is running on port-channel when port-channel and VPLS/VLL Psuedowire interface are on different slots or units within a slot.		

Defect ID:	DEFECT000657432	
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: Unable to configure more than 20 communities in 'set community' command under route-map		
Condition: Applicable to : - SLX 9850 - SLX 9540		

Defect ID:	DEFECT000657665	
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: SLXOS on standby Management module will observe a reset, when Y1731 2-way on-demand Delay measurement is run on active MM continuously.		
Condition: The issue will be observed when on-demand delay measurement is run continuously without any delay.		
Workaround: The successive on-demand delay measurement should be executed with a slight gap of 3 seconds.		

Closed without code changes 17r.2.00

This section lists software defects with Critical, High, and Medium Technical Severity closed without a code change as of **12/27/2017** in 17r.2.00.

Defect ID: DEFECT000620771	**Technical Severity:** High
Reason Code: Feature/Function Not Supported	**Probability:** Medium
Product: Brocade SLX-OS	**Technology Group:** Layer 3 Routing/Network Layer
Reported In Release: SLXOS 17r.1.00	**Technology:** IP Addressing
Symptom: First IGMP leave message is honored but 2nd leave message for a different source but same Group from same port is ignored.	
Condition: First IGMP leave message is honored but 2nd leave message for a different source but same Group from same port is ignored.	

Defect ID: DEFECT000620779	**Technical Severity:** High
Reason Code: Feature/Function Not Supported	**Probability:** Medium
Product: Brocade SLX-OS	**Technology Group:** Layer 3 Routing/Network Layer
Reported In Release: SLXOS 17r.1.00	**Technology:** IP Addressing
Symptom: IGMPv2 leave has no effect and mcache entry is not deleted if IGMPv3 is configured on the interface	
Condition: IGMPv2 leave has no effect and mcache entry is not deleted if IGMPv3 is configured on the interface	

Defect ID: DEFECT000623186	**Technical Severity:** High
Reason Code: Will Not Fix	**Probability:** Low
Product: Brocade SLX-OS	**Technology Group:** Layer 3 Routing/Network Layer
Reported In Release: SLXOS 17r.1.00	**Technology:** BGP4 - IPv4 Border Gateway Protocol
Symptom: In extreme rare cases, if multiple daemons which all support process restart unexpectedly reload at the same time, system will trigger HA failover for recovery instead of individual daemon process restart. During this process, old active MM may see a system termination. But this will not impact HA failover.	
Condition: This should only happen during extreme rare cases, if multiple daemons which all support process restart unexpectedly reload at the same time.	
Recovery: This situation is self recovered anyway since HA failover is triggered for this case.	

Defect ID: DEFECT000624194	**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.1.00	**Technology:** IS-IS - IPv4 Intermediate System to Intermediate System
Symptom: User may observe that ISIS/OSPF/BGP process will not function properly after restart	
Condition: This issue may be observed when ISIS/OSPF/BGP process is restarted continuously	

Defect ID: DEFECT000629433	Technical Severity: High
Reason Code: Not Reproducible	Probability: Low
Product: Brocade SLX-OS	Technology Group: MPLS
Reported In Release: SLXOS 16r.1.01	Technology: MPLS VPLS - Virtual Private LAN Services
Symptom: After HA some MAC address were learned in wrong BD. These entries eventually ageout and are deleted after 15-30 mins. The issue is transient (specific to HA scenario) without any functional impact	
Condition: Issue happens after HA failover.	

Defect ID: DEFECT000631065	Technical Severity: High
Reason Code: Design Limitation	Probability: Low
Product: Brocade SLX-OS	Technology Group: Security
Reported In Release: SLXOS 17r.1.00	Technology: ACLs - Access Control Lists
Symptom: LDP session with the VPLS peer node flaps once when ACL applied on VPLS endpoint is unconfigured and then reconfigured.	
Condition: with TCAM scaled to its limit, user unconfigures and reconfigures the ACL on the VPLS endpoint.	

Defect ID: DEFECT000633815	Technical Severity: High
Reason Code: Will Not Fix	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: L3VPN packets are not forwarded from ingress PE router.	
Condition: Traffic over L3VPN with IP payload length greater than 1470 bytes.	
Workaround: Limit IP Payload length to less than 1470 bytes.	

Defect ID: DEFECT000634288	Technical Severity: High
Reason Code: Not Reproducible	Probability: Medium
Product: Brocade SLX-OS	Technology Group: Layer 2 Switching
Reported In Release: SLXOS 17r.1.00	Technology: MCT - Multi-Chassis Trunking
Symptom: With an scaled MCT EVPN configuration, linecard may reload.	
Condition: Flapping cluster peers in an scaled MCT EVPN configuration.	

Defect ID: DEFECT000636756	Technical Severity: High
Reason Code: Will Not Fix	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: After clear ip bgp neighbor all command is executed, BGP routing table will be empty until user executes the same command after some time.

Condition: When Route-maps, Prefix-list or other policies are changed, if user executes clear command before the filter update delay is expired (default 10s), all routes are cleared and not updated until the filter change update delay is expired.

Workaround: Use clear ip bgp neighbor all command one more time after the filter change notification delay is complete. The default value for filter change update delay is 10 seconds.

Recovery: Use clear ip bgp neighbor all command one more time after the filter change notification delay is complete. The default value for filter change update delay is 10 seconds.

Defect ID: DEFECT000637030	Technical Severity: High
Reason Code: Will Not Fix	Probability: Medium
Product: Brocade SLX-OS	Technology Group: Layer 2 Switching
Reported In Release: SLXOS 17r.1.01	Technology: VXLAN - Virtual Extensible LAN

Symptom: The hashing wil not work on the inner L4 and inner IPv6 SPA/DPA for the Vxlan Encapsulated packets.

Condition: BRCM does not support the inner l4 fields and inner ipv6 spa/dpa for hashing. Hence, this cannot be supported

Defect ID: DEFECT000637368	Technical Severity: High
Reason Code: Already Fixed in Release	Probability: Low
Product: Brocade SLX-OS	Technology Group: Management
Reported In Release: SLXOS 17r.1.01	Technology: Software Installation & Upgrade

Symptom: Dcmd process terminates but switch still comes up fine after reboot.

Condition: This failure during switch reload

Defect ID: DEFECT000638795	Technical Severity: High
Reason Code: Not Reproducible	Probability: Low
Product: Brocade SLX-OS	Technology Group: Layer 2 Switching
Reported In Release: SLXOS 17r.1.01	Technology: MCT - Multi-Chassis Trunking

Symptom: In MCT network with multiple client, all cluster client flaps in case of scale mac numbers.

Condition: With scale of 100,000 mac, issue 'clear mac-address-table cluester' and clear arp" commands. Also make client down and up.
It will make other clients to flap.

Workaround: Not available

Recovery: It recovers itself after sometime.

Defect ID:	DEFECT000638881	Technical Severity:	High
Reason Code: Not Reproducible		**Probability:** Low	
Product: Brocade SLX-OS		**Technology Group:** IP Multicast	
Reported In Release: SLXOS 17r.1.01		**Technology:** PIM - Protocol-Independent Multicast	

Symptom: Sometime multicast traffic may flow on block-assert port due to asserting in PIM SM network.

Condition: This issue happens with assert scenario in PIM SM network.

Recovery: Recovery is to clear affected multicast entry using "clear ip pim mcache" command.

Defect ID:	DEFECT000639226	Technical Severity:	High
Reason Code: Not Reproducible		**Probability:** Low	
Product: Brocade SLX-OS		**Technology Group:** MPLS	
Reported In Release: SLXOS 17r.1.01		**Technology:** BGP/MPLS VPN	

Symptom: L3VPN routes may point to wrong tunnel ID.

Condition: If " clear mpls ldp neighbor all" is done 10 times via scripts with 60sec intervals. L3VPN routes may point to wrong tunnel id.

Workaround: Avoid "clear mpls ldp neighbor all" multiple times, wait for a while before doing subsequent trials.

Recovery: Disable/enable all LDP lsps.

Defect ID:	DEFECT000639577	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.1.01		**Technology:** MBGP - Multiprotocol Border Gateway Protocol	

Symptom: L3VPN traffic is dropped in egress PE device.

Condition: Configure a new VRF for L3VPN along with more than 4K MPLS Tunnel (LDP+RSVP) and cross connect,

Defect ID: DEFECT000639652	Technical Severity: Medium
Reason Code: Not Reproducible	Probability: High
Product: Brocade SLX-OS	Technology Group: Layer 2 Switching
Reported In Release: SLXOS 17r.1.01	Technology: MCT - Multi-Chassis Trunking
Symptom: On dual-homed setups, if traffic from a client node is stopped and 'clear mac-address-table dynamic' is executed on both peers, a few remote client MAC addresses (CCR MAC) may remain on one of the nodes.These will be displayed when the user executes 'show mac-address-table' on this node and will be missing from the peer node. Since these MAC addresses are remote addresses, they will not age out or re-sync to the peer. On this node, traffic with destination as one of these MAC addresses will be continue to be forwarded to the client interface on which they were learnt.	
Condition: The issue may be seen intermittently on dual-homed setups with very high number of MAC addresses	
Workaround: Allow MAC addresses to age out instead of executing 'clear mac-address-table' after traffic stops	
Recovery: Restart traffic from these client MAC addresses	

Defect ID: DEFECT000639976	Technical Severity: High
Reason Code: Not Reproducible	Probability: Low
Product: Brocade SLX-OS	Technology Group: Layer 2 Switching
Reported In Release: SLXOS 17r.1.01	Technology: MCT - Multi-Chassis Trunking
Symptom: Communication failure between MCT nodes for specific VLANs/Bridge-Domains (BDs)	
Condition: In rare scaled VE use cases where multiple events are triggered simultaneously the management module and line card module goes out of sync.	
Workaround: User can do clear mac for the VLAN/BD to resolve the issue.	
Recovery: User can do clear mac for the VLAN/BD to resolve the issue.	

Defect ID: DEFECT000640241	Technical Severity: High
Reason Code: Design Limitation	Probability: High
Product: Brocade SLX-OS	Technology Group: MPLS
Reported In Release: SLXOS 17r.1.01	Technology: IP over MPLS
Symptom: In case of L3 MCT scenario, the packets coming out of ICL link may be corrupted and get dropped when the ICL interface is either VLAN untagged or router port.	
Condition: The packets coming out of ICL link in case of L3 MCT may be tagged instead of untagged and hence considered as corrupted and dropped. This happens only when the ICL link is either vlan untagged or router port.	
Workaround: Using VLAN tagged port for the ICL link would resolve the issue	

Defect ID: DEFECT000640361	Technical Severity: High
Reason Code: Design Limitation	**Probability:** High
Product: Brocade SLX-OS	**Technology Group:** Layer 2 Switching
Reported In Release: SLXOS 17r.1.01	**Technology:** VXLAN - Virtual Extensible LAN
Symptom: If customer has a VTEP Node with site 1 & Site 2 and extend a specific VLAN only on site 2. If the traffic is received from the corresponding VNI on site 1, it will still be flooded/forward on the VLAN (though site 1 was not extended on the specific VLAN)	
Condition: It is a misconfiguration since the vlan is extended only on 1 VTEP Node and not on the other node, this limitation can be documented as part of the configuration guide.	

Defect ID: DEFECT000641231	Technical Severity: High
Reason Code: Design Limitation	**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: In case of L3 MCT scenario, the packets coming out of ICL link may be corrupted and get dropped .	
Condition: This happens only when the ICL link is either VLAN untagged or router port.	
Workaround: Using VLAN tagged port for the ICL link would resolve the issue	

Defect ID: DEFECT000642199	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.1.01	**Technology:** BGP4+ - IPv6 Border Gateway Protocol
Symptom: After firmware upgrade, very few IPv6 BGP sessions might not come up properly and might remain at CONN state.	
Condition: This might happen during firmware upgrade.	
Workaround: 'shutdown ' followed by 'no shutdown' CLI execution on the corresponding L3 interface mostly solves the problem.	

Defect ID: DEFECT000642273	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.1.01	**Technology:** BGP4 - IPv4 Border Gateway Protocol
Symptom: Some BGP routes might not be added to RIB under route scale condition.	
Condition: When routes are flapped when the number of routes in RIB is close to route limit of 255k IPv4 routes.	
Recovery: issue 'clear ip route bgp' to re-add BGP routes to RIB.	

Defect ID:	DEFECT000642415	Technical Severity:	High
Reason Code: Not Reproducible		**Probability:** Low	
Product: Brocade SLX-OS		**Technology Group:** MPLS	
Reported In Release: SLXOS 17r.1.01		**Technology:** MPLS Traffic Engineering	

Symptom: Issue observed in unlikely stress-to-fail scenarios only where few of the detour path of FRR LSPs won't come UP since their retry timer is not running.

Condition: RSVP Detour FRR LSPs configuration with moderate (few hundreds FRR LSPs) to high (few thousands) scale.
Events to trigger bring down of an existing operational detour path followed by attempt to bring them up may lead to this issue.

Workaround: Clearing the LSP from Ingress router will rectify the condition.

Recovery: Clearing the LSP from ingress will rectify the condition.

Defect ID:	DEFECT000642418	Technical Severity:	Medium
Reason Code: Not Reproducible		**Probability:** High	
Product: Brocade SLX-OS		**Technology Group:** Layer 2 Switching	
Reported In Release: SLXOS 17r.1.01		**Technology:** MCT - Multi-Chassis Trunking	

Symptom: stale CCL mac entries in mac-address-table

Condition: client-interface shutdown after flapping the cluster for few times

Recovery: need to remove the stale entries in MAC table using the below CLI:
clear mac-address-table cluster

Defect ID:	DEFECT000642720	Technical Severity:	High
Reason Code: Not Reproducible		**Probability:** Low	
Product: Brocade SLX-OS		**Technology Group:** Management	
Reported In Release: SLXOS 17r.1.01		**Technology:** SNMP - Simple Network Management Protocol	

Symptom: Customer will see error messages like "ERROR IPC: IPC checksum 0000B413 should be 000010E8, msg 209 p=B25EF05D len=32696" in LC console.

Condition: No impact to the traffic. The issue here is transient due to some dysync packet corruption. A recovery mechanism is in place in pwm which will trigger dy sync redownload in such error scenarios

Defect ID:	DEFECT000643332	Technical Severity:	High
Reason Code: Not Reproducible		Probability: Low	
Product: Brocade SLX-OS		Technology Group: Traffic Management	
Reported In Release: SLXOS 17r.1.01		Technology: Rate Limiting and Shaping	

Symptom: In scale scenario stats does not work for some class-maps

Condition: If stats are enabled in scaled setup and stats resources are exhausted then stats may not work for some class-maps.

Workaround: No workaround

Recovery: Reduce scale.

Defect ID:	DEFECT000643347	Technical Severity:	High
Reason Code: Not Reproducible		Probability: Low	
Product: Brocade SLX-OS		Technology Group: Management	
Reported In Release: SLXOS 17r.1.01		Technology: Software Installation & Upgrade	

Symptom: Customer will observe box being rebooted.

Condition: Rest/Netconf requests are in process or just finished when "show" cli is being issued in parallel.

Workaround: "show" CLIs to be avoided while netconf/Rest heavy operations are going on.

Recovery: Device should recover automatically after reboot.

Defect ID:	DEFECT000643484	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.1.01		Technology: MBGP - Multiprotocol Border Gateway Protocol	

Symptom: BGP daemon restarts upon issuing repeatedly 'clear ip bgp neighbor all'.

Condition: BGP daemon restart upon issuing repeatedly 'clear ip bgp nei all' when BGP is running IPv4, IPv6 and L3VPN address-families.

Workaround: Avoid issuing command 'clear ip bgp neighbor all' repeatedly.

Defect ID: DEFECT000643651	Technical Severity: High
Reason Code: Not Reproducible	Probability: Low
Product: Brocade SLX-OS	Technology Group: Layer 2 Switching
Reported In Release: SLXOS 17r.1.01	Technology: MCT - Multi-Chassis Trunking
Symptom: After linecard reloads on scaled MCT setup, mac entry may fails to get populated correctly causing traffic to be flooded on VLAN.	
Condition: After linecard reload, MAC entries can get out of sync between line card and management module due to system load. This could result into stale MAC entries resulting into traffic flooding over the VLAN.	
Recovery: Clear mac table to repopulate the MAC entries	

Defect ID: DEFECT000643819	Technical Severity: High
Reason Code: Not Reproducible	Probability: Low
Product: Brocade SLX-OS	Technology Group: IP Multicast
Reported In Release: SLXOS 17r.1.01	Technology: PIM - Protocol-Independent Multicast
Symptom: Traffic outage can be observed.	
Condition: Removal and addition of BSR's config can lead to the issue.	
Workaround: Configure static RP.	

Defect ID: DEFECT000646221	Technical Severity: High
Reason Code: Not Reproducible	Probability: High
Product: Brocade SLX-OS	Technology Group: Traffic Management
Reported In Release: SLXOS 17r.1.01	Technology: Rate Limiting and Shaping
Symptom: An unexpected reload will be seen.	
Condition: Update the information rates (cir/eir) of the VLAN based policer which is already binded to an interface.	

Defect ID: DEFECT000648130	Technical Severity: Medium
Reason Code: Design Limitation	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 observe below log on console when statistics is enabled in high scale of MPLS configuration. "Stats Encaps are exhausted. All Encaps are already being used"	
Condition: Clear MPLS and Interface flap	

Defect ID: DEFECT000649800	Technical Severity: High
Reason Code: Design Limitation	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 can observe 4 min traffic drop if any one of MCT peer goes for reload.	
Condition: MCT peer node reload.	

Defect ID: DEFECT000649920	Technical Severity: High
Reason Code: Design Limitation	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 observe Layer 2 VPN traffic loss if MCT peer node is reloaded.	
Condition: MCT peer node reload.	
Recovery: Traffic recovers on its own after about 2 minutes	

Defect ID: DEFECT000653964	Technical Severity: High
Reason Code: Will Not Fix	Probability: High
Product: Brocade SLX-OS	Technology Group: MPLS
Reported In Release: SLXOS 17r.1.01	Technology: MPLS VPLS - Virtual Private LAN Services
Symptom: VPLS traffic drops when the underlying LSP switch from primary to bypass path.	
Condition: Bypass LSP is not supported over untagged ve or router interface.	
Workaround: IBypass lsp need to be configured over tagged ve interface.	

Known issues 17r.2.00

This section lists open software defects with Critical, High, and Medium Technical Severity as of **12/27/2017** in 17r.2.00.

Defect ID: DEFECT000616456	
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: Customer will see an extra MAC learnt on tunnel with wrong Vlan and Interface. The extra MAC is the MAC belonging to the remote Router Port Interface, which comes to the local node as the outer header L2 hdr SA-MAC. This would happen only when the customer has a static-Vxlan Tunnel configured using a router-port underlay. Issue seen when: 1. Have a Static Vxlan tunnel. 2. Use router port for underlay. Issue not seen in: 1. If underlay is VE and static-Vxlan, issue not seen. 2. If EVPN-Vxlan tunnel issue won't be seen.	
Condition: Issue seen only when the customer has a static-Vxlan Tunnel configured using a router-port underlay.	

Defect ID: DEFECT000627194	
Technical Severity: High	**Probability:** High
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: DEFECT000632195	
Technical Severity: Medium	**Probability:** High
Product: Brocade SLX-OS	**Technology Group:** Security
Reported In Release: SLXOS 17r.1.00	**Technology:** 802.1x Port Authentication
Symptom: incorrect interface status is shown as "show interface eth <port> line protocol down (authentication failed). The correct status should be "line protocol is down (Dot1x authenticating)"	
Condition: Single Dot1x client is logged in followed by log off and the port has been put in down state	

Defect ID:	DEFECT000633316	
Technical Severity: High	**Probability:** High	
Product: Brocade SLX-OS	**Technology Group:** IP Multicast	
Reported In Release: SLXOS 17r.1.01	**Technology:** PIM - Protocol-Independent Multicast	
Symptom: few mcache entries may be seen in PIM. There is no impact to traffic.		
Condition: In a linear kind of topology where the RP is residing away from the source and furthur away from receiver.		
Workaround: RP should be between source and receiver.		
Recovery: clear the mcache using clear command.		

Defect ID:	DEFECT000634727	
Technical Severity: Medium	**Probability:** High	
Product: Brocade SLX-OS	**Technology Group:** Layer 2 Switching	
Reported In Release: SLXOS 17s.1.01	**Technology:** VLAN - Virtual LAN	
Symptom: The command "show ip interface Ve <id>" doesn't display the bridge-domain id that the VE interface is associated with.		
Condition: 1. The user configured a VE (SVI) interface. 2. The user associated that VE to a Bridge-domain. 3. The user issued the command, "show ip interface Ve <id>".		

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:	DEFECT000636674	
Technical Severity: High		**Probability:** Medium
Product: Brocade SLX-OS		**Technology Group:** Layer 2 Switching
Reported In Release: SLXOS 17r.1.00		**Technology:** MCT - Multi-Chassis Trunking
Symptom: After HA-failover in stress condition, user experiences some traffic issues due to some stale LIF configuration not cleaned-up properly during HA-failover.		
Condition: The trigger for this issue is as below 1. Large scale setup with around thousands of LIFs & 100K Macs. 2. Do MCT cluster no-deploy. 3. Before actual completion of step (2), initiate HA-failover. 4. On the newly active MM, trigger MCT cluster deploy.		

Defect ID:	DEFECT000637174	
Technical Severity: Medium		**Probability:** High
Product: Brocade SLX-OS		**Technology Group:** MPLS
Reported In Release: SLXOS 17r.1.01		**Technology:** MPLS VPLS - Virtual Private LAN Services
Symptom: In a scaled configuration (more Bridge domains) and with bidirectional traffic running between remote peer and client end, when client interface port-channel is disabled and enabled, there is a momentary traffic leak from one BD to another BD. Issue recovers by itself		
Condition: Issues happens in scaled config and also issue happens when there are multiple client interface connections Issue doesn't happen easily. Issue is momentary and it recovers itself.		
Recovery: issue is transient and it recovers itself		

Defect ID:	DEFECT000637458	
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: Multicast entries will be present in system for sometime when RP is unreachable and eventually entries will be deleted based on timer expiry, this will not cause any functionality issue.		
Condition: Multicast entries will be present in system when RP is unreachable instead of deleting entries immediately.		
Recovery: Recovery is to clean multicast entries present in system by issuing "clear ip pim mcache" command		

Defect ID:	DEFECT000638138	
Technical Severity: Medium		**Probability:** High
Product: Brocade SLX-OS		**Technology Group:** MPLS
Reported In Release: SLXOS 17r.1.01		**Technology:** MPLS VPLS - Virtual Private LAN Services
Symptom: When BGP neighbor is cleared the EVPN BGP session goes down, the isolation logic will be used for controlling the client interface state. If there is an explicit isolation-strict configured then the node will bring down the client-interfaces and VPLS PW's towards the remote PE's.If there is no explicit strict configured then default isolation logic will be run and one of the node will be elected to run in strict mode. The node which got elected to run in Strict mode will disable the client interfaces and PW's and the flap is expected on node which got elected as strict. higher peer address would be strict mode. Issue scenario, flap happens on both strict and loose mode, that is what observed.		
Condition: clear bgp neighbor between mct peer causes remote PW sessions to flap on both mct peer nodes, but it is expected to flap only on the loose mode end		

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

Defect ID:	DEFECT000638543	
Technical Severity: High		**Probability:** Medium
Product: Brocade SLX-OS		**Technology Group:** Management
Reported In Release: SLXOS 17r.1.00		**Technology:** Software Installation & Upgrade
Symptom: SLX9850 MM's may go through ungraceful failover if the FPGA version is not up to date.		
Condition: System FPGA is not upgraded OR if upgrade but system is not reloaded.		

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:	DEFECT000639395	
Technical Severity: High		**Probability:** Medium
Product: Brocade SLX-OS		**Technology Group:** Layer 2 Switching
Reported In Release: SLXOS 17r.1.01		**Technology:** MCT - Multi-Chassis Trunking
Symptom: There may be Evpn-PW traffic drop for few BD's.		
Condition: HA with explicit isolation mode configured in MCT,		
Recovery: Deploy/un-deploy of cluster will resolve the issue or use of default isolation in cluster will prevent from occurrence of issue.		

Defect ID:	DEFECT000639445	
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 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:	DEFECT000639618	
Technical Severity: High		**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:	DEFECT000639910	
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 some multicast groups for which HW index is not programmed properly.		
Condition: ECMP enabled with 32 paths and do flap the interface.		

Defect ID:	DEFECT000639931	
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 FRR bypass traffic will not work if the bypass LSP rides over physical interface		
Condition: This a known limitation in VPLS bypass FRR where the bypass LSP should configured only in VE interfaces. Bringing up bypass LSP over router interface will have impact in vpls traffic if PW uses this specific tunnel.		

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:	DEFECT000640885	
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: "HW create LIF failed" message observed on console after reload		
Condition: May occur on scaled configuration with MCT.		

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

Defect ID:	DEFECT000641487	
Technical Severity: High		**Probability:** Medium
Product: Brocade SLX-OS		**Technology Group:** IP Multicast
Reported In Release: SLXOS 17r.1.01		**Technology:** IPv4 Multicast Routing
Symptom: Very few multicast packet loss may happen when user removes all PIM VRF configuration at once and adding them back again.		
Condition: This issue happened when user removes multiple PIM VRF configuration at once and again configuring all removed PIM VRF configuration immediately.		
Workaround: Workaround is to remove and add PIM VRF configuration one by one.		
Recovery: Recovery is to clear affected entry using "clear ip pim mcache" command.		

Defect ID:	DEFECT000641712	
Technical Severity: High		**Probability:** Low
Product: Brocade SLX-OS		**Technology Group:** MPLS
Reported In Release: SLXOS 17r.1.00		**Technology:** MPLS VPLS - Virtual Private LAN Services
Symptom: Traffic outage is seen when lots of adaptive re-signaling kicks in due to frr-global-revertive timer expiry, re-optimization and other adaptive re-signaling events.		
Condition: This happens when the timers mainly retry-timer, reoptimization timer, frr-global revertive hold-time have aggressive configuration.		
Workaround: Reduce the aggressiveness of the retry-timer, reoptimization timer. Have different frr-global-revertive holdtime on edge routers.		

Defect ID:	DEFECT000641811	
Technical Severity: High		**Probability:** Medium
Product: Brocade SLX-OS		**Technology Group:** Management
Reported In Release: SLXOS 17r.1.01		**Technology:** Software Installation & Upgrade
Symptom: The system reset might be observed during heavy concurrent file system operation, specifically upgrade, file copy and scanning the files on the /proc and ext4 file system simultaneously.		
Condition: FirmwareDownload to upgrade from one version of SLXOS to another.		
Workaround: No workaround		
Recovery: No recovery, as this system reset happens during reboot following Firmware Download. Subsequent reboot, shall bring up the MM in Enabled state.		

Defect ID:	DEFECT000643215	
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: Traffic loop and drop observed for the traffic from one customer site(CEb) to to another site (CEa) through the primary path(PE1)

```
        +-------------- PE1 ---------------+
        |                  |               |
CEa ------+                |          PE3+-------- CEb
        |                  |               |
        +---------------- PE2 ---------------+
```

Condition: BGP Best-external is configured on all PE devices.
PE1-CEa and PE2-CEa are configured with multi-hop EBGP and update-source loopback. PE1, PE2 and PE3 form IBGP mesh.

Since CEa is dual-homed, PE1 is configured(higher local preference) as the primary path to site CEa and PE2 being the backup path(lower local preference) .Without best-external PE2 will not advertise prefix- 'N' from CEa to its IBGP peers since PE2 prefers the IBGP route from PE1 (higher local preference) as the best route compared to its best external (EBGP) route.

With best external, PE2 will propagate to its IBGP peers its best external path. PE3 will have 2 paths for prefix N.

Traffic from CEb to CEa is via PE1. When physical link between PE1-CEa is disabled,, traffic from CEb goes to PE1, then to PE2 and back to PE1 and dropped. This is because EBGP session between CEa-PE1 does not go down after disabling physical interface (loopback is reachable over multiple-hop)

With Best-external configurat

Workaround: If EBGP is configured over directly connected interface this issue will not be observed

Defect ID:	DEFECT000643758	
Technical Severity: High		**Probability:** Low
Product: Brocade SLX-OS		**Technology Group:** Management
Reported In Release: SLXOS 17r.1.01		**Technology:** Configuration Fundamentals

Symptom: When an LC reboots, traffic forwarding for certain streams going out on ICL link could be affected.

Condition: The issue happens when a line card is rebooted.

Defect ID:	DEFECT000643804	
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: In scaled PIM Multi-VRF setup few multicast entries in one of the VRF may not be switched to SPT.		
Condition: This issue happened in scaled setup, during convergence few multicast entries are not moved to SPT path.		
Recovery: Recovery is to clear affected entries using "clear ip pim mcache <src> <group> vrf <vrf-id>"		

Defect ID:	DEFECT000643918	
Technical Severity: High	**Probability:** High	
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:	DEFECT000643957	
Technical Severity: High	**Probability:** High	
Product: Brocade SLX-OS	**Technology Group:** Layer 3 Routing/Network Layer	
Reported In Release: SLXOS 17s.1.01	**Technology:** Static Routing (IPv4)	
Symptom: Due to software defect, User can configure system MAC as Static Anycast Gateway MAC		
Condition: user will be observe this issue with Static Anycast Gateway MAC feature for IPFabric		

Defect ID:	DEFECT000644556	
Technical Severity: High	**Probability:** High	
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:	DEFECT000646055	
Technical Severity: High		**Probability:** High
Product: Brocade SLX-OS		**Technology Group:** Layer 2 Switching
Reported In Release: SLXOS 17r.1.01		**Technology:** VLAN - Virtual LAN
Symptom: LoadBalance Pseudowire scale limit is 1k So error message on console will be printed if user tries to configure more than 1000.		
Condition: Load Balance Pseudowire scale number was 1000 only.		

Defect ID:	DEFECT000646324	
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: Configure a VLAN port but "show vlan" command doesn't display it.		
Condition: Root cause is not know. The same configuration works on other SLXOS systems.		
Workaround: System reload.		

Defect ID:	DEFECT000646986	
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: In case of routing in BD RAW mode, when tunnel is involved(EVPN-VxLAN, VPLS, MCT), the packet egressing from remote peer will contain 2 vlan tags.		
Condition: Routing in BD RAW mode on following configurations 1. MCT, 2. EVPN-VxLAN		
Workaround: Configure BD tag mode		
Recovery: Configure BD tag mode when routing is involved on MCT, EVPN-VxLAN configs		

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:	DEFECT000649356	
Technical Severity: High		**Probability:** High
Product: Brocade SLX-OS		**Technology Group:** Layer 3 Routing/Network Layer
Reported In Release: SLXOS 17r.1.01		**Technology:** IPv6 Addressing
Symptom: HA : ipv6 nd router preference goes to default value after HA even though non-default value is configured		
Condition: Doing HA with non default ipv6 nd router preference		

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

Defect ID:	DEFECT000650267	
Technical Severity: High	**Probability:** High	
Product: Brocade SLX-OS	**Technology Group:** IP Multicast	
Reported In Release: SLXOS 17r.2.00	**Technology:** IGMP - Internet Group Management Protocol	
Symptom: Scaled (>2000) IGMP static groups startup configuration takes longer time to execute while loading thru a script		
Condition: Scaled IGMP static group configurations.		

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:	DEFECT000650998	
Technical Severity: High	**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:	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:	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:	DEFECT000651543	
Technical Severity: High		**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:	DEFECT000651575	
Technical Severity: High		**Probability:** High
Product: Brocade SLX-OS		**Technology Group:** Layer 3 Routing/Network Layer
Reported In Release: SLXOS 17r.2.00		**Technology:** BFD - BiDirectional Forwarding Detection
Symptom: BFD over BGP with 200,200,5 timers flap randomly without any triggers		
Condition: Under highly scaled environment, Multihop BFD sessions can get unstable.		
Workaround: Use of fewer BFD sessions		
Recovery: System should auto correct		

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

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

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

Defect ID:	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:	DEFECT000652522	
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 is online even after deactivating peer groupd from address-family l2vpn		
Condition: De-activate a peer-group from AF l2vpn evpn		
Recovery: use clear ip bgp neighbor instead of clear bgp evpn neighbor command		

Defect ID:	DEFECT000652589	
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: Firmwaredownload might fail		
Condition: When HA state is not in sync and firmwaredowload is triggered then firmwaredownload might fail.		

Defect ID:	DEFECT000652712	
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: "Show Cluster" CLI for MCT does not provide any output without cluster ID		
Condition: Default option has been restricted in this release.Need to provide the cluster ID for show command.		

Defect ID:	DEFECT000652954	
Technical Severity: Medium		**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:	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:	DEFECT000653081	
Technical Severity: Medium		**Probability:** High
Product: Brocade SLX-OS		**Technology Group:** MPLS
Reported In Release: SLXOS 17r.2.00		**Technology:** IP over MPLS
Symptom: In 'show mpls lsp <name> extensive' the output for IP address in some cases reflects an LSP instance number.		
Condition: User types 'show mpls rsvp lsp <name> extensive' and the lsp has an FRR backup signaled.		

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:	DEFECT000653521	
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: VPLS traffic convergence will be slow when all LSPs flapped.		
Condition: When all MPLS LSPs are flapped, VPLS need to delete and reprogram all the vpls peers and the time for the convergence will be directly proportional to the total number of VPLS PWs and load balancing path. This will not have much impact in the traffic if the LSPs are distributed across different line cards.		

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

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 aggregate LAG interface goes to online state on SLXOS MCT cluster nodes when LAG links connect to MLX switch.	
Condition:	SLXOS switch configured MCT cluster with different client ID along with LACP protocol on LAG interface.	
Workaround:	It is negative test case. Interoperability issue observed for LACPoMCT LAG connected between SLXOS and MLX platforms.	

Defect ID:	DEFECT000653817	
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:	When a peer-group is configured with non-default encapsulation and a neighbor is added to the peer-group and is activated under "address-family l2vpn evpn ". The config under the address family comes with the default encapsulation "mpls" for the neighbor. Even though the peer-group it is part of, is configured with non default encapsulation.	
Condition:	When a peer-group is configured with non-default encapsulation and a neighbor is added to the peer-group and is activated under "address-family l2vpn evpn ". The config under the address family comes with the default encapsulation "mpls" for the neighbor.	
Workaround:	The encapsulation of the neighbor can be changed to match the encapsulation of the peer-group which it is part of. Doing so will change the encapsulation of the neighbor and will carry the same encapsulation as of the peer-group.	
Recovery:	The encapsulation of the neighbor can be changed to match the encapsulation of the peer-group which it is part of. Doing so will change the encapsulation of the neighbor and will carry the same encapsulation as of the peer-group.	

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

Defect ID:	DEFECT000653869	
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: 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		**Probability:** High
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:	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.		
Condition: None		

Defect ID:	DEFECT000653955
Technical Severity: High	**Probability:** High
Product: Brocade SLX-OS	**Technology Group:** MPLS
Reported In Release: SLXOS 17r.1.01	**Technology:** MPLS Traffic Engineering
Symptom: User may see MPLS traffic drop when HA fail-over is executed.	
Condition: MPLS with RSVP configuration and HA fail-over is performed(High availability)	

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

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

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:	DEFECT000654559	
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: 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:	DEFECT000654604	
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: User will observe that 8021ag MEP configuration is not removed automatically when logical interface configured on port-channel is unbinded.		
Condition: User will observe issue only when MEP is bound to a port-channel part of Bridge domain (VLL) .		
Workaround: Workaround is to delete and add back the MEP once again after binding the Port Channel.		

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

Defect ID:	DEFECT000654828	
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: Flooding of traffic is observed for certain CCEP mac on MCT setup.		
Condition: Timing condition that can be observed after issuing deploy/no-deploy of cluster.		
Recovery: "clear mac-address-table cluster" can be used to clear the problematic mac.		

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

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

Defect ID:	DEFECT000655266	
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: 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:	DEFECT000655276	
Technical Severity: High		**Probability:** Medium
Product: Brocade SLX-OS		**Technology Group:** MPLS
Reported In Release: SLXOS 17r.2.00		**Technology:** MPLS VPLS - Virtual Private LAN Services
Symptom: User may experience below messages on console of SLX-9540 router along with Traffic drop for few flooding domains. "hslagt_lif_brcm_pgrm_p2p_crossconnect: hslagt_lif_brcm_pgrm_pw_lif_xconnect() failed"		
Condition: Removing BD configuration from EVPN and re-add.		

Defect ID:	DEFECT000655278	
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: 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:	DEFECT000655324	
Technical Severity: Medium		**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 a failover to the backup MM, there is the remote possibility that the NSM process will fail..		
Condition: The configuration that is resulting in the NSM process failing after failover to the backup MM has not been identified yet.		

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

Defect ID:	DEFECT000655660	
Technical Severity: High	**Probability:** High
Product: Brocade SLX-OS	**Technology Group:** Management
Reported In Release: SLXOS 17r.2.00	**Technology:** Configuration Fundamentals
Symptom: Some interfaces relating to port-group and breakout ports can't be created during "copy <file> running-config"	
Condition: It happens during "copy <file> running-config".	
Recovery: Will need to re-create these interfaces manually	

Defect ID:	DEFECT000655708	
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: Router reload after MPLS VE interface shutdown	
Condition: Very low probability of seeing the issue.	

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:	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:	DEFECT000656130	
Technical Severity: Medium		**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 removing a range of more than 128 VLANs from EVPN configuration from one MCT peer, there may be multicast and unknown unicast traffic loss on some of the VLANs in that range since the peer does not take over as Designated Forwarder (DF). This may result in OSPF/ARP between the MCT peer and client going into unresolved state		
Condition: This will happen when the VLAN range is modified on only one of the MCT peers and the range spans more than 128 VLANs.		
Workaround: Issue can be avoided by 　　　1. Keeping same VLAN range configuration on the two MCT peers 　　　2. Shutting down client port before making EVPN VLAN configuration update 　　　3. Making EVPN VLAN modifications in smaller ranges		
Recovery: To recover after the issue is seen, configure the VLAN range back on the router where it was removed		

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

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:	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:	DEFECT000656215	
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: dot1qvlancreationtime mib object value displayed is not correct		
Condition: snmpget on dot1qvlancreationtime mib object.		

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

Defect ID:	DEFECT000656251
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: when evpn instance is deleted there could be issues with management cluster	
Condition: when evpn instance is deleted there could be issues with management cluster	

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

Defect ID:	DEFECT000656254
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: When evpn instance is deleted management Cluster may not form	
Condition: When evpn instance is deleted management Cluster may not form	

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:	DEFECT000656328	
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 Device reset with 100 Y1731 SLM scheduled sessions over VPLS/VLL with tx-frame-count 250 and a High-Availability failover is triggered along with RSVP configured in the system.		
Condition: User should have following enabled to observe the issues 8021ag: Enabled Y1731 : configure with 100 or more Y1731 SLM sessions over VPLS/VLL with tx-frame count as 250 or more. RSVP : Enabled Dual MM: yes Device will reset with dot1agd daemon terminated.when High availability switch-over is triggered		
Workaround: Workaround is to reduce the tx-frame-count of Y1731 SLM sessions to 100 or less to avoid the system reload.		

Defect ID:	DEFECT000656351	
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: On a Bridge-domain, routing and pw-profile (if configured in raw mode) configurations should be mutually exclusive.		
Condition: 1. When pw-profile is configured in tagged mode, and has been associated with a Bridge-domain, then routing should not be enabled on the Bridge-domain. 2. When routing is enabled on a Bridge-domain, then a pw-profile with tagged mode should not be associated with the Bridge-domain.		

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:	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:	DEFECT000656408	
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: OSPF sessions flap when sending traffic at 30% line rate		
Condition: issue happens only in scaled setup with 2048 sessions		

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

Defect ID:	DEFECT000656577
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+ - IPv6 Border Gateway Protocol
Symptom: System would respond slow in displaying BGP show commands	
Condition: The system has 346 BGP sessions UP and learns 9M RIB-IN routes from 128 RIB-IN neighbors	

Defect ID:	DEFECT000656624
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: Sometime HOST move is not detected.	
Condition: When host is moved frequently.	
Recovery: Clear mac table should recover from this state.	

Defect ID:	DEFECT000656812
Technical Severity: High	**Probability:** High
Product: Brocade SLX-OS	**Technology Group:** IP Multicast
Reported In Release: SLXOS 17r.2.00	**Technology:** IPv4 Multicast VLAN Traffic Reduction
Symptom: Layer 2 Multicast Traffic flooding is observed for few known Multicast groups.	
Condition: Issue is only observed with very high scale of IGMP groups. It is triggered when IGMP groups information is synced between MCT peers, and multiple flaps are done on the ICL link of the MCT cluster.	
Workaround: Avoiding multiple flaps on ICL link of MCT may avoid the issue.	
Recovery: Using 'clear ip igmp groups cluster', affect IGMP groups can be cleaned up, and can be forced to be reprogrammed after the issue has hit.	

Defect ID:	DEFECT000656825
Technical Severity: High	**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:	DEFECT000656882	
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 address learning noticed with a delay		
Condition: In MCT configured setup with 100k traffic streams on, mac address learning is slow due to high number of event processing in the software.		
Recovery: Mac address learning is recovered automatically after a delay when the events are processed in the software. It can be manually recovered by flapping the mct client interface down and up.		

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

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

Defect ID:	DEFECT000656930	
Technical Severity: High		**Probability:** Medium
Product: Brocade SLX-OS		**Technology Group:** Layer 3 Routing/Network Layer
Reported In Release: SLXOS 17r.2.00		**Technology:** Static Routing (IPv4)
Symptom: System reload might be seen when new IP is configured to overwrite duplicate IP previously configured on management interface		
Condition: Overwriting duplicate IP previously configured on management interface		

Defect ID:	DEFECT000656960	
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: Daemon bgpd would terminate .		
Condition: The system has 256K unique routes with 34 BGP RIB-IN neighbors. 256K routes are learned from each RIB-IN neighbor making a total RIB-IN of 9M. 256K unique routes are advertised to 54 RIB-OUT neighbors (256K * 54 = 14M RIB-OUT in total).		

Defect ID:	DEFECT000656978	
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: With "clear ip bgp neighbor all" BGP takes additional time to re-establish		
Condition: There are 2400 BGP sessions configured with 9M RIB-IN routes in total and 14M RIB-OUT routes in total.		

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:	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.		
Condition: N/A		

Defect ID:	DEFECT000657070	
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: Line card reload might be seen during command execution during bootup sequence		
Condition: Running debug commands during chassis bootup.		

Defect ID:	DEFECT000657071	
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: Ping was not functional between 2 loopback addresses after interface flap.		
Condition: IP enabled interfaces on the router.		

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:	DEFECT000657107	
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: 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:	DEFECT000657152	
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: MAC is not getting learned for host node connected to Vxlan L3 Gateway when one of the LC is powered off and powered on.		
Condition: MAC is not getting learned host node connected to Vxlan L3 Gateway when one of the LC is powered off and powered on.		

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

Defect ID:	DEFECT000657201	
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: Active MM will go for reload		
Condition: While bridge-domain is added under EVPN, deleting the bridge-domain will trigger MM reload		
Workaround: Remove the bridge-domain under EVPN and delete it.		

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

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:	DEFECT000657257	
Technical Severity: High		**Probability:** Low
Product: Brocade SLX-OS		**Technology Group:** Management
Reported In Release: SLXOS 17r.2.00		**Technology:** Configuration Fundamentals
Symptom: When customer collects support save, they can notice a time-out for multicast and RPS modules.		
Condition: This issue can be seen if Support Save is collected before system is ready to handle the CLI commands.		
Workaround: Please run Support Save after system becomes ready to handle the SLXOS CLI commands.		

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:	DEFECT000657294	
Technical Severity: Medium	**Probability:** High	
Product: Brocade SLX-OS	**Technology Group:** Layer 2 Switching	
Reported In Release: SLXOS 17r.2.00	**Technology:** xSTP - Spanning Tree Protocols	
Symptom: System can terminate on Line Card when node is rebooting with 4k VLAN config.		
Condition: LIne card system terminates when default config is copied to startup.		
Workaround: No known workaround.		

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:	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:	DEFECT000657360	
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 address are not synced to mct peer node and evpn mac address are not displayed in the mac address table.		
Condition: In scaled mct setup with 100k traffic stream, mac address are not synced to the peer mct node when evpn configuration is removed and added back.		
Recovery: Executing "clear ip bgp neighbor" on the peer mct node refresh the mac address to relearn.		

Defect ID:	DEFECT000657363	
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: User would observe system termination and switch reboot.		
Condition: Perform High Availability fail-over for multiple times repeatedly using script.		
Workaround: Unlikely to see on customer setup.		

Defect ID:	DEFECT000657404	
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: For the below rest queries, "/rest/operational-state/cfm-state/cfm-detail" "/rest/operational-state/cfm-state/cfm-connectivity", If there are multiple domains configured, rest output will show only the first configured domain and will skip the remaining domains.		
Condition: User will observe the issue only while executing specific REST queries with 8021ag where multiple domains are configured.		

Defect ID:	DEFECT000657407	
Technical Severity: Medium		**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: Type-2 OSPF external routes are not getting added even after configuring Distribute List route-map with match-type as type-2		
Condition: Configure route-map with match-type as type-2 & bind it to OSPF distribute-list. OSPF adjacency is established with at least one neighbor & the neighbor sends some Type-2 OSPF external routes.		

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

Defect ID:	DEFECT000657442
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: MAC is not installed.	
Condition: After performing the MM failover, sometimes MAC route is not installed.	
Recovery: clear bgp evpn neighbor all	

Defect ID:	DEFECT000657463
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: 'show cluster <cluster-id> cliient <client-id> would show a set of VLANs missing from both MCT peers.	
Condition: Series of EVPN VLAN re-configuration done after the cluster is configured. Multicast and unknown unicast traffic loss on half the VLAN range configured on a particular MCT client. OSPF/ARP configured on these VLANs would be unresolved	
Recovery: clear bgp evpn neighbor <peer-ip>	

Defect ID:	DEFECT000657476
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: User will experience device reset while executing SNMP query on dot1agCfmLtrTable.	
Condition: User will observe the issue when device is configured with 8021ag, while executing the SNMP query for dot1agCfmLtrTable table within 100 seconds after user has performed CFM Linktrace from source MEP to the target MIP/MEP.	
Workaround: User should avoid query for dot1agCfmLtrTable	

Defect ID:	DEFECT000657490	
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: "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:	DEFECT000657531	
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: VPLS/MPLS traffic drop at transit node		
Condition: In MPLS network with high scale of LSPs and ip routes, HA failover of Egress PE will rarely cause this issue		
Recovery: clear RSVP sessions will recover from the issue.		

Defect ID:	DEFECT000657533	
Technical Severity: High		**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 while using Y1731 Scheduled Delay measurement sessions, for some of the session the statistics might be displaying incorrect values.		
Condition: The issue is observed while user is using Y1731 scheduled delay measurement with UP MEP and Psuedowire interfaces are on different Linecards.		
Workaround: Issue will not be observed if PWE and UP MEP are on same line card.		

Defect ID:	DEFECT000657536	
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: Daemon imi would terminate.		
Condition: With 1199 IPv4 and 1199 IPv6 BGP sessions in non-default vrf (user vrf) with no trigger		

Defect ID:	DEFECT000657538	
Technical Severity: High	**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:	DEFECT000657569	
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: Daemon - hslagtd would terminate.		
Condition: With 2000 BGP sessions in non-default VRF (user-vrf) execute command : "no router bgp " and "reload system"		

Defect ID:	DEFECT000657645	
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: With Scaled ARP scenario if we remove/add Anycast IP, there could be ARP daemon termination.		
Condition: With Scaled ARP scenario if we remove/add Anycast IP, there could be ARP daemon termination.		

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:	DEFECT000657687	
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: 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:	DEFECT000657689	
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: 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:	DEFECT000657737	
Technical Severity: High		**Probability:** Medium
Product: Brocade SLX-OS		**Technology Group:** MPLS
Reported In Release: SLXOS 17r.2.00		**Technology:** BGP/MPLS VPN
Symptom: vrf route programming could be affected post mpls triggers		
Condition: vrf route programming could be affected post mpls triggers		

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:	DEFECT000657773
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: Vxlan tunnel CCEP client local state stayed down sometimes	
Condition: Vxlan tunnel CCEP client local state stayed down sometime	

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

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

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

Defect ID:	DEFECT000657819	
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: 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:	DEFECT000657834	
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: When cluster client is configured on only one peer, the remote client status is displayed as 'Down' instead of 'Undep' for clients with manually configured ESI. This may result in the client interface being elected as Designated Forwarder even before the client is configured on the MCT peer		
Condition: Incomplete MCT cluster client configuration, i.e., configuring the client and deploying it on one peer only		
Workaround: To prevent the issue, keep the client interfaces shutdown until the client configuration is done on both peers		
Recovery: To recover, configure the client on the other peer and bring the client interface UP		

Defect ID:	DEFECT000657854	
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: "show tunnel status" o/p doesnt contain "node-id" info.		
Condition: Execution of "show tunnel status"		
Workaround: "show tunnel brief" and "show tunnel <tunnel-id>" can be used to determine the node-id info of tunnels.		

Defect ID:	DEFECT000657873	
Technical Severity: High		**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:	DEFECT000657884	
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: In a 8021ag UP MEP scaled setup, user might experience that Remote MEP Flaps.		
Condition: When there are more than 4K MAs and 4K UP MEPs are configured, few MEPs flap.		

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

Defect ID:	DEFECT000657919	
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: Vxlan Tunnel is not created.		
Condition: With manual RD/RT per VLAN, EVPN instance deleted and re-configured.		
Recovery: "clear bgp epvn neighor all"		

Defect ID:	DEFECT000657921	
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: Mac address is not learned in the software mac address table but learned in the hardware		
Condition: When bridge domain configuration is deleted and added immediately back to back, mac address are not removed hardware and not re-learned int he software.		
Workaround: When bride domain configuration is removed , re-add the configuration after few seconds of delay.		
Recovery: Delete the bridge domain configuration again add it after few seconds of delay		

Defect ID:	DEFECT000657958	
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: Tunnel destination IP displayed in the "sh mac" output is not after HA failover.		
Condition: Tunnel destination IP displayed in the "sh mac" output is not after HA failover.		

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

Defect ID:	DEFECT000657981
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: After removing and reading the EVPN, DF election for Vxlan CCEP client are not correct which results in traffic issue for unknown unicast traffic	
Condition: After removing and reading the EVPN, DF election for Vxlan CCEP client are not correct which results in traffic issue for unknown unicast traffic	

Defect ID:	DEFECT000657989
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: When 4K BDs are extended and BGP EVPN Address family is removed and re-added, tunnel delete and recreate is triggered. l2sys process termination is seen,	
Condition: When 4K BDs are extended and BGP EVPN Address family is removed and re-added, tunnel delete and recreate is triggered. l2sys process termination is seen,	

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:	DEFECT000658022
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: UDA Access List rule values will be displayed without the preceding zeros in output of show commands.	
Condition: Defect is seen when user displays operational/statistical data for UDA Access Lists	

Defect ID:	DEFECT000658026	
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: Ping may not work for Inband-managment using VEoVPLS under conditions of internet route scale		
Condition: Running internet route scale when box is operating at capacity threshold		

Defect ID:	DEFECT000658029	
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: Change in IP MTU does not affect LDP PDU advertised in LDP init message		
Condition: User has LDP enabled MPLS interfaces.		

Defect ID:	DEFECT000658042	
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: 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:	DEFECT000658055	
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: After HA failover with MCT configuration, the remote state of clients with auto ESI configuration are not synchronized. The ESI values of the same client appear different on the two MCT peers		
Condition: Issue is seen after HA failover on one MCT peer with auto ESI clients in deployed state		
Workaround: Ways to avoid the issue is to un-deploy clients with auto ESI on both peers before HA failover and re-deploy them after failover		
Recovery: Perform client 'no deploy' followed by 'deploy'		

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

Defect ID:	DEFECT000658058	
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: 'show ip ospf neighbors' shows OSPF to be in INIT state		
Condition: High EVPN VLAN range and HA failover with EVPN and cluster configuration. ARP and OSPF remains unresolved for VEs over some of the EVPN VLANs after HA failover.		
Recovery: clear ip bgp neighbors <peer-ip>		

Defect ID:	DEFECT000658109	
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: Few BGP sessions may not come up		
Condition: When local-as is changed with scaled scaled scenarios of having large no. of routes to be advertised to multiple BGP neighbors.		

Defect ID:	DEFECT000658143	
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: Route profile is not disabled after system reload		
Condition: The user might see the discrepancy when the command is successful but the database is not updated		
Workaround: It is minimal impact and there is workaround. Users can do "copy running-config to satrtup-config" insteadd off copying to flash and reload the system.		

Defect ID:	DEFECT000658161	
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: Duplicate forwarding may be seen on certain MCT client interfaces using LACP port-channel to connect to the ethernet segment		
Condition: Issue may be seen after cluster no deploy/deploy on L2 clients using LACP port-channel		
Workaround: 1. Shutting down client interface using LACP configuration before performing no deploy/deploy of the cluster 2. Using 'client-interface-shutdown' configuration on the cluster before 'no deploy' on the cluster		
Recovery: To recover from the issue, remove and recreate the VLAN where the double forwarding is seen		

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

Defect ID:	DEFECT000658164	
Technical Severity: High		**Probability:** High
Product: Brocade SLX-OS		**Technology Group:** Layer 2 Switching
Reported In Release: SLXOS 17r.2.00		**Technology:** MCT - Multi-Chassis Trunking
Symptom: MCT 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:	DEFECT000658167	
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: L3VPN routes are not installed after HA failover when BGP GR is enabled		
Condition: After HA-failover with BGP GR enabled in Address Family IPv4 unicast		
Workaround: Disable BGP GR in Address Family IPv4 unicast		
Recovery: clear bgp neighbor		

Defect ID:	DEFECT000658169	
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: Router or Line card reset after performing multiple operations like cluster deploy/no deploy, no cluster and cluster re-configuration, clear mpls lsp all.		
Condition: Seen on setups with more than 3K VLANs, 40+ clients and several L3 routes after triggers like cluster deploy/no deploy, no cluster and cluster re-configuration, clear mpls lsp all, keeping all client interfaces in UP state		
Workaround: To avoid seeing the issue, reduce EVPN VLAN scale before performing disruptive cluster operations like deploy/no deploy, cluster reconfiguration, clear mpls lsp etc		

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

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

Defect ID:	DEFECT000658386	
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: LDP VC FEC is down with reason resource error.		
Condition: WIth high scale Bridge domains (2000+) rapidly remove and re-add bridge domain configuration; affecting signaled VPLS instances.		

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:	DEFECT000658401	
Technical Severity: High	**Probability:** Medium	
Product: Brocade SLX-OS	**Technology Group:** Management	
Reported In Release: SLXOS 17r.2.00	**Technology:** Configuration Fundamentals	
Symptom: Dcmd process terminates when the "format RFC-5424" command is added to the "logging syslog-server..." configuration.		
Condition: Dcmd process terminates when the "format RFC-5424" command is added to the "logging syslog-server..." configuration.		
Workaround: No workaround.		

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		
Workaround: NA		
Recovery: BGP deamon will restart		

Defect ID:	DEFECT000658585	
Technical Severity: High		**Probability:** Medium
Product: Brocade SLX-OS		**Technology Group:** Management
Reported In Release: SLXOS 17r.2.00		**Technology:** Configuration Fundamentals
Symptom: After system boots up.		
Condition: After system boots up.		
Workaround: 1) Copy flash://startup-config flash://temp-startup-config 2) Copy flash://temp-startup-config startup-config 3) reload		