

S5800 and S5850 Series Switches FSOS Software Release Notes

Models: S5800-48F4SR; S5800-48T4S; S5850-24S2Q;
S5850-24S2Q-DC; S5800-48T4S-DC; S5800-48F4SR-
DC; S5850-24S2C

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1. Introduction

This document describes the release information about S5800-and-S5850-Series-Switches-FSOS-V7.4.3.r3.r, such as new features, command line changes, behavior changes, fixed problems, etc.;

Remind you, before loading S5800-and-S5850-Series-Switches-FSOS-V7.4.3.r3.r firmware, please backup configuration file to avoid potentials risks.

2. Version Information

2.1 Basic Information

Current Release	S5800-and-S5850-Series-Switches-FSOS-V7.4.3.r3.r.bin
Applicable Customer	General
Category	Official release
MD5	03FF9A43E3ED5DB73CC2C421F7DF5DF3

2.2 Release History

Current Release	Baseline release	Release Date	Category	Changes based on baseline version
FSOS-V7.4.3.r3	FSOS-V7.4.2	2022-07-20	Official release	rpc-api optimize Bug fixes for higher stability
FSOS-V7.4.2	FSOS-V7.4.1	2022-05-06	Official release	Bug fixes for higher stability
FSOS-V7.4.1	FSOS-V7.3.4	2021-11-29	Official release	Support Global ACL mode Support show used state of interface buffer Optimize ECMP functionality Optimize MLAG functionality Bug fixes for higher stability
FSOS-V7.3.4	FSOS-V7.3.3.r	2021-09-09	Official release	Support IPv6 ND Snooping Support DHCPv6 option37 port configuration and customization Support DHCP circuit-id global configuration and customization Support DHCP remote-id port configuration and strategy Support DHCPv6 option18 Support DHCP Snooping DB upload and download Support IP unnumbered Support VRRPv3 Optimize vlan class functionality Optimize MLAG functionality Bug fixes for higher stability
FSOS-V7.3.3.r	FSOS-V7.3.2	2021-05-31	Official release	Support VRF for OSPFv3 Support IPv6 address with 127 bit mask Support VRF for PBR Support to send syslog to server with TCP connection Support to set SNMP community with special character Support Dot1x access account and keep alive Support to distribute a MPLS label for default-route (FEC 0.0.0.0/0) Bug fixes for higher stability
FSOS-V7.2.5.r 1	FSOS-V7.2.5	2020-10-19	Official release	Bug fixes for higher stability

FSOS-V7.2.5	FSOS-V7.2.4.r2	2020-09-08	Official release	Support to configure route aggregation in bgp ipv4 vrf address family Support new SNMP OIDs RPC-API optimized Support trap for BFD status change Support to prevent DHCP flooding attacking Support transmit multicast packets via VxLAN tunnels Support URPF loose mode Support VLAN Storm Control Aggregation ports support weighted load-balance Support aggregation port member with different speed Support New profile: extended-buffer profile Bug fixes for higher stability
FSOS-V7.2.4.r2	FSOS-V7.2.4.r 1	2020-07-24	Official release	N/A
FSOS-V7.2.4.r 1	FSOS-V7.2.4	2020-06-09	Official release	Bug fixes for higher stability
FSOS-V7.2.4	FSOS-V7.2.3.r 1	2020-05-27	Official release	<ul style="list-style-type: none"> Support overlay and port-security on same interface <ul style="list-style-type: none"> Support DHCPv6 snooping option 37 Support carrier down hold time Support vlan translation feature to edit the VLAN tags of APP/PING packets which are sent by the device <ul style="list-style-type: none"> QOS optimized Support use selective QinQ ports as the down-link of overlay <ul style="list-style-type: none"> IPFIX is controlled in ms (Metro service) license instead of ma (Metro advanced) license <ul style="list-style-type: none"> SNMP Trap optimized Smart link optimized CFM optimized RIP/RIPng optimized OSPF resource adjusted SNMP ACL use white list
FSOS-V7.2.3.r 1	FSOS-V7.2.3	2020-04-30	Official release	Bug fixes for higher stability
FSOS-V7.2.3	N/A	2020-03-13	Official release (Initial Release)	N/A

2.3 Hardware Supported

NOTE: Before upgrade, please double-check the firmware is compatible with Hardware

Series	Name
Hardware model (T means 1G electrical port,F means 1G optical port, S means 10G optical port)	S5800-48F4SR、 S5800-48T4S、 S5850-24S2Q、 S5850-24S2C、
BOOTROM version	Switch pre-installed version (To display version by CLI 'show version')
EPLD version	Switch pre-installed version (To display version by CLI 'show version')
Note	N/A

NOTE: The following example checks the firmware version, hardware model, BootRom and EPLD version. Some earlier switch's BootRom, EPLD version may be different, but will not impact upgrade.

```
Switch# show version
FSOS Software, S5800, Version 7.4.3.r3
Copyright (C) 2009-2022 FS.COM Inc. All Rights Reserved.
The current running image is flash:/boot/S5800-and-S5850-Series-Switches-FSOS-V7.4.3.r3.r.bin
Switch uptime is 0 days, 0 hours, 8 minutes
Hardware Type is 48F4SR
SDRAM size 2048M
Flash size 4096M
Hardware Version 3.0
EPLD Version is 2.2
BootRom Version is A.2.7
System serial number is CG2002249482N0027
```

2.4 Version Compatibility

Current Version	Historical Version	Compatibility
V7.4.3.r3	All previous versions	YES
V7.4.1	All previous versions	YES

2.5 Upgrade Precaution

- UBOOT & EPLD do NOT need to upgrade if there is no special illustration.
- Please double check MD5 value is identical with the value provided by FS, to prevent file damaged issue.
- Please carefully check the firmware version is compatible with hardware model.
- Please backup configuration file before upgrade.
- Please keep previous firmware until all procedures finished, if need to rollback.

3 New Features Specification

New features added to baseline version

3.1 FSOS-V7.4.3.r3

N/A

3.2 FSOS-V7.4.2

N/A

3.3 FSOS-V7.4.1

New features	Specification
Support Global ACI mode	Global ACI function can be enabled
Support show used state of interface buffer	Show the buffer usage of all queues for interface

3.4 FSOS-V7.3.4

New features	Specification
Support IPv6 ND Snooping	N/A
Support DHCPv6 option37 port configuration and customization	DHCP option has a default configuration,you can use the command to modify the content of the option,this content wil be carried in the DHCP interaction message
Support DHCP circuit-id global configuration and customization	DHCP circuit-id has a default configuration,you can use the command to modify the content of the circuit-id,this content wil be carried in the DHCP interaction message
Support DHCP remote-id port configuration and strategy	N/A
Support DHCPv6 option18	N/A
Support DHCP Snooping DB upload and download	Support DHCP Snooping upload and download DB to tftp/ftp server
Support IP unnumbered	N/A
Support VRRPv3	N/A

3.5 FSOS-V7.3.3.r

New features	Specification
Support VRF for OSPFv3	Support OSPFv3 in different VRF instance
Support IPv6 address with 127 bit mask	Support IPv6 address with at most 127 bit mask
Support VRF for PBR	Support PBR in different VRF instance
Support to send syslog to server with TCP connection	Support to use command to set TCP or UDP connection; support to specify TCP/UDP port. The default configuration is UDP with port 514
Support to set SNMP community with special character	Support digit/up case character/low case character/special character such as ~!@#\$%^&*()_+`-= ,./;[]<:{} N/A
Support Dot1x access account and keep alive	

3.6 FSOS-V7.2.5.r1

N/A

3.7 FSOS-V7.2.5

New features	Specification
Support to configure route aggregation in bgp ipv4 vrf address family	N/A
Support new SNMP OIDs	Power related: devCurrentPower(OID: 1.3.6. 1.4. 1.27975.37. 1.2. 1.9) devRatedPower(OID: 1.3.6. 1.4. 1.27975.37. 1.2. 1.8) Physical interface related: interfacePhyType(OID: 1.3.6. 1.4. 1.27975.42. 1. 1.28) All OIDs above are read-only
RPC-API optimized	Improve the speed when using RPC-API to apply the configurations
Support trap for BFD status change	N/A
Support to prevent DHCP flooding attacking	N/A
Support transmit multicast packets via VxLAN tunnels	N/A
Support URPF loose mode	N/A
Support VLAN Storm Control	N/A
Aggregation ports support weighted load-balance	According to the weight of each member port, the aggregation port data traffic realizes load balancing based on flow. It only supports configuring the weight of member ports in the static load balancing (SLB) and non self-healing mode. And the total weight sum cannot exceed the maximum number of member ports supported by the aggregation port.
Support New profile: extended-buffer profile	Please reference to the product spec for detailed information

3.8 FSOS-V7.2.4.r2

N/A

3.9 FSOS-V7.2.4.r1

N/A

3.10 FSOS-V7.2.4

New features	Specification
Support overlay and port-security on same interface	N/A
Support DHCPv6 snooping option 37	N/A
Support carrier down hold time	Support to configure carrier down hold time in a range of 0-500 ms If the interface status changes to down, then recovered before the hold time, system should ignore this issue in order to prevent network flap
Support vlan translation feature to edit the VLAN tags of APP/PING packets which are sent by the device	N/A
QOS optimized	Support VLAN storm control Support to display the resource of VLAN storm control
Support use selective QinQ ports as the down-link of overlay	N/A

3.11 FSOS-V7.2.3.r1

N/A

3.12 FSOS-V7.2.3

N/A

NOTE: 7.2.3 is the initial release of this series.

4. CLI Changes Specification

New CLI changes based on the baseline version

4.1 FSOS-V7.4.3.r3

N/A

4.2 FSOS-V7.4.2

N/A

4.3 FSOS-V7.4.1

N/A

4.4 FSOS-V7.3

N/A

4.5 FSOS-V7.3.3.r

Original format	New format	Remark
router ipv6 ospf [PROCESS-ID]	router ipv6 ospf [PROCESS-ID [vrf VPN-NAME]]	Support VRF for OSPFv3
-	show ipv6 vrf ospf	Support VRF for OSPFv3, add a new command to show statuses
logging server address (mgmt-if (IPV4_ADDR IPV6_ADDR) (source-interface IFNAME source-ip SRC_IP_ADDR)	logging server address (mgmt-if (IPV4_ADDR IPV6_ADDR) (dest-port DEST_PORT) (transport (tcp udp)) (source-interface IFNAME source-ip SRC_IP_ADDR)	Support to send syslog to server with TCP connection
-	dot1x handshake no dot1x handshake dot1x timeout handshake-period SECONDS no dot1x timeout handshake-period dot1x accounting-mode radius no dot1x accounting-mode dot1x accounting start-fail (offline online) no dot1x accounting start-fail dot1x accounting realtime INTERVAL no dot1x accounting realtime dot1x accounting interim-fail (max-times TIMES) (offline online) no dot1x accounting interim-fail	Support Dot1x access account and keep alive
-	label distribution default-route no label distribution default-route	Support to distribute a MPLS label for default-route (FEC 0.0.0.0/0)

4.6 FSOS-V7.2.5r 1

N/A

4.7 FSOS-V7.2.5

Original format	New format	Remark
-	distribute-weight WEIGHT	Aggregation ports support weighted load-balance
mac-address-table ageing-time	mac-address-table aging-time	Modify the command line style

4.8 FSOS-V7.2.4.r2

N/A

4.9 FSOS-V7.2.4.r1

N/A

4.10 FSOS-V7.2.4

Original format	New format	Remark
ethernet cfm domain *DOMAIN_NAME* level *LEVEL*	ethernet cfm domain *DOMAIN_NAME* level *LEVEL* (format (no-md-name string *STRING* dns *DNS_NAME* mac-address *MAC_ADDRESS*))	The format MUST be specified when configure the CFM domain in Y1731 mode

4.11 FSOS-V7.2.3.r1

N/A

4.12 FSOS-V7.2.3

N/A

NOTE: 7.2.3 is the initial release of this series.

5. WEB Changes Specification

5.1 FSOS-V7.4.3.r3

Item	Earlier Behavior	New Behavior
rpc-api optimize	System log records the “show” command via rpc-api	System log does not record the “show” command via rpc-api

5.2 FSOS-V7.4.2

N/A

5.3 FSOS-V7.4.1

N/A

5.4 FSOS-V7.3.4

N/A

5.5 FSOS-V7.3.3.r

N/A

5.6 FSOS-V7.2.5.r1

N/A

5.7 FSOS-V7.2.5

N/A

5.8 FSOS-V7.2.4.r2

1) Framework Optimization

a. The web network management divided four categories: Monitor, Configuration, Maintenance, Network.

b. Monitor

The Web monitor page appears after login, as shown in figure 1.

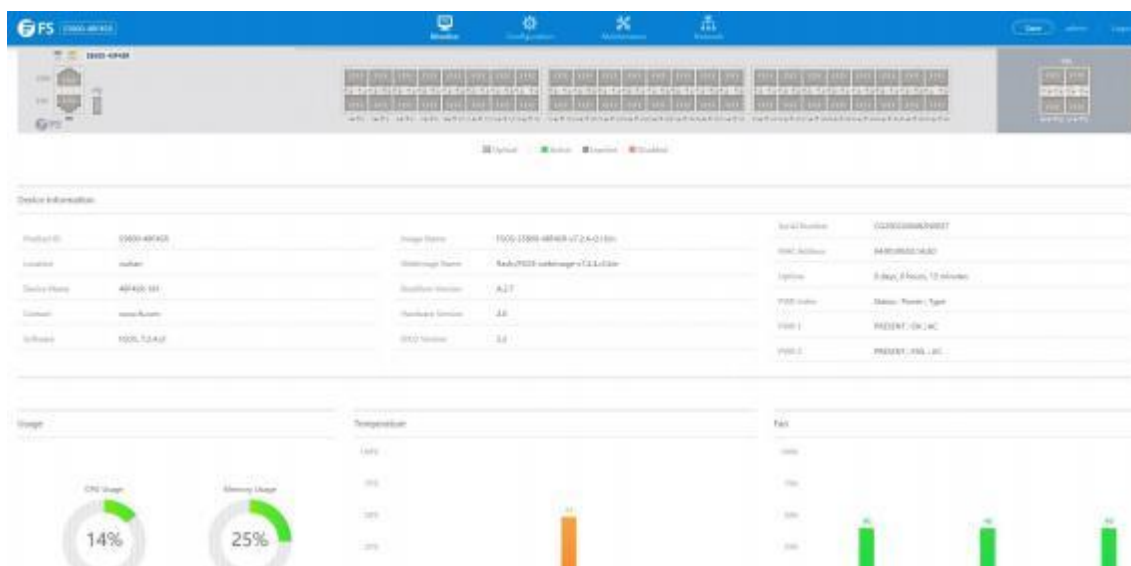


Figure 1 Web monitor page

The whole monitor page consists of the top control bar, the configuration display area and the bottom area.

c. Configuration

If you click “Configuration” in the top control bar, as shown in figure 2.

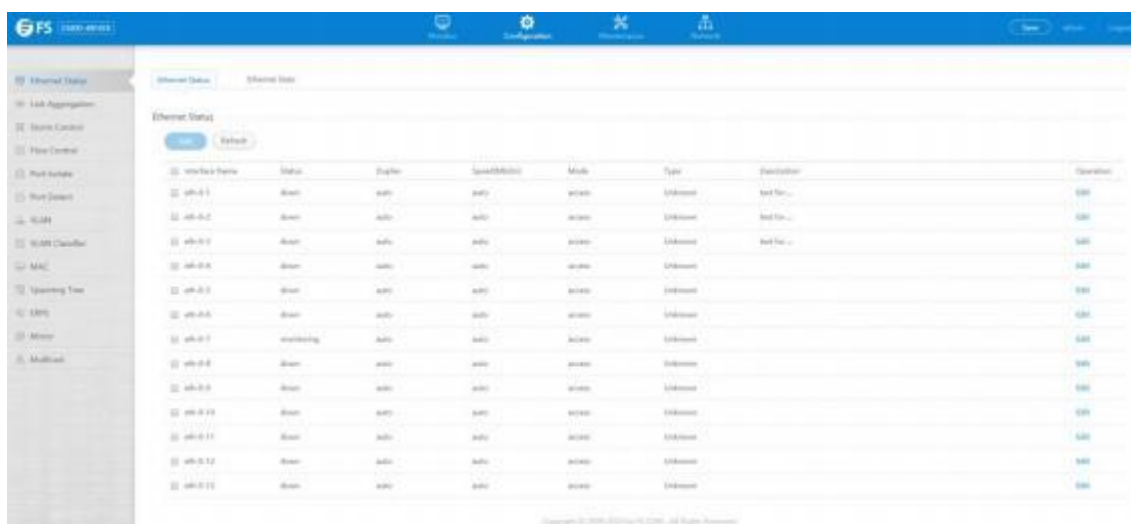


Figure 2 Web configuration page

The whole configuration page consists of the top control bar, the navigation bar, the configuration area and the bottom area.

d. Maintenance

If you click “Maintenance” in the top control bar, as shown in figure 3.



Figure 3 Web maintenance page

The whole maintenance page consists of the top control bar, the navigation bar, the configuration area and the bottom area.

e. Network

If you click “Network” in the top control bar, as shown in figure 4.

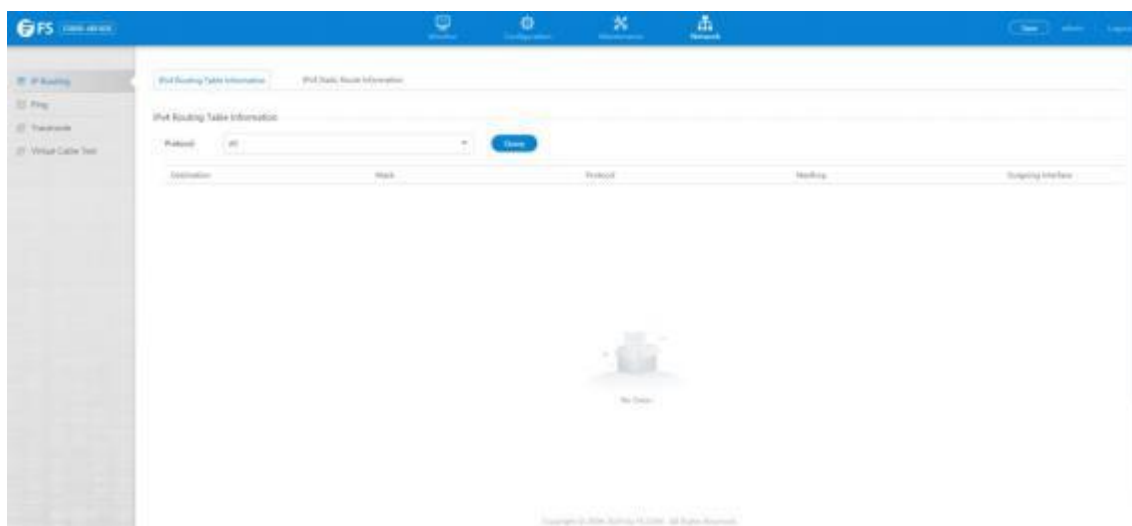


Figure 4 Web network page

The whole network page consists of the top control bar, the navigation bar, the configuration area and the bottom area.

2) Component Optimization

a. Buttons are divided into primary and secondary styles, the primary button is blue, and the secondary button is filled with light gray, as shown in figure 5.



Figure 5 Web button display

b. Buttons are divided into primary and secondary styles, the primary button is blue, and the secondary button is filled with light gray, as shown in figure 6.



Figure 6 Page turning components display

c. Optimization of marquee, options, pop-up window and Hover effect, as shown in figure 7.

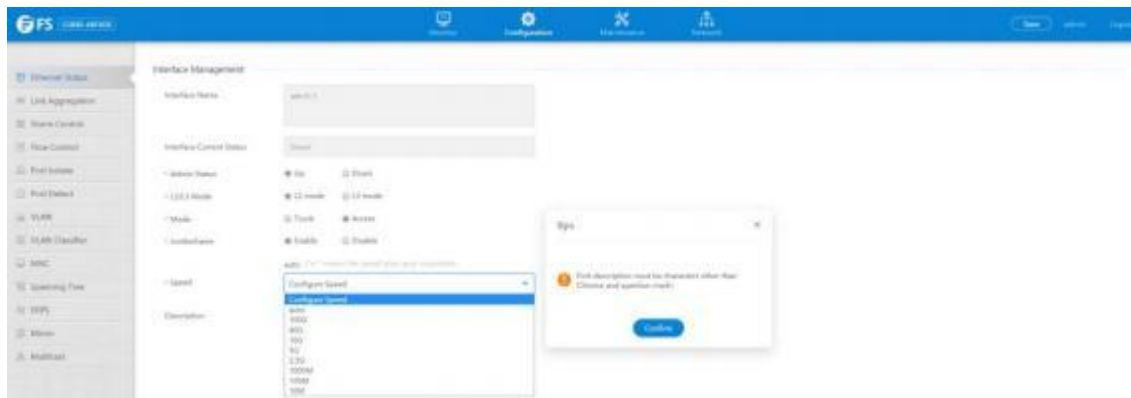


Figure 7 Pop-up and marquee display

5.9 FSOS-V7.2.4.r1

N/A

5.10 FSOS-V7.2.4

N/A

5.11 FSOS-V7.2.3.r1

N/A

5.12 FSOS-V7.2.3

N/A

6. New Behaviors Specification

New behaviors based on the baseline version

6.1 FSOS-V7.4.3.r3

N/A

6.2 FSOS-V7.4.2

N/A

6.3 FSOS-V7.4.1

Item	Earlier Behavior	New Behavior
Optimize ECMP functionality	No separate control for ECMP-related function	ECMP-related function add separate license control
Optimize MLAG functionality	The default value of keepalive-interval is 60 seconds	The default value of keepalive-interval change to 1 second. Optimize flush fdb mechanism

6.4 FSOS-V7.3.4

Item	Earlier Behavior	New Behavior
Optimize vlan class functionality	VLAN Class and IP Source Guard cannot be enabled on the same port	VLAN Class and IP Source Guard can be enabled on the same port
Optimize MLAG functionality	In MLAG environment, L2 and L3 are isolated between peer-link and MLAG port	In MLAG environment,peer-link and MLAG port are isolated by default only L2

6.5 FSOS-V7.3.3.r

N/A

6.6 FSOS-V7.2.5.r1

N/A

6.7 FSOS-V7.2.5

Item	Earlier Behavior	New Behavior
Support aggregation port member with different speed	Speed of the member port must be same before join a aggregation port	Speed of the member port can be different before join a aggregation port. The speed of the aggregation port is the summary of each member port.

6.8 FSOS-V7.2.4.r2

N/A

6.9 FSOS-V7.2.4.r1

N/A

6.10 FSOS-V7.2.4

Item	Earlier Behavior	New Behavior
IPFIX is controlled in ms (Metro service) license instead of ma (Metro advanced) license	IPFIX is controlled in ma (Metro advanced) license	IPFIX is controlled in ms (Metro service) license
SNMP Trap optimized	SNMP v2 timeout is in a range of 1- 1800s, retry time is in a range of 0- 100; SNMP v3 timeout is in a range of 0-65535s, retry time is in a range of 0-255	SNMP v2/v3 timeout is in a range of 1- 1800s, retry time is in a range of 0- 100
Smart link optimized	Static FDB can be configured on smart link interfaces but cannot work.	System support a validation check to forbidden configure static FDB on smart link interfaces.
CFM optimized	cfm domain name can be configured without format MAID can be duplicated	cfm domain name must be configured with format system support validation check that MAID must be globally unique
RIP/RIPng optimized	Increase metric when receive the message of route	Increase metric when send the message of route
OSPF resource adjusted	The maximum count of static neighbor and summary address is limited by the system memory.	The maximum static neighbor is 256 The maximum summary address is 2000
SNMP ACL use white list	SNMP ACL use black list	SNMP ACL use white list

6.11 FSOS-V7.2.3.r1

N/A

6.12 FSOS-V7.2.3

N/A

NOTE: 7.2.3 is the initial release of this series

7. Fixed Problems

Fixed problems based on baseline version

7.1 FSOS-V7.4.3.r3

Problem Description	Occurred Condition
The port LED Indicator abnormal on some device	When the last port is UP, all LED Indicators of the last 12 ports are on. When the last port is DOWN, all LED Indicators of ports are off.

7.2 FSOS-V7.4.2

Problem Description	Occurred Condition
1G optical module negotiates UP rates of 100M	hardware version recognition 1G optical module is unknown
LLDP brief show port name as MAC address	The port ID subtype sent by the LLDP neighbor is the locally assigned type

7.3 FSOS-V7.4.1

Problem Description	Occurred Condition
Known unicast forwarding exception when horizontal splitting is enabled on vin in special case	Some checking errors will cause a unicast forwarding exception when horizontal splitting is enabled on vin
After configure loopback-detect packet-interval ,it is not visible in the content of show running, but is actually in effect	The write function of this command conflicts with another global write function which caused it is not visible in the content of show running

7.4 FSOS-V7.3.4

Problem Description	Occurred Condition
Configuring a virtual IP address causes a forwarding exception in special case	There is a certain probability that configuring a virtual IP address when the corresponding ARP table entry exists in the system will cause a forwarding exception
Type 5 lsa cannot generate routes in OSPF environments in special case	After OSPF is linked with BFD,the BFD session is disconnected and the BFD state has a certain probability of causing abnormal route learning among neighbors after repeated oscillations

7.5 FSOS-V7.3.3.r

Problem Description	Occurred Condition
Removing a mirror session may lead system crash in special case	The mirror session has an mirror destination group which is not exist
Configuring EVPN RD failed in special case	If there is a remote RD same as the RD to configure, system prompt a message that "this set value must be unique"
OSPF module record some unnecessary logs in special case	There are more than one VRF in the system. When OSPF receive a packet not belong to the own VRF, it records a log.
The interface status is UP when there is no interface module plugged in	The interface belongs to a static channel group. Use the command "shutdown" and "no shutdown" to change the interface statue rapidly and repeatedly, the status may shows "UP" in some case
System cannot parse BGP packet in some case which may lead BGP neighbor disconnect	The BGP packet carries an community attribute "0000:ffff"
The SNMP node 1.3.6. 1.2. 1.31. 1. 1. 1. 10 (ifHCOutOctets) can not get the correct value on mirror destination interfaces	N/A
The memory usage is high after hardware monitor enabled	N/A
ARP learning and updating may lead system crash in special case	Lots of ARP entries learn and update repeatedly on non-tunnel interface and tunnel interface may lead system crash

7.6 FSOS-V7.2.5.r1

Problem Description	Occurred Condition
SNMP may lead memory leak in some case	Device runs for a long time and it reports CRC TRAP constantly
States of LACP interface error in some case	The steps to reproduce this bug is as following: 1, Set a member port as the destination port of a mirror session 2, Set the state of the member port as "error disable" 3, Move the member port from one LACP to another
Smart config does not work	N/A
After the MLAG device reboot, the Peer links are shut down	N/A

7.7 FSOS-V7.2.5

Problem Description	Occurred Condition
System process ARP packets abnormal in some case	"cpu protect arp" is enabled and the packets are from VxLAN networks
The IPv6 address of FD00::/8 and FC00::/8 cannot reply the PING request	N/A
The options of port speed are not same when configuring via WEB and command line, 25G cannot configure when using WEB.	N/A

7.8 FSOS-V7.2.4.r2

Problem Description	Occurred Condition
DHCP client cannot get the previous IP address from the server after timeout in some case.	Change the time of the client to let the DHCP client in timeout condition immediately, then the client will get a new IP address which is different from the previous address.
The CFM session cannot UP in overlay environment in some case.	Devices are connected by VxLAN tunnel, the down link port is a vlan translation with an up mep on it, the statues of up mep is always down.
SNMP cannot get information of interface module of the split interfaces	N/A
SSH server cannot work and CPU usage is very high in some case	The client is using the zlib@openssh compress algorithm

7.9 FSOS-V7.2.4.r1

Problem Description	Occurred Condition
Port LED abnormal on some device	The device type is S5800-48F4SR

7.10 FSOS-V7.2.4

Problem Description	Occurred Condition
Part of the private OID abnormal after use "update oem" command to update private mib OIDs	N/A
PBR configurations on the interfaces lost in some case.	Add a new route-map sequence and bind the Access control list and nexthop, the previous configuration of "ip policy route-map" may lost
The ECN field of udp packets cannot be marked	N/A
When the mlag peers are not established, the initial system ID is wrong, which lead the system send illegal LACP packets	N/A
There is a spelling mistake in the result of "show ip arp" command	N/A
The packets loop on the mlag peer-link and mlag interfaces in some case	The packets are known unicast packets
The system cannot deal with the packets sent to CPU with VLAN tag 0	N/A
System failed to match tcp reasons in CoPP System cannot configure to match tcp destination port in CoPP	N/A
Plug in and out the cable of interface eth-0- 15 on some device may lead the interface status of interface eth-0-29 changes	N/A

7.11 FSOS-V7.2.3.r1

Problem Description	Occurred Condition
Unicast packets loop in MLAG topology	The unicast FDBs have not synchronized between 2 MLAG devices, the unicast packets are not blocked on the peer link, which will lead the loop circuit
Part of the port's indicator light up by chance when system booting up	N/A

7.12 FSOS-V7.2.3

N/A

NOTE: V7.2.3 is the initial release of this series.

8. Version Restrictions and Cautions

- All features that asserted to support are in product Spec manual, for some features or CLI already exist in switches but not declared in Spec manual, we consider them as testing features, so its functions are not guaranteed. Please do not use these kinds of features in production network.
- After enable hardware FDB learning, the ARP entries are not related to the FDB entries. Delete a FDB entry will not trigger the ARP cleanup.
- After enable hardware FDB learning, errdisable reason fdb-loop will not take effect.
- If you do not require high speed FDB learning, we suggest choosing software FDB learning by default, no need to active hardware learning.
- When mirror destination port is down, the port statistic will still grow, but that do not impact function.
- Overlay will remove double vlan tag by default, after packets arrived on remote Vtep end, it will add only one vlan tag. We can also enable keep vlan tag function to keep vlan. After packets arrived on remote Vtep end, it is possible to change outer vlan based on VNI correspondence.
- Port-security can not work together with MLAG.

9. Operating System Upgrade

Step 1 Copy the image (.bin) to switch flash:/boot

```
Switch# copy mgmt-if ftp://admin:admin@10.10.25.33/S5800-and-S5850-Series-Switches-FSOS-V7.4.3.r3.r.bin  
flash:/boot
```

NOTE:

Firstly upload the firmware provided by FS to TFTP\FTP\USB key, and then copy it to switch flash:/boot from TFTP\FTP\USB key. For more details, please refer to 《s58-series-switches-fsos-software-upgrade-guide》.

Step 2 Set the target firmware as next boot firmware.

For example, set S5800-and-S5850-Series-Switches-FSOS-V7.4.3.r3.r.bin as the target version to upgrade.

```
Switch # boot system flash:/boot/S5800-and-S5850-Series-Switches-FSOS-V7.4.3.r3.r.bin
```

Then the switch will ask to confirm the setting. You can enter 'y' to continue, or enter 'n' to cancel it.

```
Are you sure to use flash:/boot/S5800-and-S5850-Series-Switches-FSOS-V7.4.3.r3.r.bin  
as the next boot image? [confirm]
```

Step 3 Verify the next boot version.

Use show boot command to verify if the next boot version is correct

Switch # show boot

The current boot image version is: FSOS-v7.4.2

The current running image is: flash:/boot/FSOS-S5800-48T4S-v7.4.2.r.bin

The current boot image version is: FSOS-v7.4.3.r3

The next running image is: flash:/boot/S5800-and-S5850-Series-Switches-FSOS-V7.4.3.r3.r.bin

Step 4 Restart the switch.

Step 5 Check if the switch has been successfully upgraded.

Switch # show version

FSOS Software, S5800, Version v7.4.3.r3.

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The current running image is flash:/boot/S5800-and-S5850-Series-Switches-FSOS-V7.4.3.r3.r.bin

FS uptime is 0 days, 0 hours, 12 minutes

Hardware Type is 48F4SR

Hardware Version is 2.0 SDRAM size 1024M

Flash size 2048M

EPLD Version is 2.2

BootRom Version is A.2.7

System serial number is CG2002249482N0027



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