LAB # 6

REMOTE ACCESSING OF SWITCH USING TELNET

# OBJECTIVE

To configure Telnet for remote access of switch

# Theory

Telnet is a TCP/IP protocol, triggered by user command that allows you to access a remote computer. While obtaining files from a remote computer via FTP is common, Telnet actually goes one step further and allows you to log on as a regular user of the computer, with access to all data and programs that may be installed on that computer. Telnet is usually used for technical support purposes.

Telnet uses software, installed on your computer, to create a connection with the remote host. The Telnet client (software), at your command, will send a request to the Telnet server (remote host). The server will reply asking for a user name and password. If accepted, the Telnet client will establish a connection to the host, thus making your computer a virtual terminal and allowing you complete access to the host's computer.

Telnet requires the use of a user name and password, which means you need to have previously set up an account on the remote computer. In some cases, however, computers with Telnet will allow guests to log on with restricted access.

* **Type these commands for configuration**

The *line Vty 0-15* command selects the whole 0-15 VTY line range.

Switch(config)#**line vty 0 15**

Switch(config-line)#**password cisco**

Switch(config-line)#**login**

Switch(config-line)#**enable secret $suet**

* **Apply commands these command by following above**

Switch(config)#**interface vlan 1**

Switch(config-if)#**ip address 10.0.0.1 255.0.0.0**

Switch(config-if)#**no shutdown**

Switch(config-if)#**exit**

* **Telnet Cisco device, go to command prompt of computer and type**

C:\>telnet 10.0.0.1

Connecting To 10.0.0.1

User Access Verification

Password:

Switch>

**EXERCISE QUESTIONS**

1. You need to set up a password that will prevent unauthorized users from accessing into your router remotely using Telnet. What series of commands would you use?
2. Name the encryption techniques use for key encryption.
3. What are the ports numbers for Telnet?