**[2.5.5 - Packet Tracer - Configure Initial Switch Settings](https://contenthub.netacad.com/itn" \l "2.5.5" \t "_blank)**

## Part 1: Verify the Default Switch Configuration

### Step 2: Examine the current switch configuration.

1)How many Fast Ethernet interfaces does the switch have?

2)How many Gigabit Ethernet interfaces does the switch have?

3)What is the range of values shown for the vty lines?

4)Which command will display the current contents of non-volatile random-access memory (NVRAM)?

5)Why does the switch respond with “startup-config is not present?”

Answers:

1. 24
2. 2
3. line vty 0 4

line vty 5 15

1. show startup-config
2. The switch responds with “startup-config is not present” because the start up configuration hasn’t been saved yet. Why is the login command required? The login command is required because it makes it so the user will be prompted with a login request. without it, the user won’t be able to access the router.

## Part 2: Create a Basic Switch Configuration

### Step 2: Secure access to the console line.

Why is the **login** command required?

Answer: Login command is used in VTY for password that is specified to be checked at login. If you do not use login command you will not able to use the specified password for the vty to login.

### Step 7: Verify that the enable secret password is added to the configuration file.

1)What is displayed for the enable secret password?

2)Why is the enable secret password displayed differently from what we configured?

Answers:

1) enable secret 5 $1$mERr$ILwq/b7kc.7X/ejA4Aosn0

enable password c1$c0

2) **The enable secret is shown in encrypted form, whereas the enable password is in plain text.**

### Step 8: Encrypt the enable and console passwords.

If you configure any more passwords on the switch, will they be displayed in the configuration file as plain text or in encrypted form? Explain.

Answer: **The service password-encryption command encrypts all current and future passwords.**

## Part 3: Configure a MOTD Banner

### Step 1: Configure a message of the day (MOTD) banner.

When will this banner be displayed?

Answer: **The message will be displayed when someone accesses the switch through the console port.**

Why should every switch have a MOTD banner?

Answer: **Every switch should have a banner to warn unauthorized users that access is prohibited. Banners can also be used for sending messages to network personnel/technicians (such as impending system shutdowns or who to contact for access).**

## Part 4: Save and Verify Configuration Files to NVRAM

### Step 1: Verify that the configuration is accurate using the show run command.

1)What is the shortest, abbreviated version of the **copy running-config startup-config** command?

2)Examine the startup configuration file.

3)Which command will display the contents of NVRAM?

4)\_Are all the changes that were entered recorded in the file?

Answers:

1. **cop r s**
2. show startup-config
3. **Yes, it is the same as the running configuration.**