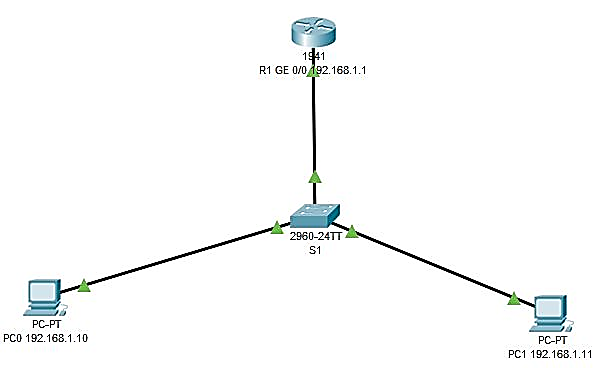
**Scenario 7: A network having two PC’s, a switch and a router. We will enable SSH protocol on router and switch such that PC can access them remotely.**



* Assign the IP’s to device as shown in the figure above
* **Configuring Router:**

en

conf t

hostname r1

enable secret class

line console 0

password msois

login

exit

interface gigabitEthernet 0/0

ip address 192.168.1.1 255.255.255.0

no shutdown

show running-config

* **Configuring Switch:**

en

conf t

hostname s1

enable secret class

line console 0

password msois

login

exit

interface vlan 1

ip address 192.168.1.2 255.255.255.0

no shutdown

exit

ip default-gateway 192.168.1.1

exit

show running-config

* **Configuring PC 0:**

ip address: 192.168.1.10

gateway: 192.168.1.1

* **Configuring PC 1:**

ip address: 192.168.1.11

gateway: 192.168.1.1

* **Configuring SSH on Switch for key Generation:**

Go to cli

Password: msois

en

PW: class

conf t

ip domain-name msois.com

crypto key generate rsa

Size: 1024

* **Configuring SSH on Router for key Generation:**

Go to cli

Password: sois@123

En

PW: class

Conf t

ip domain-name msois.com

crypto key generate rsa

Size: 1024

* **Configuring SSH on Switch for adding User and only giving ssh to access:**

User

username admin secret msois

line vty 0 15

login local

transport input ssh

* **Configuring SSH on router for adding User and only giving ssh to access:**

user

username admin secret msois

line vty 0 15

login local

transport input ssh

###copy running-config stratup-config

* **On PC1 Command prompt:**

telnet 192.168.1.1 (you will get connect closed by foreign host)

* **Getting access to router from command line:**

ssh -l admin 192.168.1.1

password: msois

After this you will be SSHed to router (prompt change)

r1>

r1> en

password class

r1# show running-config

* **Getting access to switch from command line:**

ssh -l admin 192.168.1.2

password: msois

* After this you will be SSHed to router (prompt change)

s1>

s1> en

password class

s1# show running-config

