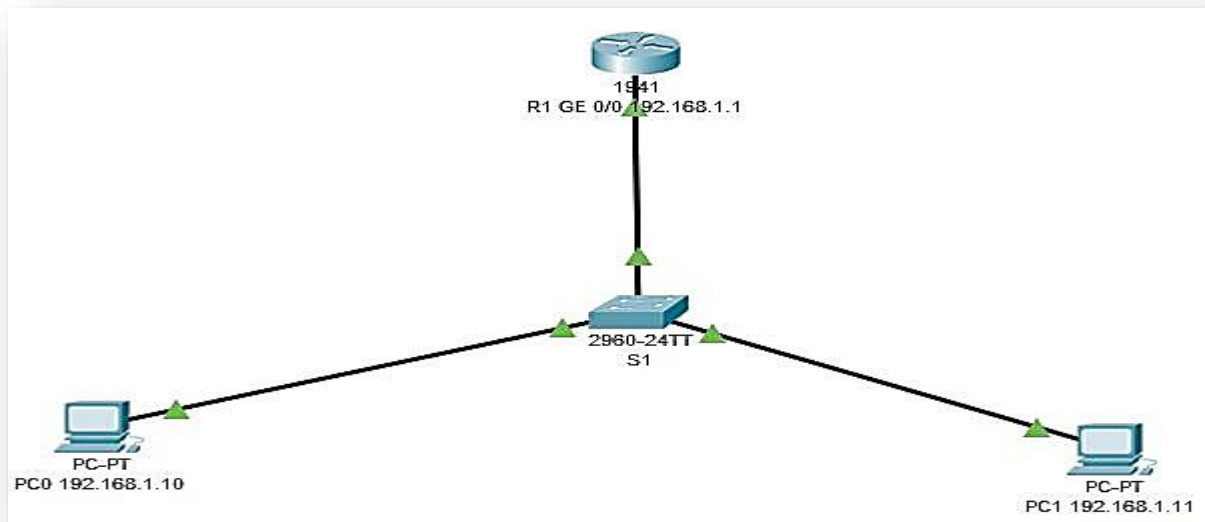


Scenario 7: A network having two PC's, a switch and a router. We will enable SSH protocol on router and switch such that PC can access them remotely.



- 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)

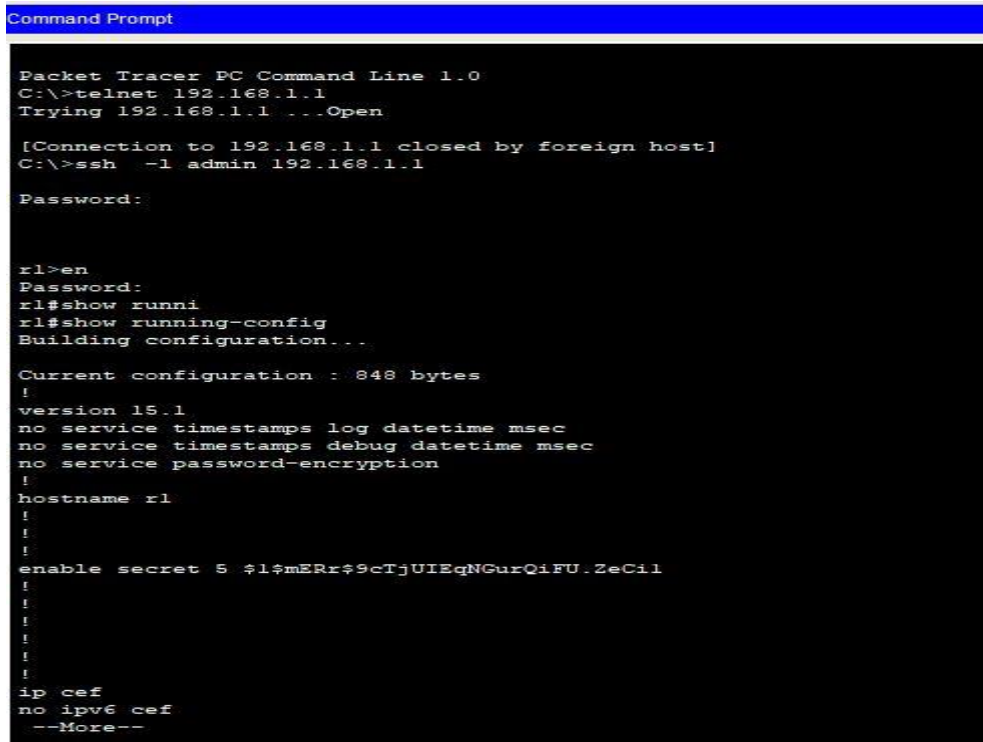
```
r1>
r1> en
password class
r1# show running-config
```

- **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
```



```
Command Prompt

Packet Tracer PC Command Line 1.0
C:\>telnet 192.168.1.1
Trying 192.168.1.1 ...Open

[Connection to 192.168.1.1 closed by foreign host]
C:\>ssh -l admin 192.168.1.1

Password:

r1>en
Password:
r1#show runni
r1#show running-config
Building configuration...

Current configuration : 848 bytes
!
version 15.1
no service timestamps log datetime msec
no service timestamps debug datetime msec
no service password-encryption
!
hostname r1
!
!
!
enable secret 5 $1$mERr$9cTjUIEqNGurQiFU.ZeCil
!
!
!
!
ip cef
no ipv6 cef
--More--
```