

IT CN 303 - LAB

SUBMITTED BY ADITYA SINGH 2K19/EP/005

Experiment : Build a Client-Server Model using Cisco Packet Tracer.

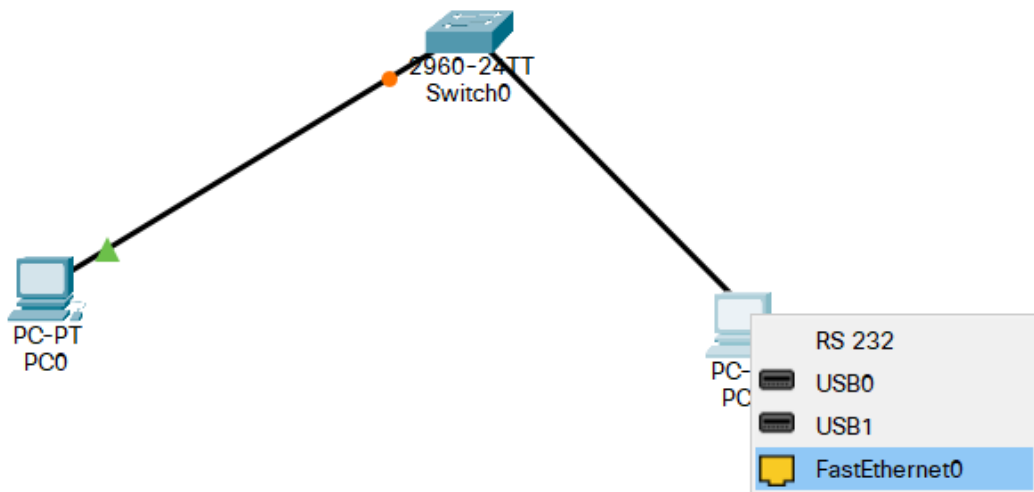
Switch

They connect devices in a network and use packet switching to send, receive or forward data packets or data frames over the network.

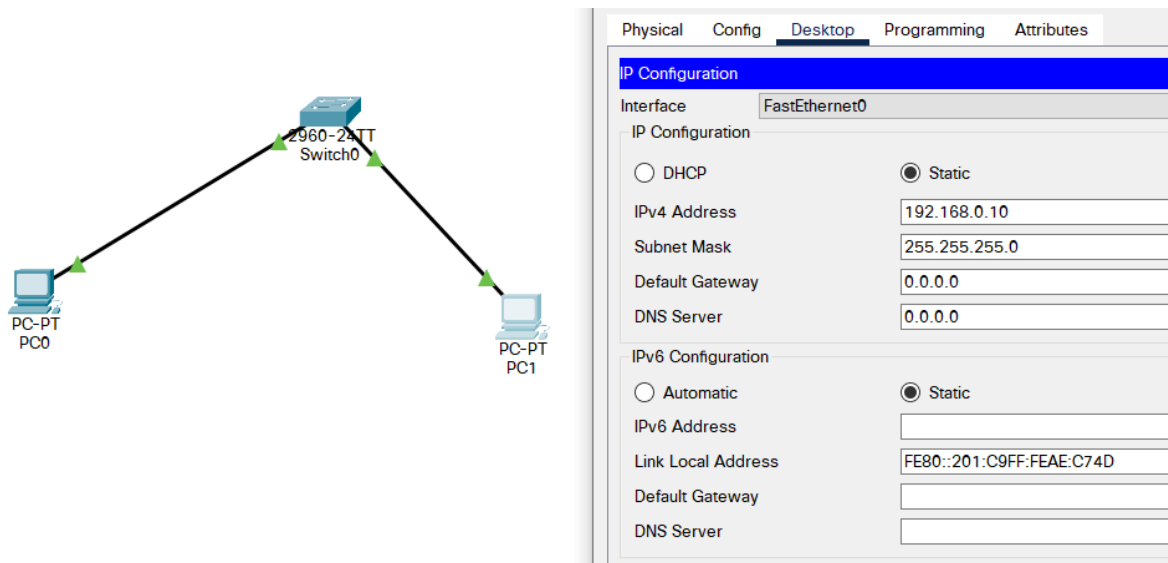
It is an intelligent network device that can be conceived as a multiport network bridge.

Steps for Cisco Packet Tracer :

1. Connect PCs with Switch with FastEthernet port using copper straight-through cable.



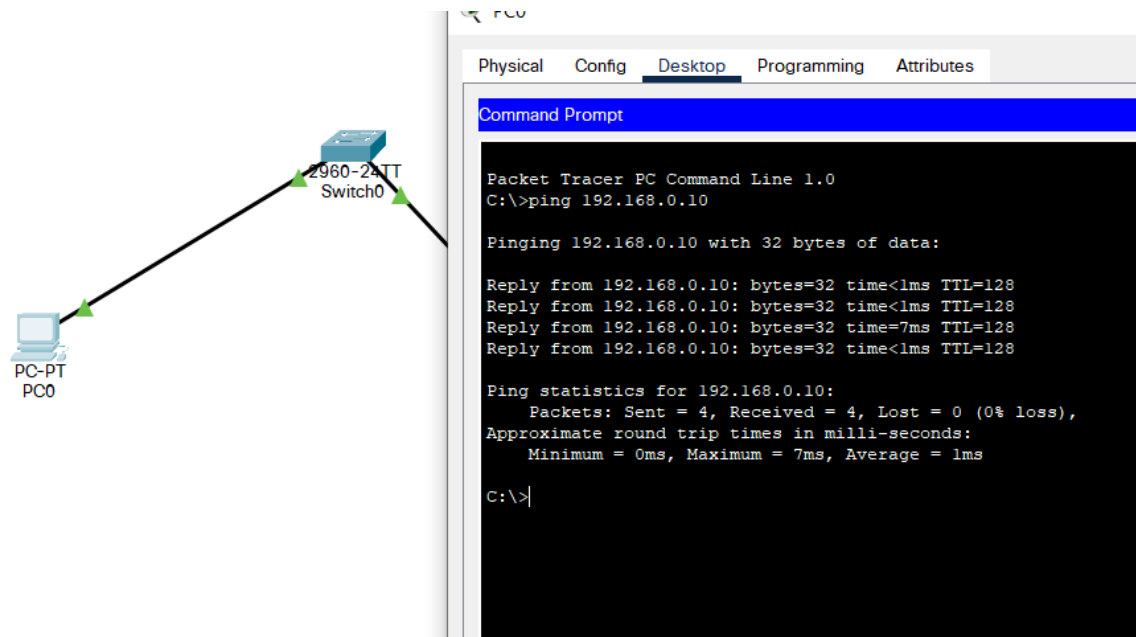
2. Assign IP address to the connected pc devices.



The network diagram shows a central 2960-24TT Switch0 connected to two PC-PT devices, PC0 and PC1. To the right, the 'IP Configuration' window for PC0 is displayed, showing the following settings:

IP Configuration	
Interface	FastEthernet0
IP Configuration	
<input type="radio"/> DHCP	<input checked="" type="radio"/> Static
IPv4 Address	192.168.0.10
Subnet Mask	255.255.255.0
Default Gateway	0.0.0.0
DNS Server	0.0.0.0
IPv6 Configuration	
<input type="radio"/> Automatic	<input checked="" type="radio"/> Static
IPv6 Address	
Link Local Address	FE80::201:C9FF:FEAE:C74D
Default Gateway	
DNS Server	

3. To verify the connection, try to ping PC1 from PC0.



The network diagram is identical to the previous one. To the right, the 'Command Prompt' window for PC0 is displayed, showing the following output:

```
Packet Tracer PC Command Line 1.0
C:\>ping 192.168.0.10

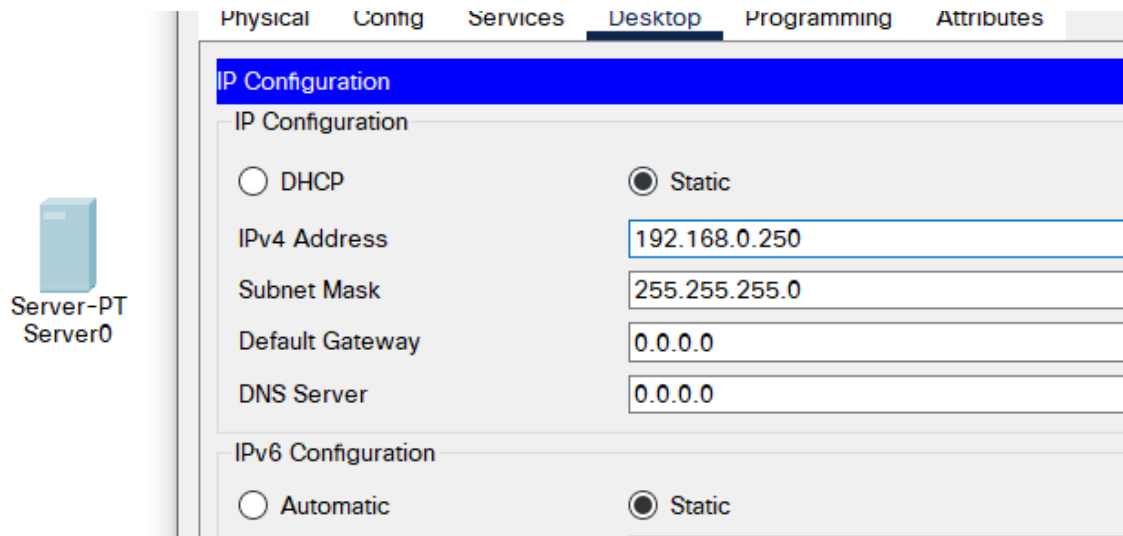
Pinging 192.168.0.10 with 32 bytes of data:

Reply from 192.168.0.10: bytes=32 time<1ms TTL=128
Reply from 192.168.0.10: bytes=32 time<1ms TTL=128
Reply from 192.168.0.10: bytes=32 time=7ms TTL=128
Reply from 192.168.0.10: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.0.10:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 7ms, Average = 1ms

C:\>|
```

4. Add a server and assign an IP address.



Physical Config Services **Desktop** Programming Attributes

IP Configuration

IP Configuration

☐ DHCP ☒ Static

IPv4 Address 192.168.0.250

Subnet Mask 255.255.255.0

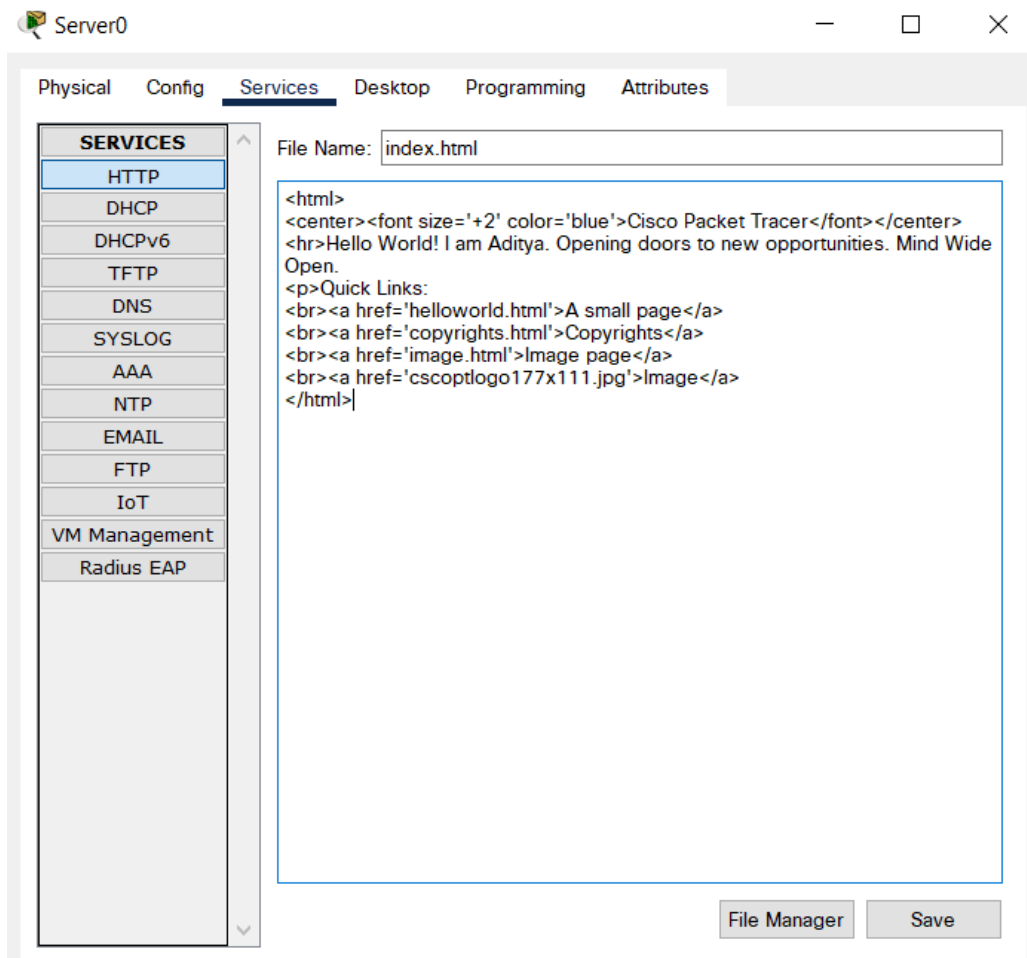
Default Gateway 0.0.0.0

DNS Server 0.0.0.0

IPv6 Configuration

☐ Automatic ☒ Static

5. Edit index.html under HTTP service tab and click save.



Server0

Physical Config **Services** Desktop Programming Attributes

SERVICES

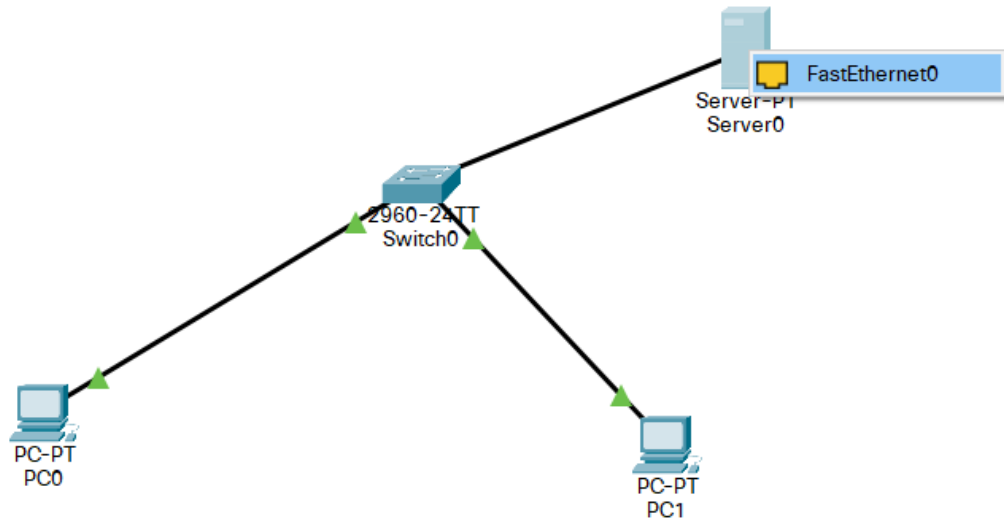
- HTTP
- DHCP
- DHCPv6
- TFTP
- DNS
- SYSLOG
- AAA
- NTP
- EMAIL
- FTP
- IoT
- VM Management
- Radius EAP

File Name: index.html

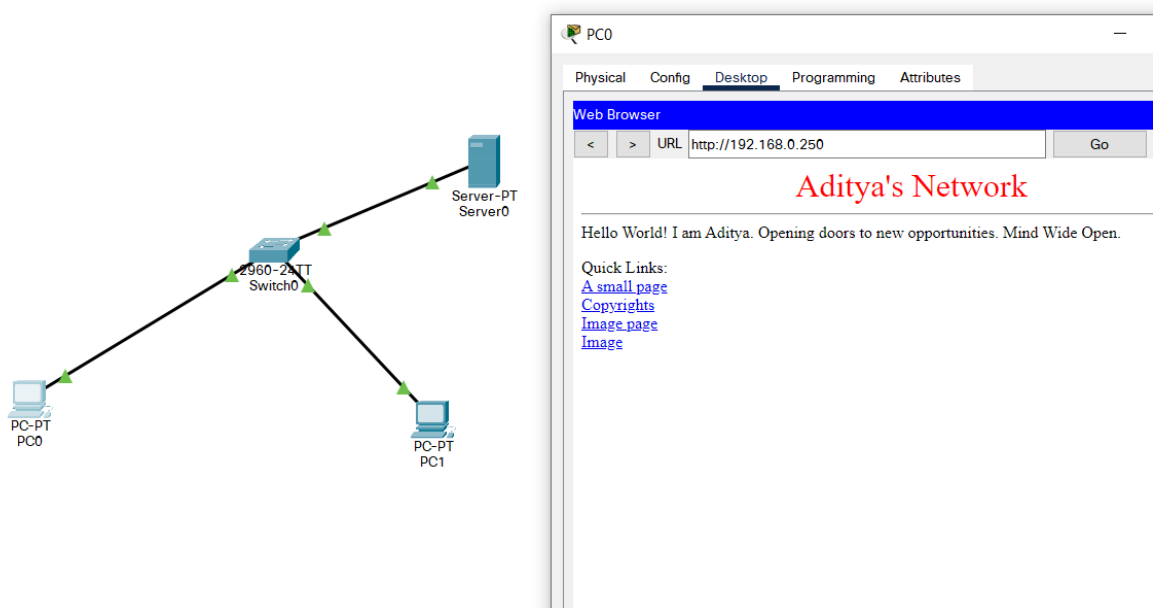
```
<html>
<center><font size='+2' color='blue'>Cisco Packet Tracer</font></center>
<hr>Hello World! I am Aditya. Opening doors to new opportunities. Mind Wide Open.
<p>Quick Links:
<br><a href='helloworld.html'>A small page</a>
<br><a href='copyrights.html'>Copyrights</a>
<br><a href='image.html'>Image page</a>
<br><a href='cscoptlogo177x111.jpg'>Image</a>
</html>
```

File Manager Save

6. Connect Server with Switch using GigaEthernet Port.



7. Open the web browser on PC and type switch IP address.



END