FS

SG-5110 Gateway Reset And Recovery System Configuration Guide

Model: SG-5110

Contents

1. Restore Factory Settings

1.1 Networking Requirements

Need to clear the existing configuration of the device and restore the factory default settings.

1.2 Configuration Points

After restoring the factory settings, the original configuration will be cleared. If the configuration is more important, please backup the configuration first;

If the router's WEB interface fails to log in, you need to use the console line to restore the factory through the command line;

After restoring the factory settings, the default IP of the 0/MGMT interface is 192.168.1.1, and the user name and password are both admin;

1.3 Configuration Steps

1.3.1 Restore Factory Settings by Command Line

Log in to the device command line through telnet or hyper terminal.

In SG-5110# mode, enter the command delete flash:config.text, and when prompted to confirm the deletion of the file, enter Y to confirm.

```
SG-5110#dir
Directory of flash:/

Number    Properties    Size         Time                        Name
------    ----------    ------       -----------------------     --------------------
  1        -rw-          8.6k         Tue Jul 14 02:19:39 2020     config.text
  2        drwx         16.0k         Mon Aug 11 12:43:16 2008     lost+found
  3        -rw-          61B          Mon Aug 11 12:44:07 2008     patch.url
  4        drwx          4.0k         Wed Jun 24 02:29:02 2020     flowctrl_update
  5        drwx          4.0k         Mon Aug 11 12:44:37 2008     syslog
  6        drwx          4.0k         Wed Jun 24 03:28:15 2020     portal
  7        drwx          4.0k         Mon Aug 11 12:43:42 2008     rep
  8        drwx          4.0k         Thu Mar 26 12:31:57 2020     fs_licns
  9        drwx          4.0k         Mon Aug 11 12:44:39 2008     storage
 10        drwx          4.0k         Mon Aug 11 12:43:43 2008     var
 11        drwx          4.0k         Mon Jun  8 19:51:55 2020     auto_route
 12        drwx          4.0k         Mon Aug 11 12:43:51 2008     upgrade
 13        -rwx          1.6k         Mon Aug 11 12:43:51 2008     rsa_private.bin
 14        drwx          4.0k         Mon Aug 11 12:43:45 2008     mode_mgmt
 15        -rwx          21B          Tue Jul 14 02:19:38 2020     syslog_rfc5424_flag.txt
 16        -rwx          1.6k         Mon Aug 11 12:43:49 2008     rsa1_private.bin
 17        drw-          4.0k         Mon Aug 11 12:44:05 2008     httpcache
 18        dr--          4.0k         Mon Aug 11 12:44:01 2008     sslvpn
 19        -rw-          8B           Tue Jul 14 02:19:39 2020     ap-config.text
 20        -rw-          1.4k         Tue Jul 14 02:32:35 2020     diskstats
 21        -rwx          444B         Wed Jun 24 03:25:49 2020     user-info.csv
 22        -rw-          424B         Mon Aug 11 12:44:17 2008     patch.config
9 files, 13 directories
1,023,270,912 bytes data total (1,016,688,640 bytes free)
```

1,073,766,400 bytes flash total (1,016,688,640 bytes free)

SG-5110#delete flash:config.text

Do you want to delete [flash:/config.text]? [Y/N]:y

After deleting the configuration file, in the SG-5110# mode, enter the reload command to confirm the restart, enter Y, after the device

restarts, restore to the factory settings.

SG-5110#reload

Reload system?(Y/N)y

1.4 Configuration Verification

After restoring the factory settings, configure a computer with an IP of 192.168.1.10 and a subnet mask of 255.255.255.0 and a gateway of

192.168.1.1. Connect this computer to the device's 0/MGMT port;

Open the computer to run, enter cmd, enter ping 192.168.1.1 in the pop-up window to see if it can be pinged, if it can be pinged, the

recovery is successful;

C:\Users\FS>ping 192.168.1.1

Ping 192.168.1.1 has 32 bytes of data:

Reply from 192.168.1.1: byte=32 time=2ms TTL=64

Reply from 192.168.1.1: byte=32 time=2ms TTL=64

Reply from 192.168.1.1: byte=32 time=3ms TTL=64

Reply from 192.168.1.1: byte=32 time=2ms TTL=64

Ping statistics of 192.168.1.1:

     Packet: Sent = 4, Received = 4, Lost = 0 (0% lost),

Estimated time of round trip (in milliseconds):

Shortest = 2ms, longest = 3ms, average = 2ms

2. Password Recovery

*Notes on password recovery

- When doing password recovery, please prepare the console line first.
- Password recovery needs to restart the device, which will cause network disconnection. Please perform password recovery when it
  is convenient to disconnect the network;
- If the administrator himself has forgotten the web management password of the gateway device and cannot log in through the
  web, then he can enter the CTRL layer through the configuration line for password recovery, and the previous configuration
  information can be retained;

2.1 Network Topology
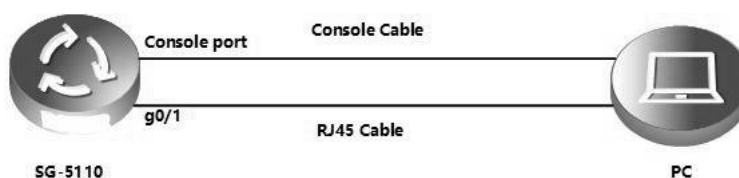
2.2 Configuration Steps

2.2.1 Connect the Console Port of the Device with a Configuration Cable

2.2.2 Use Hyperterminal to Configure Network Devices

Manually power off and restart the device

When the Ctrl+C prompt appears, press the CTRL and C keys simultaneously on the keyboard to enter the bootloader menu

```
U-Boot V3.3.0.9dc7669 (Dec 20 2018 - 14:04:49 +0800)


Clock:   CPU        1200 [MHz]
         DDR        800   [MHz]
         FABRIC   800   [MHz]
         MSS        200   [MHz]
DRAM:   2 GiB
U-Boot DT blob at : 000000007f680678
Comphy-0: SGMII1            3.125 Gbps
Comphy-1: SGMII2            3.125 Gbps
Comphy-2: SGMII0            1.25 Gbps
Comphy-3: SATA1             5 Gbps
Comphy-4: UNCONNECTED      1.25 Gbps
Comphy-5: UNCONNECTED      1.25 Gbps
UTMI PHY 0 initialized to USB Host0
UTMI PHY 1 initialized to USB Host1
MMC:     sdhci@780000: 0
SCSI:    Net:     eth0: mvpp2-0, eth1: mvpp2-1, eth2: mvpp2-2 [PRIME]
SETMAC: Setmac operation was performed at 2020-03-25 20:19:16 (version: 11.0)
Press Ctrl+C to enter Boot Me 0
Entering simple UI....


====== BootLoader Menu("Ctrl+Z" to upper level) ======
     TOP menu items.
**********************************************
     0. Tftp utilities.
     1. XModem utilities.
     2. Run main.
     3. SetMac utilities.
     4. Scattered utilities.
**********************************************
```

After entering the bootloader menu, enter the Ctrl and Q keys simultaneously to enter the uboot command line

In the uboot command line state, enter the command main_config_password_clear.

```
====== BootLoader Menu("Ctrl+Z" to upper level) ======
     TOP menu items.
**********************************************
     0. Tftp utilities.
     1. XModem utilities.
     2. Run main.
```

3. SetMac utilities.

4. Scattered utilities.

****

Press a key to run the command:

Bootloader# main_config_password_clear

After the device restarts, enter enable to enter the global mode, and modify the privileged password and WEB administrator password in the device configuration mode as follows:

Configure a new WEB password

SG-5110>enable

SG-5110#config t

SG-5110(config)# webmaster username admin password admin   ---------The new username and password is admin

SG-5110(config)#exit

Configure the command line privileged password

SG-5110(config)# enable secret admin   ----------Set the command line privilege password to admin

SG-5110#write   ---------Save configuration

When VPN and WEB authentication is enabled, the console interface will also perform user authentication. You need to modify the password for user authentication. Otherwise, the console interface cannot be logged in after exiting. You need to reconfigure the telnet password on the WEB interface to solve or configure the telnet user and password in the command.

SG-5110(config)#username admin password admin

NOTE: After entering the system, do not exit before changing the password; otherwise, enter the original password again;

2.3 Configuration Verification

Login with a new user name and password to confirm successful login.

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Germany
United States
China
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