Evaluation Sheet

Class: TE-Computer Engineering   Sem: V

Subject: **Computer Networks**

Experiment No: 9

Title of Experiment: Study of Remote Login using SSH

Name of Student : Harvande Sanket Chandrashekhar Roll No: 19

| Sr. No.	Evaluation Criteria	Max Marks	Marks Obtained
1	Practical Performance	8	
2	Oral	5	
3	Timely Submission	2	
	Total	15	

Signature of Subject Teacher
(Mr. S. S. Tathare)

Aim: To study the implementation of SSH remote login using CISCO packet tracer.

Apparatus: Packet Tracer software **Procedure**:
1. Configure a network using at-least three switches, three routers and 6 PCs.
2. Configure IP addresses of all PCs and the router interfaces using proper rules of classless addressing.
3. Ensure that all the connections turn green which indicate the connections as UP.
4. Check for the connectivity using ICMP ping command, the connectivity fails.
5. Configure dynamic routing on both the routers using distance vector routing protocol, RIP.
6. Check for the connectivity using ICMP ping command, the connectivity succeeds.
7. Configure SSH on one router using the commands of SSH configuration ensuring one access to the router in remote logging method.
8. Using one of the PC on remote network, take the remote login to the router using ssh command and make the changes on the router.
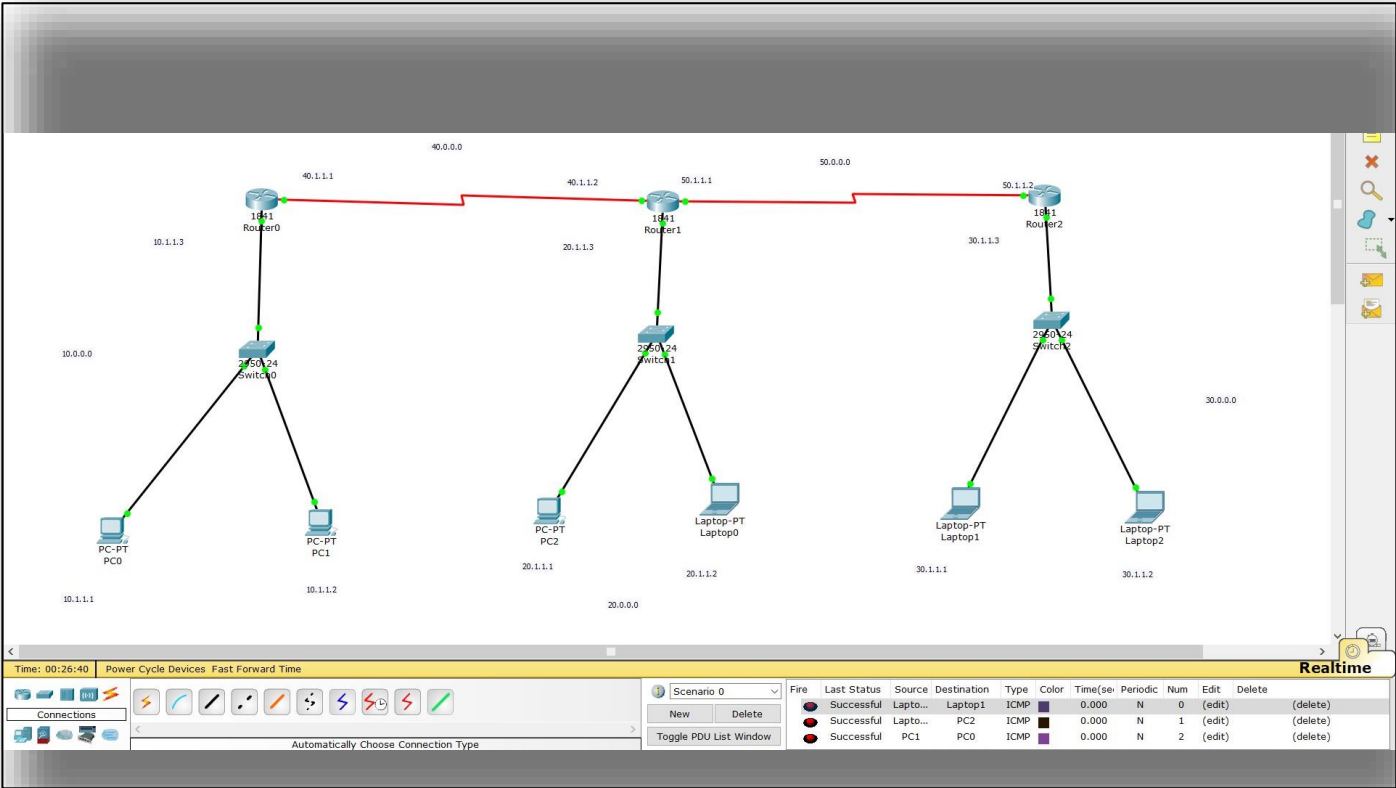
Screenshots:

IOS Command Line Interface

```
for your
  General Purpose Keys. Choosing a key modulus greater than 512
may take
  a few minutes.

How many bits in the modulus [512]: 768
% Generating 768 bit RSA keys, keys will be non-exportable...[OK]

ssh(config)#ip ssh ver 2
*Mar 1 0:21:12.778: %SSH-5-ENABLED: SSH 1.99 has been enabled
ssh(config)#username cisco privilege 15 password cisco
ssh(config)#do wr
Building configuration...
[OK]
ssh(config)#
ssh(config)#
ssh(config)#
ssh(config)#
ssh(config)#
ssh(config)#
ssh(config)#
ssh(config)#
ssh(config)#
ssh(config)#
ssh(config)#
```

Ctrl+F6 to exit CLI focus   Copy   Paste

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Command Prompt

```
Packet Tracer PC Command Line 1.0
PC>ssh -l cisco 50.1.1.2
Open
Password:


ssh#
ssh#
ssh#config t
Enter configuration commands, one per line.  End with CNTL/Z.
ssh(config)#
ssh(config)#
ssh(config)#hostname ssh1
ssh1(config)#
ssh(config)#
ssh(config)#
ssh(config)#
ssh(config)#
ssh(config)#
```

Ⅰ

Conclusion: Thus, the study of the implementation of SSH remote login using CISCO packet tracer is done.