

PoE+ Switch Reset and Recovery System Configuration Guide

Models: S1150-8T2F

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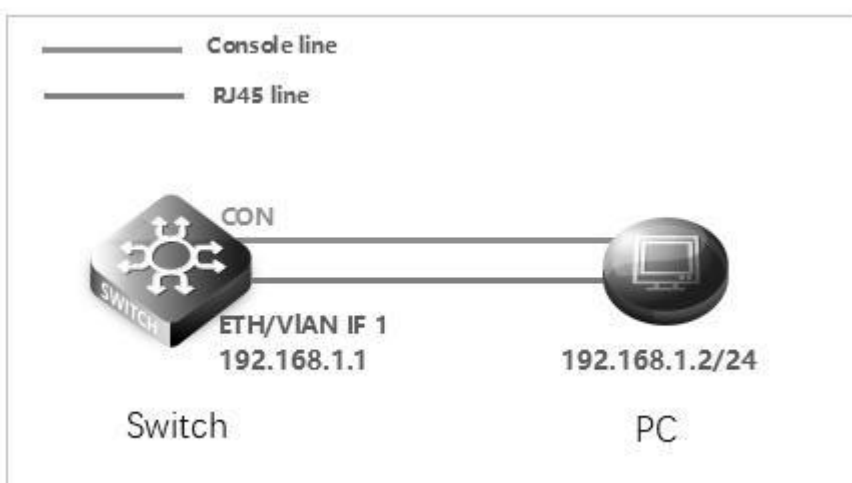
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1. Configuration Considerations

Table 1 products and versions for example

Series	Product	Support version
PoE Series Switches	S3150-8T2FP	

2. Network Topology



3. Operation Steps

3.1 Connection Equipment

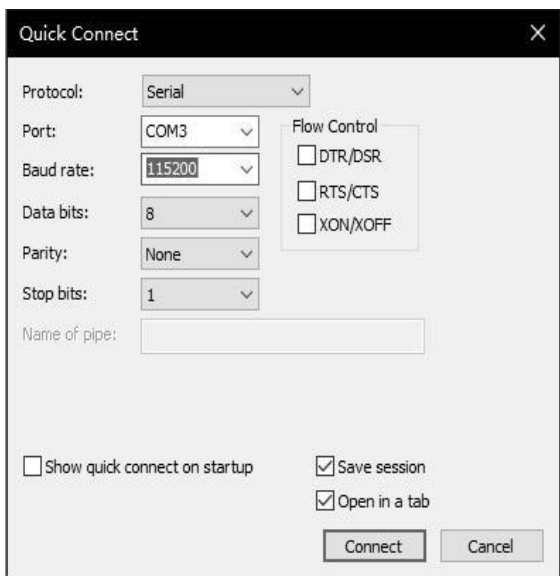
#According to the way of networking topo to connect PC and switch to network cable and Console. One end of the RJ-45 network cable is connected to the PC NIC, and the other end is connected to the SW's network port. Connect one end of Console line USB to PC's USB interface, and the other end of RJ-45 is connected to console interface of front panel of switch.

3.2 Download Configuration Software

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

3.3 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.

3.4 Restoration System

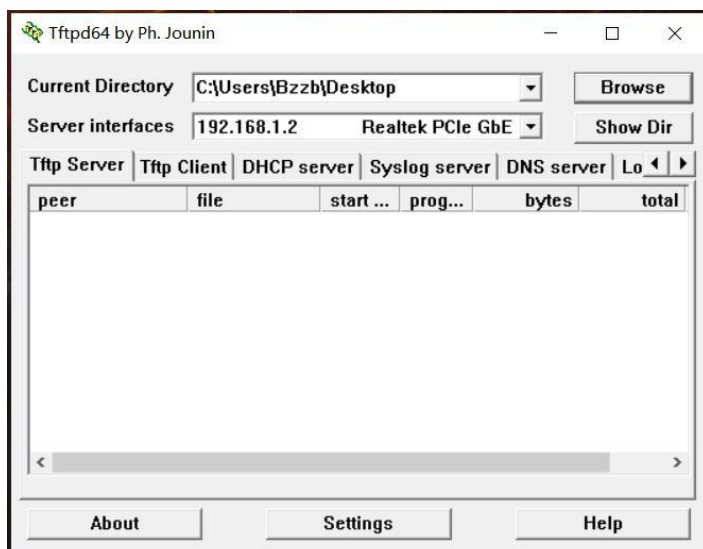
*Please use Ctrl + P to enter the monitor # interface when restarting the switch, then configure the switch IP address.

monitor#ip address 192.168.1.1 255.255.255.0

*Set PC IP address



*Then prepare tftp



```
* Then start upgrading the system: run copy tftp flash
Monitor#copy tftp flash //From ftp to flash
Source file name[ ]? FS-S1400-24T4F-2.2.0C.bin //Firmware file name
Remote-server ip address[ ]? 192.168.1.2 //TFTP Server IP address
Destination file name[FS-S1400-24T4F-2.2.0C.bin]? //Switch.bin
When prompted: TFTP: successfully sent ...
After the success # reboot just fine
```

3.5 Switch to Factory Reset

```
Switch#delete startup-config
this file will be erased, are you sure? (y/n)y
Switch#reboot
```

If the file name is not entered, the startup-config files will be deleted by default

3.6 Recovery the Password of the Switch

3.6.1 Restart the switch

#After completing the above steps, power off and restart the switch. During the restart process, continuously press "CTRL + P" to enter the switch system monitoring mode (monitor #) and view the file of the switch.

```
System Bootstrap, Version 0.4.5, Serial No:CG1908020295N0026
Copyright (c) 2018 by FS.COM All Rights Reserved
FS S5900-24S4T2Q
Current time: 1970-1-1 0:00:00
SDRAM Fast Test.....PASS!
Flash Fast Test.....PASS!
RTC Test.....PASS!
```

Welcome to S5900-24S4T2Q Ethernet Switch

```
monitor#dir
Listing Directory /:
Switch.bin <FILE> 11374495 Nov 12 15:33:16 2019
web.wrp <FILE> 30580 Nov 12 16:32:30 2019
startup-config <FILE> 1566 Jan 01 00:02:26 1970
free space is 17872896 bytes
```

PS. You can view the configuration file under the switch as startup-config through dir.

3.6.2 View the Configuration File

A: Plaintext Encryption Solution

```
monitor#more startup-config //view the configuration file information
!version 2.2.0D build 66315
service timestamps log date
service timestamps debug date
!
spanning-tree mode rstp
!
aaa authentication login default local
aaa authentication enable default none
aaa authorization exec default local
!
username admin password 0 admin
!
interface Null0
!
interface GigaEthernet0/0
no ip address
no ip directed-broadcast
!
interface GigaEthernet0/1
!
interface GigaEthernet0/2
!
interface GigaEthernet0/3
!
interface GigaEthernet0/4
!
interface TGigaEthernet0/1
!
interface TGigaEthernet0/2
!
interface TGigaEthernet0/3
!
interface TGigaEthernet0/4
!
interface TGigaEthernet0/5
!
interface TGigaEthernet0/6
!
interface TGigaEthernet0/7
!
interface TGigaEthernet0/8
!
interface TGigaEthernet0/9
!
interface TGigaEthernet0/10
!
interface TGigaEthernet0/11
!
interface TGigaEthernet0/12
!
interface TGigaEthernet0/13
!
interface TGigaEthernet0/14
!
interface TGigaEthernet0/15
!
interface TGigaEthernet0/16
!
interface TGigaEthernet0/17
!
interface TGigaEthernet0/18
!
interface TGigaEthernet0/19
!
interface TGigaEthernet0/20
!
interface TGigaEthernet0/21
!
interface TGigaEthernet0/22
```

```

!
interface TGigaEthernet0/23
!
interface TGigaEthernet0/24
!
interface QTGigaEthernet0/1
!
interface QTGigaEthernet0/2
!
interface VLAN1
ip address 192.168.1.1 255.255.255.0
no ip directed-broadcast
!
vlan 1
!
ip exf
!
ipv6 exf
!
ip http server
!
ip sshd enable
!
!Pending configurations for absent linecards:
!
!No configurations pending global
  
```

#By viewing the configuration file information, you can see that the user name and password configured on the switch is “username admin password 0 admin”, which indicates that the switch uses plaintext encryption, so directly restart the switch with the command: reboot, and then log in switch with admin/admin.

B: Ciphertext Encryption Solution

```

monitor#more startup-config //view the configuration file information
!version 2.2.0D build 66315
service timestamps log date
service timestamps debug date
!
spanning-tree mode rstp
!
aaa authentication login default local
aaa authentication enable default none
aaa authorization exec default local
!
username admin password 0 *****
!
  
```

#By viewing the configuration file information, you can see that the user name and password configured on the switch is “username admin password *****”, which indicates that the switch uses ciphertext encryption.

#Solution: The cipher text method can only choose to delete the original configuration file, but in order to retain the configuration file when the device can operate normally after logging to the switch, it’s need to back up the configuration file, the specific steps are as follows:

- 1) First display all configuration information through the command: more startup-config, and then put the configuration information into the TXT file by copying and pasting.
- 2) Delete the configuration file and restart the switch

```

monitor#delete startup-config //delete the configuration file
this file will be erased,are you sure?(y/n)y
monitor#reboot //restart
Do you want to reboot the Switch(y/n)?y
Please wait...

System Bootstrap, Version 0.4.5, Serial No:CG1908020295N0026
Copyright (c) 2018 by FS.COM All Rights Reserved
FS S5900-24S4T2Q
Current time: 1970-1-1 0:00:00
SDRAM Fast Test.....PASS!
Flash Fast Test.....PASS!
RTC Test.....PASS!
Loading flash:/Switch.bin.....
  
```

```

Start Decompress flash:/Switch.bin
#####
#####
#####
Decompress 11112802 byte. Please wait system up...
System startup OK

Switch console 0 is now available

Press RETURN to get started

Jan 1 00:00:46 User default logged out on console 0
Jan 1 00:00:57 %STATICMEM-6-REFILL:Static memory region refilled at 37aad8
load 63296 symbol OK
Loading startup-config ... SUCCESS:Empty Configuration.
User Access Verification

Username: admin //input the username and password "admin" in default
Password:
Welcome to FS S5900-24S4T2Q Ethernet Switch

Switch>enable
Switch#show running-config
Building configuration...

Current configuration:
!
!version 2.2.0D build 66315
service timestamps log date
service timestamps debug date
!
spanning-tree mode rstp
!
aaa authentication login default local
aaa authentication enable default none
aaa authorization exec default local
!
username admin password 0 admin
!
interface Null0
!
interface GigaEthernet0/0
no ip address
no ip directed-broadcast
!
interface GigaEthernet0/1
!
interface GigaEthernet0/2
!
interface GigaEthernet0/3
!
interface GigaEthernet0/4
!
interface TGigaEthernet0/1
!
interface TGigaEthernet0/2
!
interface TGigaEthernet0/3
!
interface TGigaEthernet0/4
!
interface TGigaEthernet0/5
!
interface TGigaEthernet0/6
!
interface TGigaEthernet0/7
!
interface TGigaEthernet0/8
!
interface TGigaEthernet0/9
!
interface TGigaEthernet0/10
!
interface TGigaEthernet0/11
!

```



```

interface TGigaEthernet0/12
!
interface TGigaEthernet0/13
!
interface TGigaEthernet0/14
!
interface TGigaEthernet0/15
!
interface TGigaEthernet0/16
!
interface TGigaEthernet0/17
!
interface TGigaEthernet0/18
!
interface TGigaEthernet0/19
!
interface TGigaEthernet0/20
!
interface TGigaEthernet0/21
!
interface TGigaEthernet0/22
!
interface TGigaEthernet0/23
!
interface TGigaEthernet0/24
!
interface QTGigaEthernet0/1
!
interface QTGigaEthernet0/2
!
interface VLAN1
ip address 192.168.1.1 255.255.255.0
no ip directed-broadcast
!
vlan 1
!
ip exf
!
ipv6 exf
!
ip http server
!
ip sshd enable
!
!Pending configurations for absent linecards:
!
!No configurations pending global
Switch# dir

Listing Directory /:
Switch.bin      <FILE>    11374495  Nov 12 15:33:16 2019
web.wrp        <FILE>    30580    Nov 12 16:32:30 2019
free space is 17874944 bytes
  
```

3) Import the configuration file, the steps are as follows:

First modify the TXT file name to: startup-config, and then delete the username configuration in the document or modify the "username configuration" in the document to "username XXX password XXX"

After uploading the configuration file to the switch with the TFTP / FTP software, then load the configuration file with following command and restart the device:

```

Switch#config
Switch_config#boot system flash startup-config
Switch_config#exit
Switch#reboot
  
```

PS. Use the following two commands to view the configuration information of the switch:

monitor#more startup-config / monitor#show configuration



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