

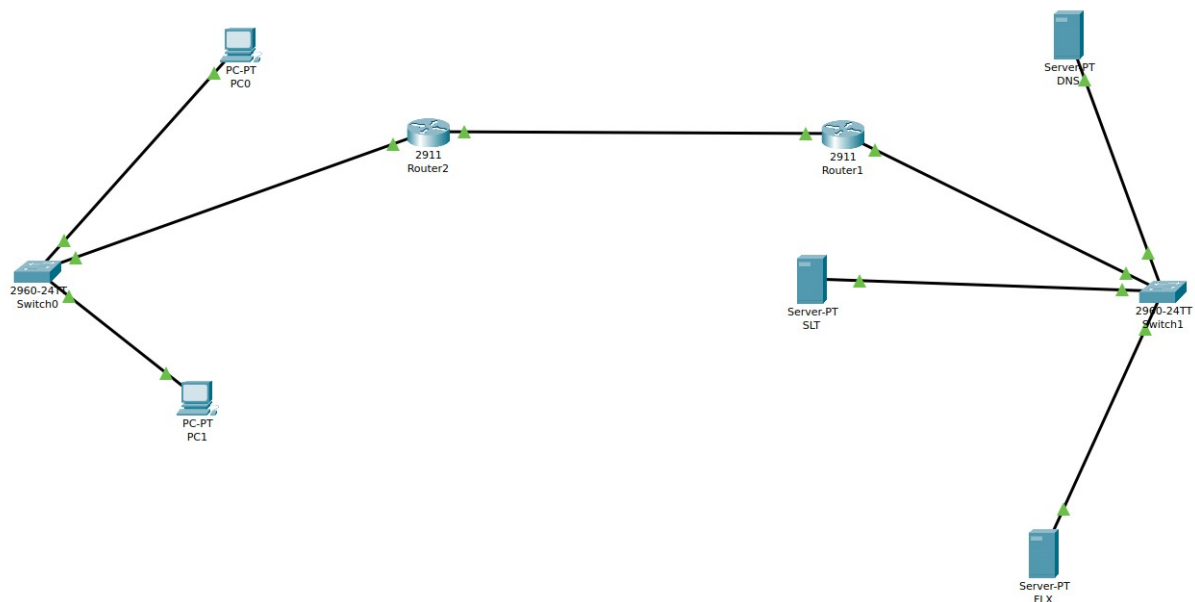
Mahad Ashraf

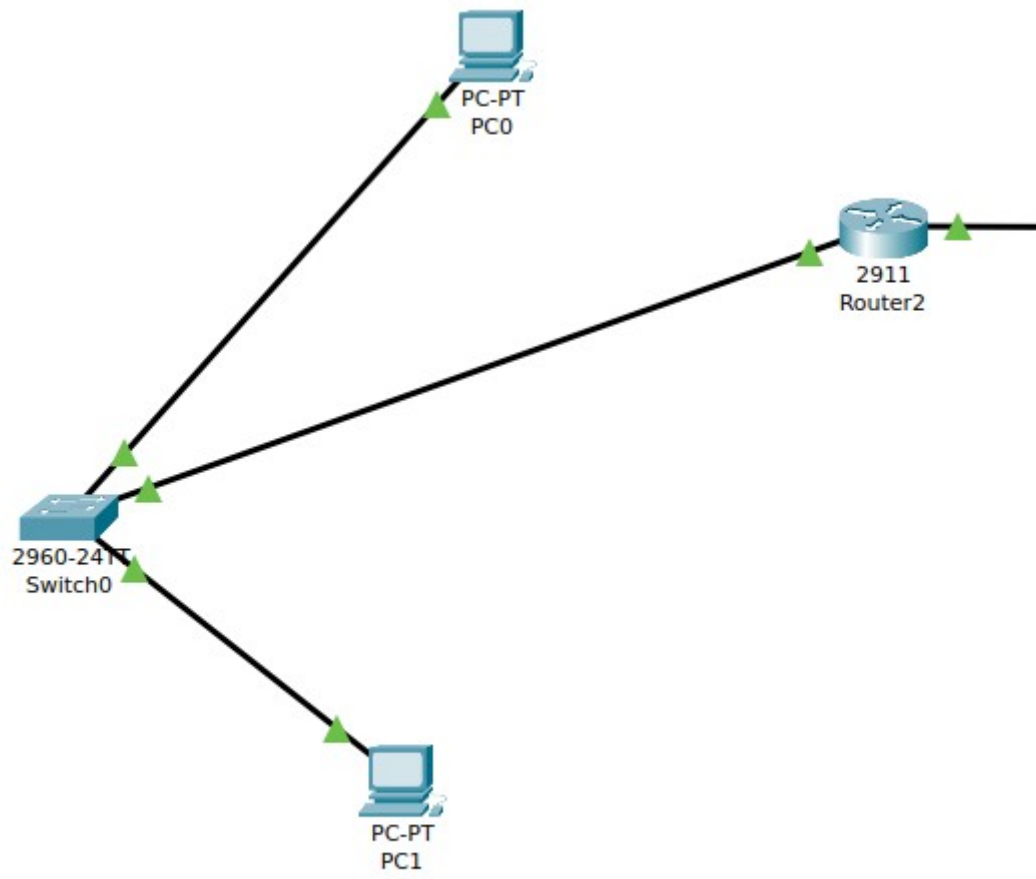
20p-0563

Lab-13-Task

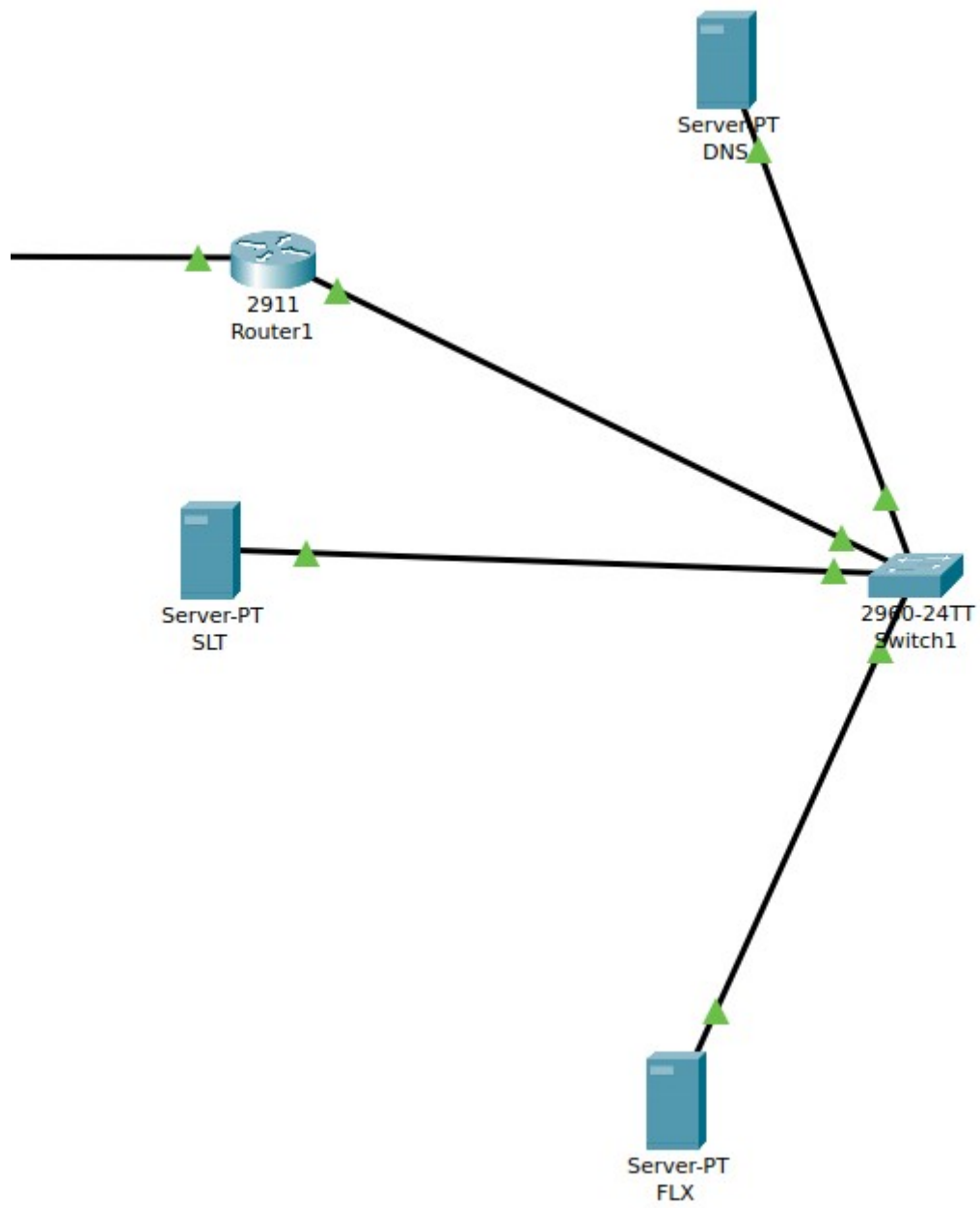
BCS-5B

Topology :





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Router-2- Configuration:

Physical **Config** CLI Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

SWITCHING

VLAN Database

INTERFACE

GigabitEthernet0/0

GigabitEthernet0/1

GigabitEthernet0/2

GigabitEthernet0/1

Port Status ☒ On

Bandwidth ☒ 1000 Mbps ☐ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address 0050.0F6B.6602

IP Configuration

IPv4 Address 100.0.0.1

Subnet Mask 255.0.0.0

Tx Ring Limit 10

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Physical **Config** CLI Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

SWITCHING

VLAN Database

INTERFACE

GigabitEthernet0/0

GigabitEthernet0/1

GigabitEthernet0/2

GigabitEthernet0/0

Port Status ☒ On

Bandwidth ☐ 1000 Mbps ☒ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address 0050.0F6B.6601

IP Configuration

IPv4 Address 10.0.0.1

Subnet Mask 255.0.0.0

Tx Ring Limit 10

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Router-1- Configuration:

Physical **Config** CLI Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

SWITCHING

VLAN Database

INTERFACE

GigabitEthernet0/0

GigabitEthernet0/1

GigabitEthernet0/2

GigabitEthernet0/0

Port Status ☒ On

Bandwidth ☒ 1000 Mbps ☐ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address 0007.EC65.3B01

IP Configuration

IPv4 Address 100.0.0.2

Subnet Mask 255.0.0.0

Tx Ring Limit 10

Equivalent IOS Commands

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Physical **Config** CLI Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

SWITCHING

VLAN Database

INTERFACE

GigabitEthernet0/0

GigabitEthernet0/1

GigabitEthernet0/2

Port Status ☒ On

Bandwidth ☐ 1000 Mbps ☒ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address 0007.EC65.3B03

IP Configuration

IPv4 Address 192.168.1.1

Subnet Mask 255.255.255.0

•

DNS Configuration:

PhysicalConfigServicesDesktopProgrammingAttributes

IP ConfigurationX

IP Configuration

☐ DHCP

☒ Static

IPv4 Address

192.168.1.2

Subnet Mask

255.255.255.0

Default Gateway

192.168.1.1

DNS Server

192.168.1.1

IPv6 Configuration

☐ Automatic

☒ Static

IPv6 Address

/

Link Local Address

FE80::250:FFF:FED4:B58E

Default Gateway

DNS Server

802.1X

PhysicalConfigServicesDesktopProgrammingAttributes

SERVICES

HTTP

DHCP

DHCPv6

TFTP

DNS

SYSLOG

AAA

NTP

EMAIL

FTP

IoT

VM Management

Radius EAP

DNS

DNS Service

☒ On☐ Off

Resource Records

Name

Type

A Record

Address

Add

Save

Remove

Slate-Config:

The screenshot shows the 'Desktop' tab in the Slate-Config interface. A blue title bar at the top reads 'IP Configuration' with a close button 'X' on the right. Below the title bar, the 'IP Configuration' section is active. It features two radio buttons: 'DHCP' (unselected) and 'Static' (selected). Under the 'Static' option, there are four text input fields: 'IPv4 Address' with the value '192.168.1.4', 'Subnet Mask' with '255.255.255.0', 'Default Gateway' with '192.168.1.1', and 'DNS Server' with '192.168.1.2'. Below this, the 'IPv6 Configuration' section is visible, showing 'Automatic' (unselected) and 'Static' (selected) radio buttons.

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The screenshot shows the 'Services' tab in the Slate-Config interface. On the left, a vertical list of services is shown: HTTP, DHCP, DHCPv6, TFTP, DNS, SYSLOG, AAA, NTP, EMAIL, FTP, IoT, VM Management, and Radius EAP. The 'File Name' field at the top right contains 'index.html'. The main text area displays the following HTML code:

```
<html>
<h2>Welcome</h2>
</html>
```

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Flex-Config:

Physical Config **Services** Desktop Programming Attributes

IP Configuration

IP Configuration

☐ DHCP ☒ Static

IPv4 Address: 192.168.1.3

Subnet Mask: 255.255.255.0

Default Gateway: 192.168.1.1

DNS Server: 192.168.1.2

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address: /

Physical Config **Services** Desktop Programming Attributes

SERVICES

- HTTP
- DHCP
- DHCPv6
- TFTP
- DNS
- SYSLOG
- AAA
- NTP
- EMAIL

File Name: index.html

```
<html>
<h3>WELCOME</h3>
</html>
```

Routing:

Left Side NAT:

```
#interface GigabitEthernet0/0
if)#access-list 1 permit 10.0.0.0 0.255.255.255
#ip nat pool ccna 50.0.0.1 50.0.0.2 netmask 255.0.0.0
#ip nat inside source list 1 pool ccna
```

- ```

)ip nat inside source list 1 pool ccna
)#interface GigabitEthernet0/0
-if)#ip nat inside
-if)#exit
)#interface GigabitEthernet0/1
-if)#ip nat outside
-if)#exit

```

## Right Side NAT:

- ```

)#interface GigabitEthernet0/0
-if)#ip nat outside
-if)#
-if)#
-if)#exit
)#interface GigabitEthernet0/0

```

- ```

ip nat inside source static 192.168.1.2 200.0.0.2
interface GigabitEthernet0/1

```

- ```

ip nat inside source static 192.168.1.3 200.0.0.3
interface GigabitEthernet0/1

```

- ```

interface GigabitEthernet0/1
-if)#ip nat inside source static 192.168.1.4 200.0.0.4

```

**ROUTING TESTING:**  
Simple Open The  
Browser And By The  
Result Of  
[www.flex.com](http://www.flex.com) or

[www.slate.com](http://www.slate.com) you  
will get the  
respective sites.