# S5850,S5800 and S8050 Series Switches FSOS Software Upgrade Guide

Models: S5850-24T16S; S5850-32S2Q; S5850-48S6Q; S5850-48T4Q; S5850-48S2Q4C; S8050-20Q4C S5800-48MBQ

## Contents

1. Introduction to Version Upgrade 1
2. CLI Upgrade······1
2.1 Network Topology 1
2.2 Configuration Steps 1
3. Web Upgrade 4
3.1 Network Topology4
3.2 Configuration Steps4

## 1. Introduction to Version Upgrade

When new features are added or the original performance needs to be optimized and the current running version is out of date, the device needs to be upgraded. In this case, you need to load a high version of the system software, upgrade through the CLI interface, WEB interface, and restart the device.

## 2. CLI Upgrade

## 2.1 Network Topology



Figure 1 PC connection switch page

### 2.2 Configuration Steps

#### (1) connection Equipment

#Connect the PC and the switch to the network cable and the console port. Connect one end of the RJ-45 network cable to the network card interface of the PC and the other end to the network port of the SW. Connect one end of the console c able USB to the USB port of the PC. One end of the RJ-45 is connected to the console port on the front panel of the switch.

#### (2) Download Configuration Software

# After the connection is completed, there we recommend the super terminal, putty or Secure CRT tool to configure the switch.

#### (3) Switch on and Use Login Software

#Energizing the switch, then open the installed login software, select the serial port of login mode, port through the device manager to determine. Baud rate :115200, Data bits: 8, Parity: None, Stop bits: 1. (Reference below)

**NOTE:** COM Number can be viewed through device manager. (right click on my computer.>manage>device manager>port (COM and LPT) If it displays an unrecognized USB device, please download and install the corresponding driver.

Protocol:	Serial	~	
Port:	COM3	V Flow Control	
Baud rate:	115200		
Data bits:	8		
Parity:	None	*	
Stop bits:	1	~	
Name of pipe:			
Show quick	connect on start	up Save session	

Figure 2 Login cli configuration page

## (4) Login Switch

#After completing the above steps, hitting the Enter key of the keyboard will prompt you to enter the account password. At this time, enter the default username and password *admin/admin* to log in to the s witch.

## (5) Upgrade Software

#After logging in to the switch, open the installed TFTP upload software, specify the server root directory in its options, and put the files to be uploaded into this directory.

Current Direc	tory	D:\w	ork/uboot			- [	Browse
erver interfa	aces	127.0	).0.1		Software L	•	Show <u>D</u> i
Tftp Server	Tftp	Client	DHCP server	Sys	log server	Log view	ver
peer			file		start time	progre	ss

Figure 3 TFTP server configuration page

NOTE: The file FSOS\_S5800\_8TF12S-V5.3.x.bin should be placed in the root directory of the server.

#### (6) Upgrade ulmage

Console# copy mgmt-if tftp://192.168.1.2/FSOS\_S5800\_8TF12S-V5.3.x.bin flash:/boot/FSOS\_S5800\_8TF12S-V5.3.x.bin

NOTE: The 5.3.x in file FSOS\_S5800\_8TF12S-V5.3.x.bin indicates support for all versions of the 5.3 series.

## (7) Application System File

Console#boot system flash:/boot/FSOS\_S5800\_8TF12S-V5.3.x.bin

(8) Reboot the device

Console#reboot

(9) Upgrade weblmage

#After completing the above steps, wait for the device to restart before continuing to upgrade the webImage. Console# copy mgmt-if tftp://192.168.1.2/FSOS-webImage-v5.3.x.bin flash:/FSOS-webImage-v5.3.x.bin

(10) Enable web servicesConsole(config)# http server load flash:/FSOS-webImage-v5.3.x.binConsole(config)# service http enableConsole(config)# service https enable

## 3. Web Upgrade

## 3.1 Network Topology



Figure 1 PC connection switch page

## 3.2 Configuration Steps

## (1) Enable web services

Console(config)# http server load flash:/FSOS-webImage-v5.3.9.bin Console(config)# service http enable Console(config)# service https enable

NOTE: FSOS-webImage-v5.3.9.bin is the old web version.

## (2) Login WEB

#Enter the IP address of the management interface in the URL field of the browser: 192.168.1.1, and then enter the default username and password: *admin/admin* 

Eacone to FS Ethermet Switch       A     Account number       Image: Compared and the system     Image: Compared and the system       Image: Compared and the system     Example and the system	
Spr h	

Figure 2 Login web page

After successful login, the monitor page will appear, as shown in figure 3.

	Interface Panel															
	Interface Panel															Auto refeesh (Mar
	Interface Panel															Auto refresh Manu
	1 3															
DEDI D		L	5 [	7		9		11	13		15		17	5	19	
	2 🗔 4		6 [	3		10		12	14		16		18		20	
	nactive Active Disable	d [ <sup>C</sup>	Electrical	Optical												
	Device Information															
	Product ID				55800-8T	125						WebImage N	ame fla	sh:/FSOS-w	ebImage-v5.3.9.r.bi	n
	Location											BootRom Ver	sion		7.1.4	
	Device Name				55800-8TF1	25-119						Hardware Ve	rsion		2.0	
	Contact											EPLD Versi	on		1.2	
	Software				FSOS, 5.1	.10						Serial Num	ber	CG1908	020298N0021	
	Image Name			FSOS	_55800_8TF12	5-V5.3.10.b	in					MAC Addre	55	64:9D:	99:00:E8:B1	
	0	CPU Usane	5 seconds 9	40%, 1 m	inute 2.65%				FAI	v		Stal	115		Speed Rate	
		Memory Usage		22.22%					1-1			0	<		20%	
		Temperature		45%					1-3	2		O	ć		20%	
		PWR 1	PRESENT	FAIL	AC				1-1	3		0	¢		20%	7
		PWR 2	PRESENT	OK	AC				1-	•		0	¢.		20%	

Figure 3 Monitor page

## (3) Upgrade ulmage

#After entering the WEB interface of the switch, click "System Management>File Management" to select the ulmage file to be upgraded on web. During the upgrade process, do not close the upgrade page and power off the device.

<b>€</b> FS								
Menu				File Manageme	nt			Hi, admin 🔳 Logout
Device Summary 1	flash: T flash:// Browse	otal size: 1.6G, Free size: 1.5G boot Total size: 59.3M, Free size: 13.1M file:	The max size of file can be uploaded is 30M Upload As File		ad As Image		Upload Web Image	
File Management 2	Select	3 4 Name		Directory	5 s	ize	Usage	Operation
System Configuration		webImage-e350-5.5-en.bin	flash:		4	714		
5 35 Sec. 3.		startup-config.conf	flash:		2	.9K	Startup config*	Backup Config
Load Configuration		centecOS-e350-8ts12x-v5.3.11.6.r.bin	flash:/boot		22	.3M	System Image	Use Image
Log Management		FSOS_55800_8TF125-V5.3.10.bin	flash:/boot		22	.2M	System Image*	
		power.log	flash:/cold		7	2K	Cold log	
5NMP		bhm.log	flash:/cold			)B	Cold log	
SNMP Trap		diaglog	flash:/info		25	.1K		
		350-6-12.bin	flash:		4	714		
😨 Interface Management 🕨		syslogfile-2020-06-09-19-50-31.log.gz	flash:/syslogfile		1	12K		
Contraction Management		syslogfile-2019-12-25-06-48-42.log.gz	flash:/syslogfile		1	16K		
· · ··································		syslogfile-2020-04-27-09-53-24.log.gz	flash:/syslogfile		1	07K		
di Multicast >		syslogfile-2020-01-09-08-00-32.log.gz	flash:/syslogfile		1	01K		
100000		syslogfile-2019-12-30-05-54-21.log.gz	flash:/syslogfile		1	09K		
R 005 +		350-6-15.bin	flash:		4	714		
Q ACL >		350-6-16.bin	flash:		4	7M		
		e350_test.bin	flash:		4	7M		
L IP Routing >		350-6-18.bin	flash:		4	711		
O Samelie a		web_policymap.cs	flash:		38	.9K		
· second ·		webImage.e350.8ts12x-2.0.bin	flash:		4	714		
YI Tools ►		dhcpsnooping	flash:		1	17B	DHCP binding	
14 A. 14		webImage-e350-5.3-en.bin	flash:		4	714		
O Raboot/Save		web_port_isolate_mod.cs	flash:		10	.0K		

Figure 4 Upgrade ulmage page

## (4) Application System File

#After uploading the ulmage, click "Use Image", you can apply the ulmage file.

🕞 FS								
Menu					File Management			Hi, admin 🔳 Log
🖵 Device Summary	flash: Total size: 1.6G, Fr	ree size: 1.5G						
🔕 System Management 👻	flash:/boot Total size: 5 Browse file: 选择文件	9.3M, Free size: 13.1M 未选择任何文件 The max si	ze of file can be uploaded is 30M Upload	As File	Upload As Image		Upload Web Image	
File Management	Select	Name		Directory		Size	Usage	Operation
System Configuration	webImage-e350	)-5.5-en.bin	flash:			4.7M		
	startup-config.co	onf	flash:			2.9K	Startup config*	Backup Config
Load Configuration	FSOS_55800_8	TF125_V5.3.x.r.bin	flash:/boot			22.3M	System Image	Use Image
Log Management	FS05_55800_8	TF12S-V5.3.10.bin	flash:/boot			22.2M	System Image*	
	power.log		flash:/cold			7.2K	Cold log	
SNMP	ool.mdd		flash:/cold			08	Cold log	
and an end of	diaglog		flash:/info			25.1K		
osar nap	350-6-12.bin		flash:			4.7M		
😨 Interface Management 🕨	syslogfile-2020-	06-09-19-50-31.log.gz	flash:/syslogfile			112K		
-	syslogfile-2019-	12-25-06-48-42.log.gz	flash:/syslogfile			116K		
Service Management +	syslogfile-2020-	04-27-09-53-24.log.gz	flash:/syslogfile			107K		
A Multicat >	syslogfile-2020-	01-09-08-00-32.log.gz	flash:/syslogfile			101K		
	syslogfile-2019-	12-30-05-54-21.log.gz	flash:/syslogfile			109K		
Q05 ►	350-6-15.bin		flash:			4.7M		
0.00	350-6-16.bin		flash:			4.7M		
QP State P	e350_test.bin		flash:			4.7M		
Li IP Routing >	350-6-18.bin		flash:			4.7M		
	web_policymap.	cs .	flash:			38.9K		
V security F	webImage.e350	.8ts12x-2.0.bin	flash:			4.7M		
YI Tools +	dhcpsnooping		flash:			147B	DHCP binding	
	webImage-e350	0-5.3-en.bin	flash:			4.7M		
C Reboot/Save	web_port_isolat	e_mod.cs	flash:			10.0K		

Figure 5 Apply ulmage page

#After applying the ulmage file, you can see that it is followed by a \*.

FS FS					
enu			File Management		Hi, admin
	flash: Total size: 1.6G, Free size: 1.5G flash:/boot Total size: 59.3M, Free size: 13.1M Browse file: 過理文件 未选择任何文件 The m	x size of file can be uploaded is 30M Upload As File	Upload As Image	Upload Web Image	
File Management	Select Name	Directory	Size	Usage	Operation
	webImage-e350-5.5-en.bin	flash:	4.7M		
	startup-config.conf	flash:	2.9K	Startup config*	Backup Config
	FSOS_S5800_8TF12S_V5.3.x.r.bin	flash:/boot	22.3M	System Image*	1
	FSOS_55800_8TF12S-V5.3.10.bin	flash:/boot	22.2M	System Image	Use Image
	power.log	flash:/cold	7.2K	Cold log	
	D bhm.log	flash:/cold	08	Cold log	
	C diaglog	flash:/info	25.1K		
	350-6-12.bin	flash:	4.7M		
	syslogfile-2020-06-09-19-50-31.log.gz	flash:/syslogfile	112К		
	Syslogfile-2019-12-25-06-48-42.log.gz	flash:/syslogfile	116K		
Service Management	syslogfile-2020-04-27-09-53-24.log.gz	flash:/syslogfile	107K		
	syslogfile-2020-01-09-08-00-32.log.gz	flash:/syslogfile	101K		
	syslogfile-2019-12-30-05-54-21.log.gz	flash:/syslogfile	109K		
	350-6-15.bin	flash:	4.7M		
	350-6-16.bin	flash:	4.714		
	e350_test.bin	flash:	4.7M		
	350-6-18.bin	flash:	4.7M		
	web_policymap.cs	flash:	38.9K		
	webImage.e350.8ts12x-2.0.bin	flash:	4.7M		
	dhcpsnooping	flash:	147B	DHCP binding	
	webImage-e350-5.3-en.bin	flash:	4.7M		
	web_port_isolate_mod.cs	flash:	10.0K		

Figure 6 File system page



## (5) Reboot the device

🕞 FS			
Menu		Maintenance	Hi, admin 🔳 Logout
Device Summary			
🔷 System Management 👻	Operation Save configuration to startuo-config:		Save
File Management	Reboot the switch:	Save system configuration before reboot	2 Reboot
System Configuration	Restore Factory configuration to startup-config:		restore
Load Configuration			
Log Management			
SNMP			
SNMP Trap			
😨 Interface Management 🕨			
Service Management +			
A Multicatt >			
<b>R</b> qos <b>→</b>			
Ģ ACL ▶			
LI TP Routing >			
🗢 Security 🕨			
YI Tools +			
C Reboot/Save 1			

Figure 7 Device reboot page

## (6) Upgrade weblmage

#After the switch restarts, repeat step (1) and you can log back into the Web interface, click "System Management>File Management" to select the webImage file to be upgraded on web. During the upgrade process, do not close the upgrade page and power off the device.

🕞 FS						
Menu				File Management		Hi, admin 🔳 Lo
Device Summary System Management File Management	flash: 1 flash:/ 1 Browse	otal size: 1.6G, Free size: 1.5G boot Total size: 59.3M, Free size: 13.1M file: 造程文件 FSOS-webImage-v5.3 x bin 3 4	The max size of file can be uploaded is 30M Upload As File	Upload As Image	Upload Web Imag	
	Select	Name	Directory	Size	Usage	Operation
System Configuration		webImage-e350-5.5-en.bin	flash:	4.7M		
Load Configuration		startup-config.conf	flash:	2.9К	Startup config*	Backup Config
		FSOS_S5800_8TF125_V5.3.x.r.bin	flash:/boot	22.3M	System Image*	
Log Management		FSOS_55800_8TF12S-V5.3.10.bin	flash:/boot	22.2M	System Image	Use Image
-		power.log	flash:/cold	7.2K	Cold log	
186MP		bhm.log	flash:/cold	08	Cold log	
SNMP Trap		diaglog	flash:/info	25.1K		
		350-6-12.bin	flash:	4.7M		
😨 Interface Management 🕨		syslogfile-2020-06-09-19-50-31.log.gz	flash:/syslogfile	112K		
Contractorer a		syslogfile-2019-12-25-06-48-42.log.gz	flash:/syslogfile	116К		
V server minigramer.		syslogfile-2020-04-27-09-53-24.log.gz	flash:/syslogfile	107K		
🚠 Multicast 🕨		syslogfile-2020-01-09-08-00-32.log.gz	flash:/syslogfile	101K		
		syslogfile-2019-12-30-05-54-21.log.gz	flash:/syslogfile	109К		
Q Q05 ▶	0	350-6-15.bin	flash:	4.7M		
O ACT N		350-6-16.bin	flash:	4.7M		
German P		e350_test.bin	flash:	4.7M		
LI IP Routing >		350-6-18.bin	flash:	4.7M		
44		web_policymap.cs	flash:	38.9K		
V security >		webImage.e350.8ts12x-2.0.bin	flash:	4.7M		
YI Tools >		dhcpsnooping	flash:	147B	DHCP binding	
		webImage-e350-5.3-en.bin	flash:	4.7M		
C Reboot/Save		web port isolate mod.cs	flash:	10.06		

Figure 8 Upgrade webImage page

## (7) Login New WEB

#After upgrading the webImage, repeat step (1) and you can log back into the Web interface.



Figure 9 New login page

#Enter the default username and password: *admin/admin*, the monitor page will appear , as shown in figure 10. You can see that the ulmage and weblmage versions are the latest updates.

FS SSB00-BTF1	25	Monitor	Configuration	* Maintenance	network.			Save admin   Logou
Monitor								Auto refresh Manual * O Refresh
Interface Panel								
	G FS		1011 1011 1011 1017 1017 1017 1017 1017			0 10 10 10 10 10 10 10 10 10 1		
Device Information		f llect	rical 🔲 Optical   🔳 Acti	ve 🔳 Inactive 📕 Disab	led			
Product ID	\$\$800-8TF125	Image Name	PSOS_55800_8TF125_V5.3.	.r.bin		Serial Number	CG1908020298N0021	
Location		Weblmage Name	flash:/FSOS-webImage-v5.	La, bin		MAC Address	64:9D-99:00-E8:81	
Device Name	\$\$800-8TF125-119	BootRom Version	7.1.4			Uptime	0 days, 0 hours, 7 minutes	
Contact		Hardware Version	2.0			PWR 1	PRESENT ; FAIL ; AC	
Software	FSOS, 3.3.11.8	EPLD Version	1.2			PWR 2	PRESENT ; OK ; AC	

Figure 10 New login page

**NOTE:** After the version upgrade, the browser cache needs to be cleared, otherwise the previous cache will affect the current use of the Web.



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