

# Packet Tracer Lab Report

## 2.5.5 Configure Initial Switch Settings

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### Questions and Answers

- Q1.** How many Fast Ethernet interfaces does the switch have?  
**Answer:** 24
- Q2.** How many Gigabit Ethernet interfaces does the switch have?  
**Answer:** 2
- Q3.** What is the range of values shown for the vty lines?  
**Answer:** 0–15
- Q4.** Which command will display the current contents of non-volatile random-access memory (NVRAM)?  
**Answer:** `show startup-config`
- Q5.** Why does the switch respond with “startup-config is not present?”  
**Answer:** Because the configuration has not been saved to NVRAM yet. It exists only in RAM.
- Q6.** Why is the login command required?  
**Answer:** Without both `login` and `password`, password checking will not work.
- Q7.** What is displayed for the enable secret password?  
**Answer:** An encrypted string (e.g., `$1$mERr$ILwq/b7kc.7X/ejA4Aosn`)
- Q8.** Why is the enable secret password displayed differently from what we configured?  
**Answer:** Because it is stored in encrypted form using MD5.
- Q9.** 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:** They will be displayed in encrypted form due to the `service password-encryption` command.
- Q10.** When will this banner be displayed?  
**Answer:** When someone accesses the switch before logging in, via console or remote

access.

**Q11.** Why should every switch have a MOTD banner?

**Answer:** To warn unauthorized users and serve as a legal notification.

**Q12.** What is the shortest, abbreviated version of the `copy running-config startup-config` command?

**Answer:** `cop r s`

**Q13.** Which command will display the contents of NVRAM?

**Answer:** `show startup-config`

**Q14.** Are all the changes that were entered recorded in the file?

**Answer:** Yes