CSIS 330 – Lab 8: Packet Tracer

Configuring Initial Switch Settings Answer Template

**Part 1:**     **Verify the Default Switch Configuration**

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

b.    Answer the following questions:

(1) How many FastEthernet interfaces does the switch have?

24

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

2

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

0 4

5 15

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

show startup-config

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

A config has not been saved

**Part 2:**     **Create a Basic Switch Configuration**

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

Why is the **login** command required?

To specify that the password entered is checked at login. If the **login** command is not used, the specified password cannot be used.

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

b.    What is displayed for the **enable secret** password?

5 $1$mERr$ILwq/b7kc.7X/ejA4Aosn0

c.     Why is the **enable secret** password displayed differently from what we configured?

The original password has been automatically encrypted

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

1. If you configure any more passwords on the switch, will they be displayed in the configuration file as plain text or in encrypted form?
   1. Any more passwords will be in plain text form
2. Explain why?
   1. The new passwords are not yet encrypted. The **service password-encryption** command will need to be re-run in order to encrypt the new passwords

**Part 3:**     **Configure a MOTD Banner**

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

1. When will this banner be displayed?

When the user first accesses the router.

1. Why should every switch have a MOTD banner?

To update users and warn against un-authorized access

**Step 2:**     **Save the configuration file.**

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

**copy run start**

**Step 3:**     **Examine the startup configuration file.**

1. Which command will display the contents of NVRAM?

**show startup-config**

1. Are all the changes that were entered recorded in the file?

yes