

S3910 Series Switches Reset and Recovery System Configuration Guide

Models: S3910-24TS; S3910-48TS; S3910-24TF

Contents

1. Restore Factory Settings.....	1
1.1 Enter Privileged Mode.....	1
1.2 View Device Flash Current File List.....	1
1.3 Delete the Configuration File "config.text".....	1
1.4 Restart the Device.....	2
2. Password Recovery.....	2
2.1 Network Topology.....	2
2.2 Configuration Steps	2
2.2.1 Connect the Console Port of the Device with a Configuration Cable.....	2
2.2.2 Use HyperTerminal to Configure Network Devices.....	2
2.3 Functional Verification	4

***If you forget the device password, but want to restore the device to the factory settings, you can refer to the "password recovery" operation, enter the operating mode and restore the factory settings as follows.**

1. Restore Factory Settings

When the device can enter the operating mode normally:

1.1 Enter Privileged Mode

```
S3910>enable          ----->Enter privileged mode
```

1.2 View Device Flash Current File List

```
S3910#dir             ----->View the current flash file list
```

Directory of flash:/

Number	Properties	Size	Time	Name
1	drw-	288B	Wed Mar 11 05:20:00 2020	at
2	drwx	160B	Wed Mar 11 05:19:54 2020	dev
3	drwx	160B	Wed Mar 11 05:19:45 2020	rep
4	drwx	224B	Wed Mar 11 05:19:46 2020	var
5	drwx	160B	Wed Mar 11 05:19:56 2020	addr
6	-rw-	0B	Wed Mar 11 05:20:04 2020	msg_rtp_lvl2.txt
7	-rw-	0B	Wed Mar 11 05:21:15 2020	msg_rtp_lvl3.txt
8	-rw-	0B	Wed Mar 11 05:21:02 2020	ssc_fp_appmng_debug.txt
9	-rwx	82B	Wed Jul 8 15:49:43 2020	config_vsu.dat
10	-rw-	1.4k	Wed Jul 8 15:49:43 2020	config.text
11	-rw-	0B	Wed Mar 11 05:20:04 2020	ss_ds_debug.txt
12	-rwx	21B	Wed Jul 8 15:49:42 2020	syslog_rfc5424_flag.txt
13	-rwx	620B	Wed Mar 11 05:19:55 2020	rsa_private.bin
14	-rwx	616B	Wed Mar 11 05:19:54 2020	rsa1_private.bin
15	-rw-	0B	Wed Mar 11 05:20:01 2020	ss_comm.txt
16	drwx	160B	Wed Mar 11 05:19:56 2020	upgrade
17	drwx	4.6k	Wed Mar 11 06:54:14 2020	tech_vsd0
18	drwx	224B	Wed Mar 11 05:19:56 2020	unify_manage
19	drwx	312B	Wed May 13 17:22:00 2020	syslog
20	-rw-	0B	Wed Mar 11 05:20:49 2020	policy_adjust_debug.txt
21	drw-	224B	Wed Mar 11 05:20:49 2020	arpswitch
22	-rw-	0B	Wed Mar 11 05:20:04 2020	ss_ds_timeout.txt
23	-rw-	2.2k	Tue Jun 30 17:28:49 2020	standalone.text

13 files, 10 directories

6,103,040 bytes data total (5,189,632 bytes free)

266,338,304 bytes flash total (5,189,632 bytes free)

1.3 Delete the Configuration File "config.text"

```
S3910#delete config.text ----->Delete the configuration file "config.text"
```

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

File "config.text" is deleted.

1.4 Restart the Device

The device will return to factory settings after restart:

S3910#reload ----->Restart the switch

Reload system?(Y/N) y

Press RETURN to get started

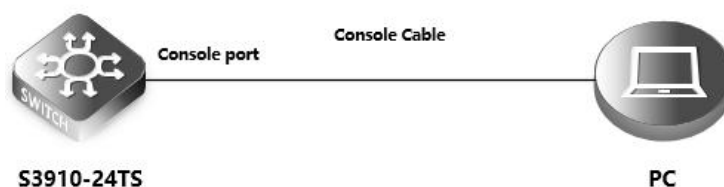
2. Password Recovery

If the administrator forgets the login password and cannot enter the configuration mode for configuration, then you need to use the configuration line to enter the CTRL layer for password recovery.

*Notes on password recovery

- When doing password recovery, please prepare the console line first.
- Password recovery is an operation that is completed when you enter the CTRL layer when you restart the device. You need to disconnect the network to proceed. Please perform password recovery when it is convenient to disconnect the network.
- Please strictly follow the operation steps, improper operation will cause configuration loss.
- The password recovery of the switch is the password recovery of saving the configuration mode.
- After entering the CLI command line interface, if you do not enter any keys within 10 minutes, you still need to enter the password after the timeout. Or the password has not been changed after input, the device will use the previous password after the next restart.

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

1) Manually power off and restart the device

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

menu

Boot 1.2.28-0c4a1bf (Feb 09 2017 - 17:14:53)

I2C: ready

DRAM: 508 MiB

NAND: (ONFI), chipsize 256 MiB

In: serial

Out: serial

Err: serial

Unlocking L2 Cache ...Done

arm_clk=1000MHz, axi_clk=400MHz, apb_clk=100MHz, arm_periph_clk=500MHz

SETMAC: Setmac operation was performed at 2020-03-10 11:45:48 (verss Ctrl+C to enter Boot Menu

Net: eth-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.

5. Set Module Serial

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

4) 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.

5. Set Module Serial

Press a key to run the command:

----->enter "Ctrl" and "Q ", in the uboot command line

bootloader#main_config_password_clear

5) The device will automatically run the main program and print the log

Press a key to run the command:

bootloader#main_config_password_clear

Creating 1 MTD partitions on "nand0":

0x000001000000-0x000002e00000 : "mtd=6"

UBI: attaching mtd1 to ubi0

UBI: physical eraseblock size: 131072 bytes (128 KiB)

UBI: logical eraseblock size: 126976 bytes

UBI: smallest flash I/O unit: 2048

UBI: VID header offset: 2048 (aligned 2048)

UBI: data offset: 4096

UBI: attached mtd1 to ubi0

UBI: MTD device name: "mtd=6"

UBI: MTD device size: 30 MiB

```

UBI: number of good PEBs:      240
UBI: number of bad PEBs:      0
UBI: max. allowed volumes:    128
UBI: wear-leveling threshold:  4096
UBI: number of internal volumes: 1
UBI: number of user volumes:   1
UBI: available PEBs:          19
UBI: total number of reserved PEBs: 221
UBI: number of PEBs reserved for bad PEB handling: 2
UBI: max/mean erase counter: 2/1
UBIFS: recovery needed
UBIFS: recovery deferred
UBIFS: mounted UBI device 0, volume 0, name "kernel"
UBIFS: mounted read-only
UBIFS: file system size:      26030080 bytes (25420 KiB, 24 MiB, 205 LEBs)
UBIFS: journal size:         3682304 bytes (3596 KiB, 3 MiB, 29 LEBs)
UBIFS: media format:         w4/r0 (latest is w4/r0)
UBIFS: default compressor: LZO
UBIFS: reserved for root:    0 bytes (0 KiB)
Unmounting UBIFS volume kernel!
  Uncompressing Kernel Image ... OK
  Loading Device Tree to 823fc000, end 823ff94e ... OK
Starting kernel ...

```

6) You can enter the configuration CLI command line interface without a password at this time.

```

S3910>enable
S3910#

```

NOTE: After entering the CLI command line interface, if there is no button, the password is required when entering again. The default timeout is 10min. Please change the password in time before timeout.

7) Change password

2.3 Functional Verification

Log in to the switch again, and log in with the new user name and password to confirm that the login is successful.



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