

# S5900-24S4T2Q Switch FSOS Software Upgrade Guide

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Model: S5900-24S4T2Q

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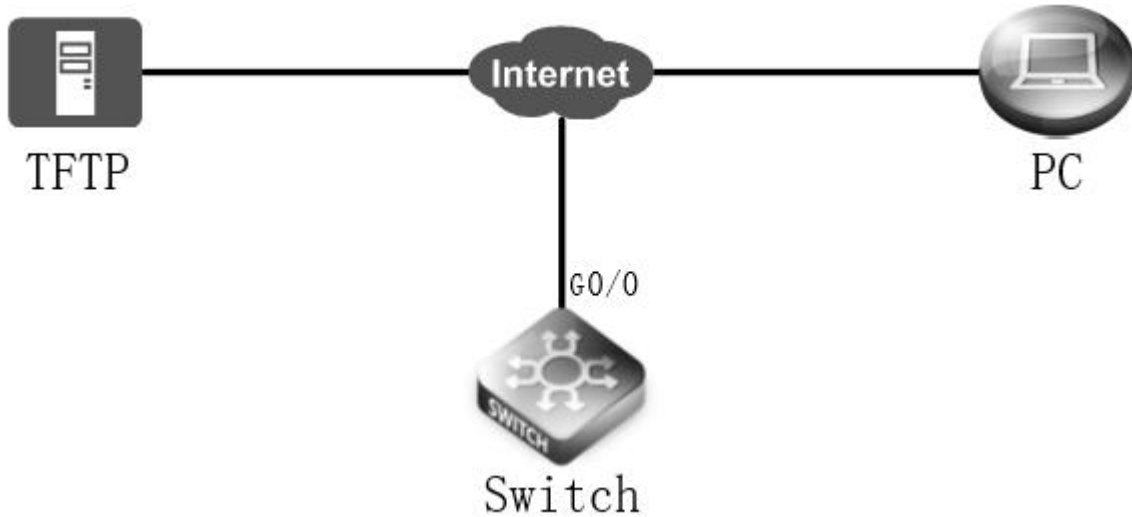
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## Introduction

When new features are added or the original performance needs to be optimized and the currently running version is out of date, the device needs to be upgraded.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

# 1. Upgrade by CLI Interface

## Network Topology



## Configuration Steps

### 1.1 Connection Equipment

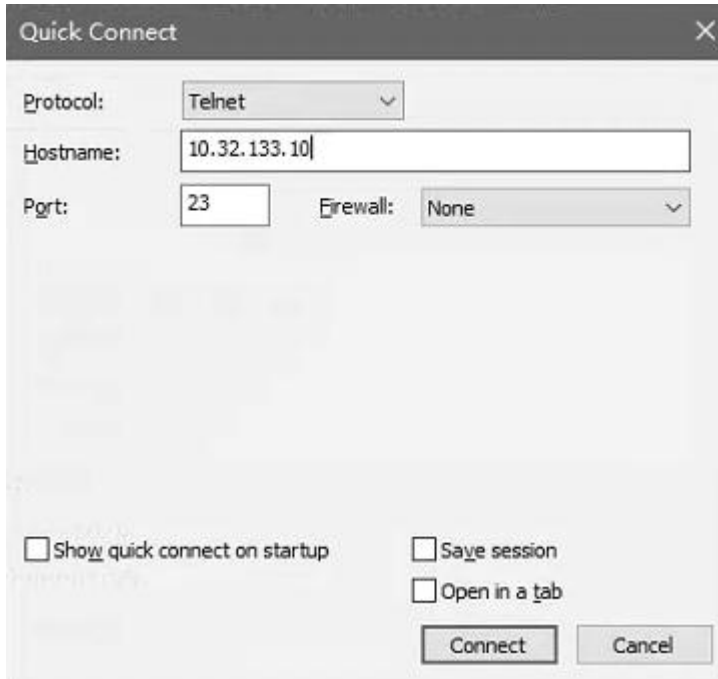
Connect the switch to the public network through the management port as shown in network topology, and configure the management IP address so that the switch can communicate with the TFTP server and the PC.

### 1.2 Download the Configuration Software

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

### 1.3 Switch on and Use Login Software

Power on the switch, open the login software installed, select the telnet login mode, enter the switch's management IP address, and connect to the switch. (as shown below)



The 'Quick Connect' dialog box is shown with the following fields and options:

- Protocol:** A dropdown menu set to 'Telnet'.
- Hostname:** A text input field containing '10.32.133.10'.
- Port:** A text input field containing '23'.
- Firewall:** A dropdown menu set to 'None'.
- Options:** Three checkboxes are present: 'Show quick connect on startup', 'Save session', and 'Open in a tab', all of which are currently unchecked.
- Buttons:** Two buttons at the bottom right, 'Connect' and 'Cancel'.

## 1.4 Log in to the 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.

## 1.5 View the Current Version Information

View the current software version information by using CLI command.

```
S5900#show version

Fiberstore Co., Limited Internetwork Operating System Software

S5900-24S4T2Q Series Software, Version 2.2.0D Build 70424, RELEASE SOFTWARE

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Compiled: 2020-1-10 15:1:2 by SYS, Image text-base: 0x108000

ROM: System Bootstrap, Version 0.4.5, hardware version: A

Serial num: CG1904033374N0029, ID num: 20027002397

System image file is "flash:S5900.bin"

FS S5900-24S4T2Q RISC

2097152K bytes of memory, 32768K bytes of flash

Base ethernet MAC Address: 64:9d:99:20:6c:4b
```

```
CPLD version:b1
```

```
snmp info:
```

```
    vend_ID:52642    product_ID:335    system_ID:1.3.6.1.4.1.52642.1.335.0
```

```
S5900 uptime is 0:00:03:13, The current time: 2020-4-3 2:15:31
```

## 1.6 Configure TFTP Server

Place the software version file to the TFTP folder directory on the server, so that the switch can read the software version file during TFTP downloading.

## 1.7 Download version file and upgrade version

CLI interface software upgrade is that the user selects the file to be upgraded on TFTP and uploads it to the device for upgrade. After upgrade, the system will automatically restart and load to the latest upgrade version.

```
S5900#copy tftp flash
```

```
Source file name[]?S5900-24S4T2Q_v2.2.0 66315.bin
```

```
Remote-server ip address[]?10.32.130.18
```

```
Destination file name[S5900-24S4T2Q_v2.2.0 66315.bin]?S5900.bin
```

```
#####
```

```
#####
```

```
#####
```

```
TFTP:successfully receive 22216 blocks, 11374495 bytes
```

```
S5900#config
```

```
S5900_config#boot system flash S5900.bin
```

```
S5900_config#quit
```

```
S5900#reboot
```

## 1.8 Restart for Verification

After the restart is complete, check the current device system running version.

```
S5900#show version
```

```
Fiberstore Co., Limited Internetwork Operating System Software
```

```
S5900-24S4T2Q Series Software, Version 2.2.0D Build 66315, RELEASE SOFTWARE
```

```
Copyright (c) 2018 by FS.COM All Rights Reserved
```

Compiled: 2019-8-15 16:11:44 by SYS, Image text-base: 0x108000

ROM: System Bootstrap, Version 0.4.5,hardware version:A

Serial num:CG1904033374N0029, ID num:20027002397

System image file is "flash:S5900.bin"

FS S5900-24S4T2Q RISC

2097152K bytes of memory,32768K bytes of flash

Base ethernet MAC Address: 64:9d:99:20:6c:4b

CPLD version:b1

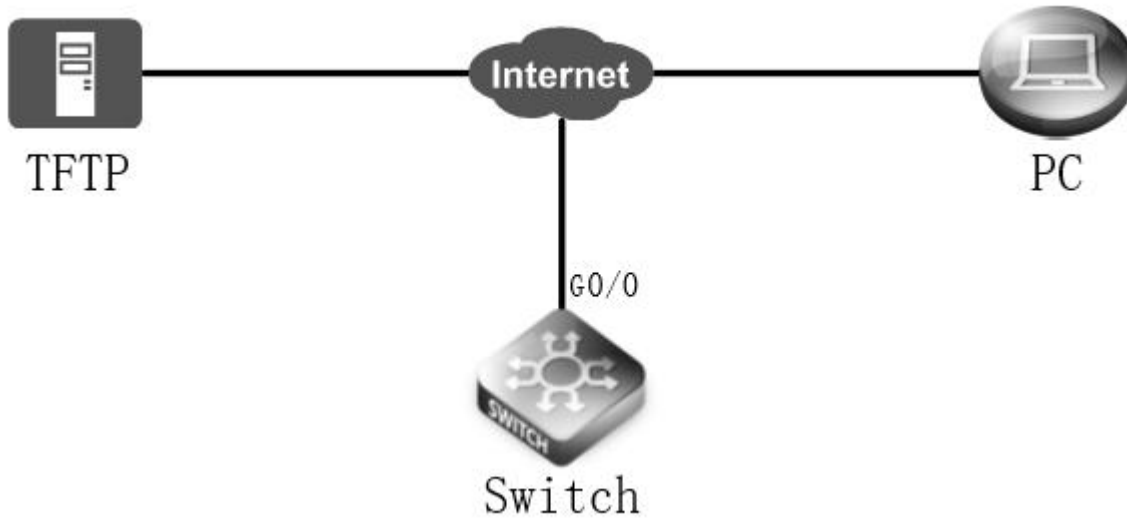
snmp info:

    vend\_ID:52642    product\_ID:335    system\_ID:1.3.6.1.4.1.52642.1.335.0

S5900-1 uptime is 0:00:05:10, The current time: 2020-4-3 2:34:34

## 2. Upgrade by WEB Interface

### Network Topology



### Configuration Steps

#### 2.1 Configure the Switch to Log in with WEB Interface

Need to enter the CLI interface for WEB interface software, then open the switch HTTP Server.

```
S5900#config
S5900_config#ip http server
```

#### 2.2 Login in the WEB Interface

Configure the PC's IP and the switch's IP on the same network segment, enter the management port IP address: 10.32.133.10 in the URL field of browser, and then enter the default user name and password: **admin / admin**



10.32.133.10

Sign in

http://10.32.133.10

Your connection to this site is not private

Username

Password

Sign in

Cancel

## 2.3 Upgrade the switch system file on the WEB Interface

After entering the switch WEB interface, select System Software> System Software> Select the file, check the reboot line above, and restart automatically after the upgrade. Click Upgrade.

### FS S5900-24S4T2Q

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System Software

Device Status

Basic Config

Port Config

L2 Config

L3 Config

Advanced Config

Network Mgr.

Diagnostic Tool

System Mgr.

User Mgr.

Log Mgr.

Startup-config

**System Software**

Factory Settings

Reboot

Backup System

Current software version: flash:/S5900.bin, 2.2.0D Build 70424 Build 70424, 2020-1-10 15:1:2 by SYS

File name on the server flash:/S5900.bin

Backup System

Update System

Reboot is required after the update of System software!

☒ Reboot the device automatically after update

File name on the server flash:/S5900.bin

Update System Choose File No file chosen

Upgrade

NOTE: Select the file to be upgraded on TFTP, please do not close the upgrade page or power off the device during the upgrade.

## 2.4 View the current system version running on the WEB interface

### FS S5900-24S4T2Q

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#### Device Info

##### Device Status

**Device Info**[Interface State](#)[Interface Flow](#)[Mac Address Table](#)[Log Query](#)**Basic Config****Port Config****L2 Config****L3 Config****Advanced Config**

#### System Information

Device Type	S5900-24S4T2Q
BIOS Version	0.4.5
Firmware Version	2.2.0D Build 66315
Serial No.	CG1904033374N0029
MAC Address	64:9D:99:20:6C:4B
IP Address	10.32.133.10
Current Time	2020-4-9 18:37:2
Uptime	0 Day -4 Hour -36 Minute -34 Second
CPU Usage	6%
Memory Usage	11%



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