

# S3900 Series Software Upgrade Guide



## 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When new features are added or the original performance needs to be optimized and the current running version is out of date, the device needs to be upgraded.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.

### Configuration Considerations

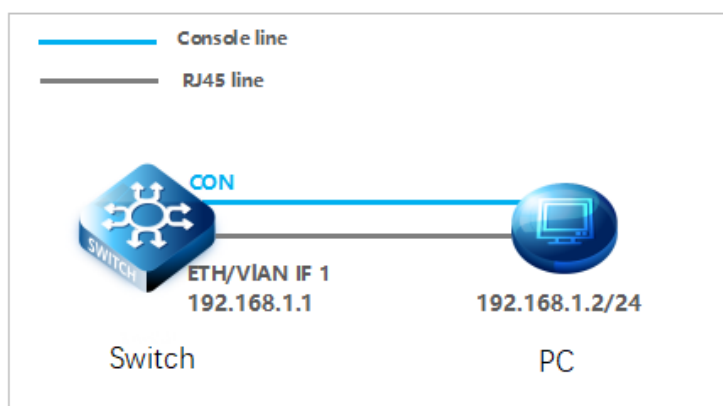
Export the switch configuration file to the backup before the upgrade to avoid losing the configuration after the upgrade.

Table 1 shows examples of applicable products and versions

Series	Models	Supported Version
S3900 series	S3900-24T-4S	
	S3900-24F-4S	
	S3900-48T-4S	

## 1. CLI Upgrade

### ● Network Topology



### ● Configuration Steps

#### 1) Connection Equipment

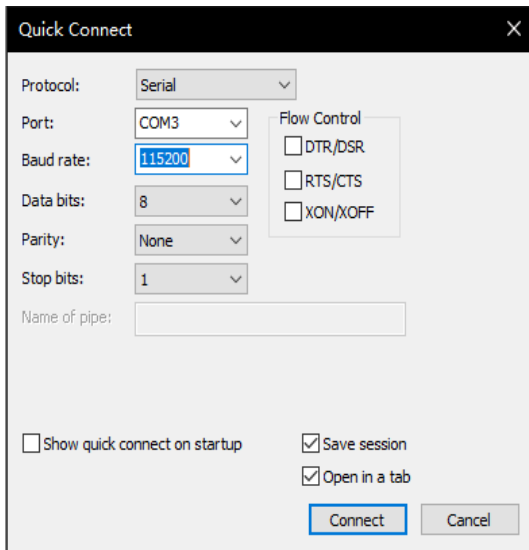
#Connect the PC and the switch to the network cable and the console port. Connect one end of the RJ-45 network cable to the network card interface of the PC and the other end to the network port of the SW. Connect one end of the console cable USB to the USB port of the PC. One end of the RJ-45 is connected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



The image shows a 'Quick Connect' dialog box with the following settings:

- Protocol: Serial
- Port: COM3
- Baud rate: 115200
- Data bits: 8
- Parity: None
- Stop bits: 1
- Name of pipe: (empty text box)
- Flow Control:
  - DTR/DSR
  - RTS/CTS
  - XON/XOFF
- Options:
  - Show quick connect on startup
  - Save session
  - Open in a tab
- Buttons: Connect, Cancel



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.

#### 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 switch.

#### 5) Upgrade Version

```

Console# copy tftp file
TFTP server IP address: 192.168.1.2
Choose file type:
1. config; 2. Image (opcode) : 2
Source file name: S3900-48T4S-MR-V0164.bin
Destination file name: S3900-48T4S-MR-V0164.bin
Success.

```

#### 6) Application System File

```

Console#conf t
Console(config)#boot system image:S3900-24F4S-MRF-V0164.bin
Console(config)#exit
Console#restart

```



Note:

By default, the switch can only store two system files. When uploading the third file, you need to delete one.

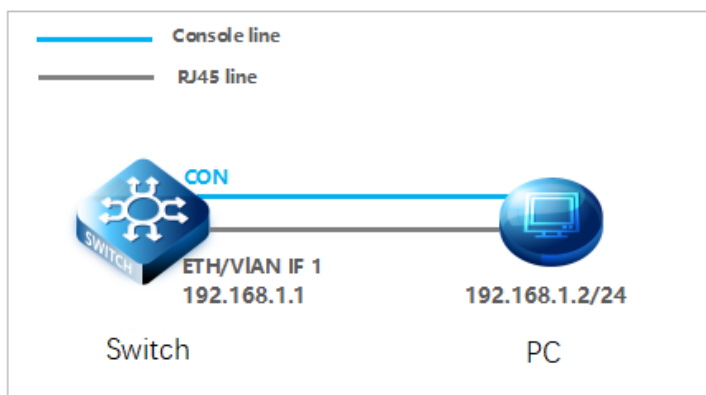
```

Console#dir
Console#delete file unit 1 name XXX

```

## 2. Web Upgrade

- Network Topology



- Configuration Steps

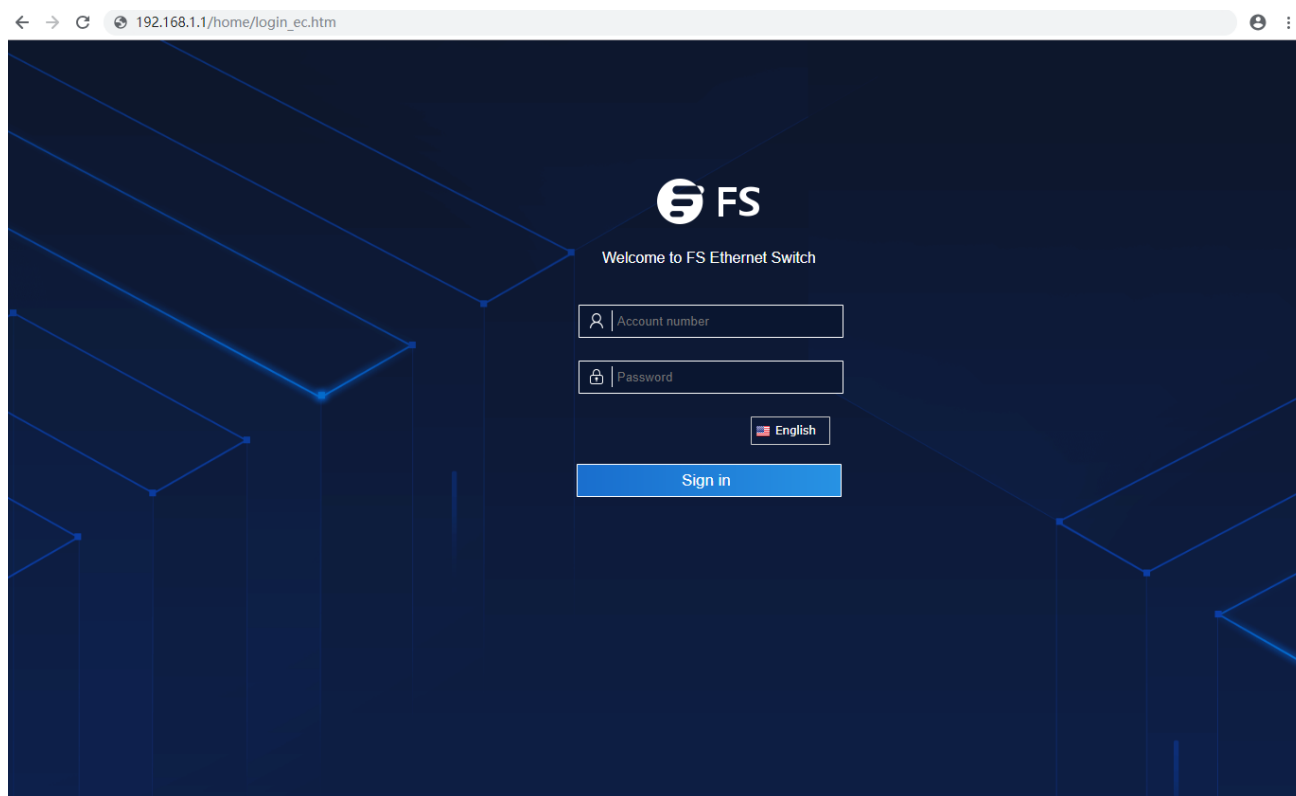
### 1) WEB Enable

#Open the web service and configure the management port ip to 192.168.1.1 (the default ip address).

```
Console#conf
Console(config)#ip http server
Console(config)#interface craft
Console(config-if)#ip add 192.168.1.1/24
```

### 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**.



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

<b>Copy Type</b>	HTTP Upload ▼
<b>File Type</b>	Operation Code ▼
<b>Source File Name</b>	Choose File No file chosen
<b>Destination File Name</b>	<input checked="" type="radio"/> S3900-48T4S-MR-V0164.bin ▼ <input type="radio"/> <input type="text"/>
<small>Note: During firmware upload, the switch may not respond to commands for a couple of minutes.</small>	
<input type="button" value="Apply"/> <input type="button" value="Revert"/>	

- (1) Copy Type: HTTP Upload
- (2) File Type: Operation Code
- (3) Source File Name: S3900-48T4S-MR-V0164.bin
- (4) Destination File Name: S3900-48T4S-MR-V0164.bin
- (5) Click after completing the above steps Apply.

#Click the StartUp button in the file management options bar, select the uploaded S3900-48T4S-MR-V0164.bin and click Apply.

**File Management** Device Management > File Management Stacking Unit: 1

File List Total: 5

File Name	File Type	Status	Modify Time	Size (bytes)
S3900-48T4S-MR-V0164.bin	Image	Inactive	2018-08-22 09:04:28	19425748
S3900-48T4S-R-P01B001V0156.bin	Image	Active	2018-12-17 16:31:56	19458516
Factory_Default_Config.cfg	Config File	Inactive	2018-12-17 15:46:44	525
startup-config	Config File	Active	2018-12-17 15:48:13	2550
startup1.cfg	Config File	Inactive	2018-12-17 15:46:53	2498

StartUp Copy Delete Revert

**File List** Total: 4

File Name	File Type	Status	Modify Time	Size (bytes)
S3900-48T4S-MR-V0164.bin	Image	Active	2018-08-22 09:04:28	19425748
Factory_Default_Config.cfg	Config File	Inactive	2018-12-17 15:46:43	525
startup-config	Config File	Active	2018-12-17 16:08:38	2605
startup1.cfg	Config File	Inactive	2018-12-17 15:46:53	2498

Apply Revert

# System Reboot

FS S3900-48T4S English | Technical support | Save | Logout | Reboot

**System Reboot** Device Management > System Reboot

**System Reload Configuration:**

Reset Mode:

Apply Revert

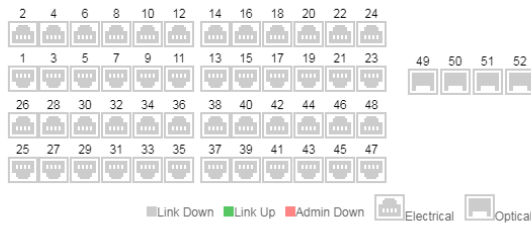
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#After the upgrade is complete, the System Information column can check whether the upgrade is successful.

- System Information
  - System Info
  - System Description
  - User Accounts
- Switch Management
- Route Management
- ACL
- CoS
- QoS
- Security
- Device Management

### Boardinfo

S3900-48T4S



Stacking Unit: 1

### Switch Information

Switch Model	S3900-48T4S
System Name	fs
Up Time	0 days, 5 hours, 29 minutes, and 28.83 seconds
Serial Number	1234567800000
Hardware Version	01
Loader Version	0.9
FSOS Software Version	1.6.4

### CPU Utilization

