

Assignment-4

Step 1 : Install Cisco Packet Tracer software in Ubuntu.

Login and Download Cisco Packet Tracer File from below link.

<https://www.netacad.com/portal/resources/packet-tracer>

A. Open a terminal and navigate to the location where you saved the Packet Tracer installation file.

B. Enter the following command to install Packet Tracer and provide the user password when prompted.

```
User@Ubuntu:~/Downloads$ sudo apt-get install
```

```
./CiscoPacketTracer_xxx_Ubuntu_64bit.deb
```

where xxx is the Packet Tracer version.

C. The Setup dialog opens to the License Agreement. Read through the agreement. Use the tab key to highlight <OK> and press Enter to continue.

Note: The mouse does not work while installing Packet Tracer using CLI.

d. Use the tab key to select <Yes> and press Enter to accept the License Agreement

Step 2 : Enroll and Learn basic From given link .

https://skillsforall.com/course/getting-started-cisco-packet-tracer?utm_source=netacad.com&utm_medium=referral&utm_campaign=packet-tracer&courseLang=en-US&userlogin=0

Task 1 : Create a Simple Network Topology

- Open Cisco Packet Tracer and create a new blank workspace.
- Place three routers, three switches, and six PCs on the workspace.
- Connect the devices to form a simple network topology.

Task 2: Basic Device Configuration

- Access the command-line interface (CLI) of each router and configure a unique hostname.
- Assign IP addresses to the router interfaces.
- Assign IP addresses to the PCs.

Task 3: Test Connectivity

- Use the 'ping' command on PCs to test connectivity between devices.
- Troubleshoot and resolve any connectivity issues..

Task 4: Documentation and Summary

- Document the network topology, device configurations, and IP addressing scheme.
- Write a brief summary of the tasks performed, challenges faced, and solutions implemented.