

# Gateway Version Release Notes

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Models:SG-5110; SG-5105; SG-3110

## Contents

1. Problem Solved.....	1
2. Upgrade Files.....	5
3. Upgrade Notes .....	6
4. Upgrade Steps.....	6
4.1 Upgrade Steps Via Web.....	7

## 1. Problem Solved

<b>BUG ID</b>	<b>758244</b>
Problem Description	Show feedback item view, and the bottom command shows error
Workaround	Upgrade new version
ID Number	08222118

<b>BUG ID</b>	<b>757652</b>
Problem Description	The device visits the macc website regularly
Workaround	Upgrade new version
ID Number	08222118

<b>BUG ID</b>	<b>757534</b>
Problem Description	The device will actively send probes to specific fixed domain names
Workaround	Upgrade new version
ID Number	08222118

<b>BUG ID</b>	<b>756207</b>
Problem Description	Repeatedly turn on and off the built-in web authentication on the web site, PC surfs the Internet, can jump to the redirected page, but the page data cannot be loaded
Workaround	Upgrade new version
ID Number	08222118

<b>BUG ID</b>	<b>754062</b>
Problem Description	The version does not support HTTP page automatically jump to HTTPS
Workaround	Upgrade new version
ID Number	08222118

<b>BUG ID</b>	<b>753192</b>
Problem Description	Traffic monitoring-real-time traffic-unit statistics error results in an abnormal display of traffic bandwidth
Workaround	Upgrade new version
ID Number	08222118

<b>BUG ID</b>	<b>753106</b>
Problem Description	Weak password quick configuration set the initial password prompt is incorrect
Workaround	Upgrade new version
ID Number	08222118

<b>BUG ID</b>	<b>751725</b>
Problem Description	Flow control template expert mode-flow control strategy does not support the configuration of aggregation ports
Workaround	Upgrade new version
ID Number	08222118

<b>BUG ID</b>	<b>750680</b>
Problem Description	Modify the parameters of the large bandwidth flow control template and optimize the application classification group
Workaround	Upgrade new version
ID Number	08222118

<b>BUG ID</b>	<b>749933</b>
Problem Description	Device aggregation port line escape does not take effect
Workaround	Upgrade new version
ID Number	08222118

<b>BUG ID</b>	<b>749929</b>
Problem Description	SIP crashes
Workaround	Upgrade new version
ID Number	08222118

<b>BUG ID</b>	<b>749913</b>
Problem Description	If the WEB authentication is not enabled, access the device's 8081 port, the device's WEB authentication will have the user's authentication information
Workaround	Upgrade new version
ID Number	08222118

<b>BUG ID</b>	<b>748579</b>
Problem Description	The ACL display does not take effect after the power is off, but it actually takes effect
Workaround	Upgrade new version
ID Number	08222118

<b>BUG ID</b>	<b>746155</b>
Problem Description	Unable to strip the VLAN0 tag carried by the operator, resulting in the inability to access the Internet
Workaround	Upgrade new version
ID Number	08222118

<b>BUG ID</b>	<b>728437</b>
Problem Description	Use proxy software to skip the authentication and go online
Workaround	Upgrade new version
ID Number	08222118

<b>BUG ID</b>	<b>722454</b>
Problem Description	Local authentication-authentication page-input a wrong user name and password prompt error
Workaround	Upgrade new version
ID Number	08222118

<b>BUG ID</b>	<b>717212</b>
Problem Description	The capwap.elf process CPU continues to be high
Workaround	Upgrade new version
ID Number	08222118

<b>BUG ID</b>	<b>711606</b>
Problem Description	After the device's 10 Gigabit port is shut down, the driver will send and receive packets abnormally, causing network abnormalities
Workaround	Upgrade new version
ID Number	08222118

<b>BUG ID</b>	<b>754653</b>
Problem Description	IP DNS server enable needs to be turned off by default
Workaround	Upgrade new version
ID Number	08222118

<b>BUG ID</b>	756166、754749、754699、754677、752201、754122、754090、754065、753624、751192、750131、749922、749909、749905、714637、716248
Problem Description	Fix several vulnerabilities
Workaround	Upgrade new version
ID Number	08222118

<b>BUG ID</b>	722769
Problem Description	Prohibit the use of weak passwords
Workaround	Upgrade new version
ID Number	08222118

<b>BUG ID</b>	691599
Problem Description	<ol style="list-style-type: none"> <li>1) After the device is restarted after setmac and the hostname may be displayed incorrectly (it should be FS, displayed as Device)</li> <li>2) SG5105/SG5110 start serial port log will print error</li> <li>3) Show reboot-reason will show an error</li> </ol>
Workaround	Upgrade new version
ID Number	08132016

## 2. Upgrade Files

Applicable Products	upgrade document
SG-5110、SG-5105	Upgrade document SG_5100_FSOS_11.9(1)B11S4_08222118.bin
	File Description System installation package
	File size 181510858 byte
	MD5 462199371bfe449ccd63ed0b9a6ed7d5
SG-3110	Upgrade document SG_3110_FSOS_11.9(1)B11S4_08222118.bin
	File Description System installation package
	File size 65176082 byte
	MD5 1316fd336a01e66bc3fde4d4b1bd9a28

### 3. Upgrade notes

In the customer's actual network environment, the device can only enter the Ctrl program after the device is started and cannot enter the Main program. Therefore, it is recommended to upgrade under the Ctrl program.

This version requires a mandatory upgrade of the Boot program and Ctrl program.

If the upgrade is successful, the version numbers of the Main program, Boot program, and Ctrl program are all FSOS\_11.9(1)B11S4, Release(08222118)

```
FS#sho version detail
System description      : FS Security Gateway (SG-5105) By FS.COM Inc.
System start time      : 2021-10-22 13:59:47
System uptime          : 0:00:00:33
System hardware version : 1.00
System software version : SG-5105_FSOS 11.9(1)B11S4, Release(08222118)
System patch number     : NA
System software number  : M18385810212021
System serial number    : MACC987656694
System boot version     : 3.4.0.8e822d5(210817)
System core version     : 4.4.52.b2016412124bb2
System cpu partition    : 1-3
```

### 4. Upgrade steps

- 1) Connect the device port with the Ethernet port of the PC directly or indirectly with an Ethernet cable, and open the TFTP server on the PC, and select the file to be transferred, such as the installation package file.
- 2) Use the serial port to connect to the device: pass the device through the console port on the front panel Connect to the PC serial terminal, and open the serial terminal program on the PC such as Window's Hyper Terminal or SecureCRT, Linux system minicom, etc., set the baud rate to 9600, 8bit data bits, 1 stop bit, and no flow control. Or, you can use telnet to connect to the device: Window's HyperTerminal or SecureCRT telnet to log in to the device.
- 3) Use tftp to upgrade the installation package under the main program. Rename the installation package to fsos.bin. The ip in the command is the ip of the PC.

```
FS#copy tftp://192.168.1.100/fsos.bin flash:fsos.bin
The file has existed; do you want to overwrite it? [yes/no]:y
```

- 4) After the file transfer is complete, restart the device.

```
FS# reload
Processed with reload? [no] y
```

- 5) After the startup is complete, execute the show version command to check the current software version and confirm that the upgrade is successful.



### 4.1 Upgrade steps via the web

- 1) Log in to the management interface of the export gateway through WEB;
- 2) Enter the system upgrade page:



- 3) Browse, find the upgrade file locally, and then click to start the upgrade:
- 4) After the upgrade is successful, restart the device. Check whether the upgrade is successful through the version information displayed on the WEB.

Note: During the upgrade process, please do not power off or restart the device.



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