**SSH Configuration**

Switch>en

Switch#conf t

Enter configuration commands, one per line. End with CNTL/Z.

Switch(config)#int vlan1

Switch(config-if)#ip add 192.168.10.1 255.255.255.0

Switch(config-if)#no shut

Switch(config-if)#

1.Configure **hostname**

Switch(config)#hostname sw1

2. Configure IP **domain name**

sw1(config)#ip domain name sca

3. Now generate **encryption keys** for securing the session.

sw1(config)#crypto key generate rsa

The name for the keys will be: sw1.sca

Choose the size of the key modulus in the range of 360 to 2048 for your

General Purpose Keys. Choosing a key modulus greater than 512 may take

a few minutes.

How many bits in the modulus [512]: 256

% A decimal number between 360 and 2048

How many bits in the modulus [512]: 1024

% Generating 1024 bit RSA keys, keys will be non-exportable...[OK]

4.Set an **enable password.**

sw1(config)#enable password 123

\*Mar 1 0:19:44.947: %SSH-5-ENABLED: SSH 1.99 has been enabled

5. Set **username** and **password** for local login.

sw1(config)#username sca password 456

6. Specify the **SSH version** to use.

sw1(config)#ip ssh version 2

7. Now connect to the **VTY** lines of the switch and configure SSH on the lines.

sw1(config)#line vty ?

<0-15> First Line number

sw1(config)#line vty 0 15

sw1(config-line)#transport input ssh

sw1(config-line)#login local

sw1(config-line)#

8. On the command prompt of the **PC**, open a SSH session to the switch using the command

**ssh -l sca 192.168.10.1**