

Lab Section: Router and Switch**Lab Title:** Reset Password**Purpose:**

1. Understand how to reset the password of Cisco Router.
2. Understand how to reset the password of Cisco Switch.

Preparation:

1. Usually the switch and the router were given very complex passwords, and we forgot password for many reasons, but the start-config can not be deleted, in this situation, we need to reset the password and keep the start-config.
2. The method of reset password for Cisco 2600 serial and 3600 serial is the same. There is a little different between 2500 and 2600/3600.
3. For Switch, we need to get into "switch:" mode to reset the password: when you restart the switch, press "mode" key (located on the front panel of switch)

Topological**Procedure:**

Reset 2600 serial router password (same as 3600 serial)

1. Power on the router, in the mean time, press ctrl+break.
2. rommon>confreg 0x2142
-- Change the start register value to 2142, it means the router will load the factory default configuration in the next start-up.
3. rommon>reset
-- restart the router
4. router#copy startup-config running-config:
-- Now we can enter the Privileged EXEC Mode, we need to copy the old startup-config which was saved in NVRAM to the current running config, remember we don't want to lose the old configuration except the password.
5. router#config t
6. router(config)# enable password cisco.
-- After we copy the old startup-config, we also copy the old password, so we need to change it to a new password.
7. router(config)#exit
8. router#copy running-config startup-config
-- Save the current running-config which contains the new password to NVRAM
9. router#conf t
10. router(config)#config-register 0x2102
-- Restore the register value to 2102, it means router will load the configuration from

NVRAM.

11. router(config)#exit
12. router#reload
- Restart the router to check the password

Reset 2500 serial router Password:

1. Power on the router, in the meaning, press ctrl+break.
2. rommon>o/r 0x2142
- Change the start register value to 2142, it means the router will load the factory default configuration in the next start-up.
3. rommon>i
- restart the router

The rest steps are as same as the 2600 router.

Reset Catalyst 2900 serial Switch password:

1. Turn on the switch, in the mean time, press the "mode" button that located on the front panel.
2. In the "switch:" mode, backup and rename the startup configuration.
3. switch: dir flash: ;check the current files in the flash, backup them if necessary.
4. switch: rename flash:config.text flash:config_old.txt ;Rename the configuration file, switch will use factory default setting if this file missing.
5. switch: reset ;Restart the switch
6. Would you like to enter the initial configuration dialog? [yes/no]: n
7. Enter the privilege EXEC mode
8. Switch# copy config_old.txt running-config ;copy the old configuration settings to running config, then we wouldn't lose the old settings.
9. Switch# conf t
10. Switch(config)#enable password cisco ;Setup a new password
11. Switch(config)#enable secret cisco12345
12. Switch(config)#exit
13. Switch#write ;Save the new password to the start-up config
14. Switch# reload ;Restart the switch

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1. For more information, please visit my blog <http://jhuang8.blogspot.com/>.
 2. Video demo is located in <http://www.valit.ca/lab/>.