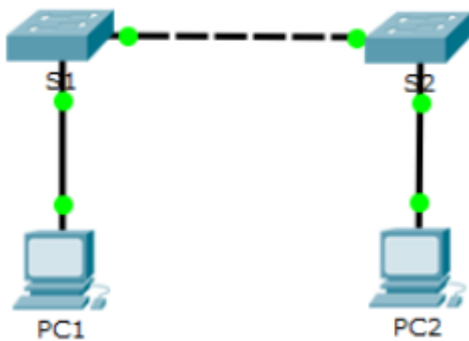


Packet Tracer - Configuring Initial Switch Settings

Topology



Part 1

Step 1

1. Click S1 and then the CLI tab. Press Enter.
2. Enter privileged EXEC mode by entering the enable command.

```
Switch> enable  
Switch#
```

Step 2

1. Enter the show running-config command

```
Switch# show running-config
```

2. Answer:

- i. How many FastEthernet Interfaces does the switch have? **24 interfaces**
- ii. How many Gigabit Ethernet interfaces does the switch have? **2 interfaces**
- iii. What is the range of values shown for the vty lines? **0-15**
- iv. Which command will display the current contents of non-volatile random-access memory (NVRAM)? **Show startup-configuration**
- v. Why does the switch respond with *startup-config is not present*?
Because the configuration file is not saved in NVRAM

Part 2

Step 1

```
Switch# configure terminal
Switch(config)# hostname S1
S1(config)# exit
S1#
```

Step 2

To secure access to the console line, access config-line mode and set the console password to letmein.

```
S1# configure terminal
S1(config)# line console 0
S1(config-line)# password letmein
S1(config-line)# login
S1(config-line)# end
```

Why is the login command required? **It is needed for the password control to work**

Step 3

Verify the password

```
S1# exit
Password:
S1>
```

Step 4

Set the enable password to c1\$c0. This password protects access to privileged mode.

```
S1> enable
S1# configure terminal
S1(config)# enable password c1$c0
S1(config)# exit
```

Step 5

Verify password 1... steps...5 **JUST USE:**

```
S1# show running-config
```

Step 6

The enable password should be replaced with the newer encrypted secret password using the enable secret command. Set the enable secret password to *itsasecret*.

```
S1# config t
S1(config)# enable secret itsasecret
S1(config)# exit
```

Step 7

1. What is displayed for the enable secret password? **<encrypted password>**
2. Why is the enable secret password displayed differently from what we configured? **The enable secret password is encrypted. That's why it's displayed differently.**

Step 8

Encrypt the enable and console passwords

```
S1# config t
S1(config)# service password-encryption
S1(config)# exit
```

If you configure any more passwords on the switch, will they be displayed in the configuration file as plain text or encrypted form? **It will encrypt ALL the current and future passwords**

Part 3

Step 1

Configure a message of the day

```
S1# config t
S1(config)# banner motd "Hello"
S1(config)# exit
```

1. When will this banner be displayed? **Everytime a user access the switch via a cli.**
2. Why should every switch have a MOTD banner? **To advert users that no authorized access its prohibited**

Part 4

Step 2

Save the configuration file

```
S1# copy running-config startup-config
```

Step 3

Which command will display the contents of NVRAM? **Show startup-configuration**

Are all the changes that were entered recorded in the file? **Yes, its the same**

Part 5

Configure Switch 2 ... **Packet tracer**