

Abubakkar Abdullah

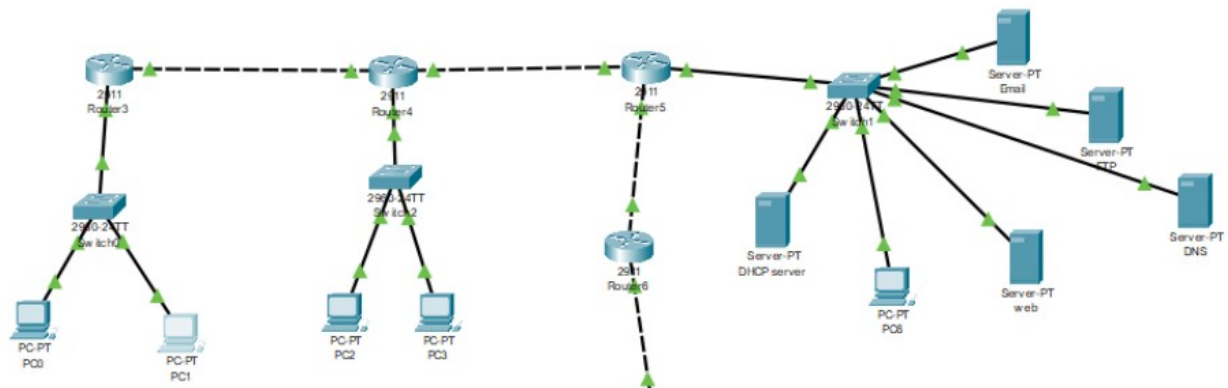
20p-0045

Lab: 14

Lab: Task

BCS: 5A





Config:

```

Router(config-if)#ip add 192.168.1.1 255.255.255.244
Bad mask 0xFFFFFFFF for address 192.168.1.1
Router(config-if)#exit
Router(config)#interface GigabitEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface GigabitEthernet0/1
Router(config-if)#ip add 192.168.2.1 255.255.255.0
Router(config-if)#exit
Router(config)#interface GigabitEthernet0/1
Router(config-if)#
Router(config-if)#exit
Router(config)#interface GigabitEthernet0/2
Router(config-if)#ip add 192.168.1.33 255.255.255.224

```

```
Router(config-if)#exit
Router(config)#interface GigabitEthernet0/1
Router(config-if)#ip add 192.168.2.2 255.255.255.0
Router(config-if)#exit
Router(config)#interface GigabitEthernet0/1
Router(config-if)#
Router(config-if)#exit
Router(config)#interface GigabitEthernet0/2
Router(config-if)#ip add 192.168.4.1 255.255.255.0
Router(config-if)#exit
Router(config)#interface GigabitEthernet0/2
```

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```
Router(config)#interface GigabitEthernet0/0
Router(config-if)#ip add 192.168.5.10 255.255.255.0
Router(config-if)#exit
Router(config)#interface GigabitEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface GigabitEthernet0/1
Router(config-if)#
Router(config-if)#exit
Router(config)#interface GigabitEthernet0/1
Router(config-if)#ip add 192.168.4.2 255.255.255.0
Router(config-if)#exit
Router(config)#interface GigabitEthernet0/1
Router(config-if)#
Router(config-if)#exit
Router(config)#interface GigabitEthernet0/2
```

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Wireless Router:

192.168.9.2
255.255.255.0
192.168.9.1
192.168.5.11

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LAN Settings:

LAN Settings	
IP Configuration	
IPv4 Address	192.168.4.1
Subnet Mask	255.255.255.0

-

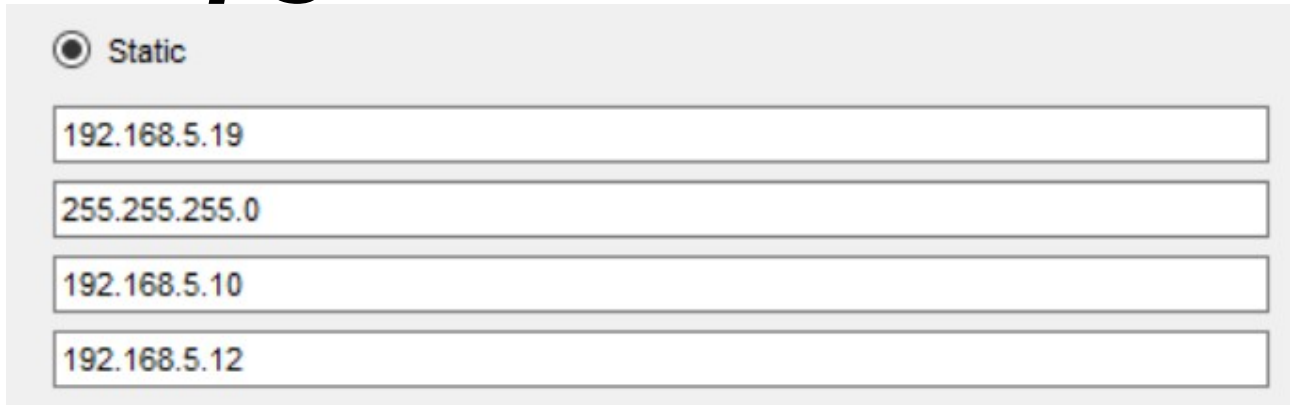
.Router-3 Configuration:

```
Router(config)#interface GigabitEthernet0/1
Router(config-if)#
Router(config-if)#exit
Router(config)#interface GigabitEthernet0/2
Router(config-if)#
Router(config-if)#exit
Router(config)#interface GigabitEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface GigabitEthernet0/0
Router(config-if)#ip add 192.168.6.10 255.255.255.0
Router(config-if)#exit
Router(config)#interface GigabitEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface GigabitEthernet0/1
Router(config-if)#ip add 192.168.7.1 255.255.255.0
Router(config-if)#exit
Router(config)#interface GigabitEthernet0/1
```

• *Server Configuration:* *Email:*

Display Name	Email
Gateway/DNS IPv4	
<input type="radio"/> DHCP	
<input checked="" type="radio"/> Static	
Default Gateway	192.168.8.10
DNS Server	192.168.5.12

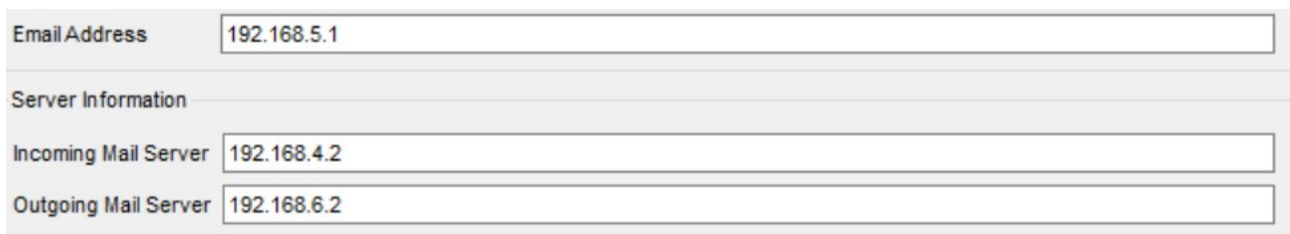
Email Server IP Configuration:



A screenshot of a network configuration interface for an email server. It features a 'Static' radio button and four input fields for IP addresses.

<input checked="" type="radio"/> Static
192.168.5.19
255.255.255.0
192.168.5.10
192.168.5.12

- # ***Outgoing And Incomming Mail Server:***



A screenshot of a mail server configuration interface. It includes an 'Email Address' field and a 'Server Information' section with 'Incoming Mail Server' and 'Outgoing Mail Server' fields.

Email Address	192.168.5.1
Server Information	
Incoming Mail Server	192.168.4.2
Outgoing Mail Server	192.168.6.2

- # ***FTP Server Configuration:***

Default Gateway 192.168.7.10

DNS Server 192.168.5.12

FastEthernet0

Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address 00E0.F70C.0116

IP Configuration

☐ DHCP

☒ Static

IPv4 Address 192.168.5.15

Subnet Mask 255.255.255.0

IPv6 Configuration

☐ Automatic

☒ Static

IPv6 Address

Link Local Address: FE80::2E0:F7FF:FE0C:116

FTP IP Configuration:

IP Configuration

IP Configuration

☐ DHCP ☒ Static

IPv4 Address 192.168.5.15

Subnet Mask 255.255.255.0

Default Gateway 192.168.5.10

DNS Server 192.168.5.12

DNS	Username <input type="text" value="cisco"/>	Password <input type="text" value="cisco"/>								
SYSLOG	<input checked="" type="checkbox"/> Write	<input checked="" type="checkbox"/> Read								
AAA	<input checked="" type="checkbox"/> Delete	<input checked="" type="checkbox"/> Rename								
NTP		<input checked="" type="checkbox"/> List								
EMAIL	<table border="1"> <thead> <tr> <th></th> <th>Username</th> <th>Password</th> <th>Permission</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>cisco</td> <td>cisco</td> <td>RWDNL</td> </tr> </tbody> </table>			Username	Password	Permission	1	cisco	cisco	RWDNL
	Username	Password	Permission							
1	cisco	cisco	RWDNL							
FTP										
IoT										
VM Management										

- # ***DNS Server Configuration:***

Display Name	<input type="text" value="DNS"/>
Gateway/DNS IPv4	
<input type="radio"/>	DHCP
<input checked="" type="radio"/>	Static
Default Gateway	<input type="text" value="192.168.5.10"/>
DNS Server	<input type="text" value="192.168.5.12"/>

- # ***IP Configuration:***

Display Name

Gateway/DNS IPv4

☐ DHCP

☒ Static

Default Gateway

DNS Server

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DNS

DNS Service

☒ On

☐ Off

Resource Records

Name

Type

A Record

Address

Add

Save

Remove

No.	Name	Type	Detail
0	gmail.com	A Record	192.168.5.19

•

DNS

DNS Service ☒ On ☐ Off

Resource Records

Name Type A Record ▾

Address

Add Save Remove

No.	Name	Type	Detail
0	gmail.com	A Record	192.168.5.19
1	index.html	A Record	192.168.5.13

- ## *DNS IP Configuration:*

☐ DHCP ☒ Static

IPv4 Address

Subnet Mask

Default Gateway

DNS Server

- ## *Web Server Configuration:*

Gateway/DNS IPv4

☐ DHCP

☒ Static

Default Gateway

DNS Server

- ***IP Configuration:***

☒ Static

- ***HTTP Configuration:***

HTTP

HTTP

☒ On ☐ Off

HTTPS

☒ On ☐ Off

File Manager

	File Name	Edit	Delete
1	copyrights.html	(edit)	(delete)
2	cscoptlogo177x111.jpg		(delete)
3	helloworld.html	(edit)	(delete)
4	image.html	(edit)	(delete)
5	index.html	(edit)	(delete)

- # Addition In Web Server:

File Name:

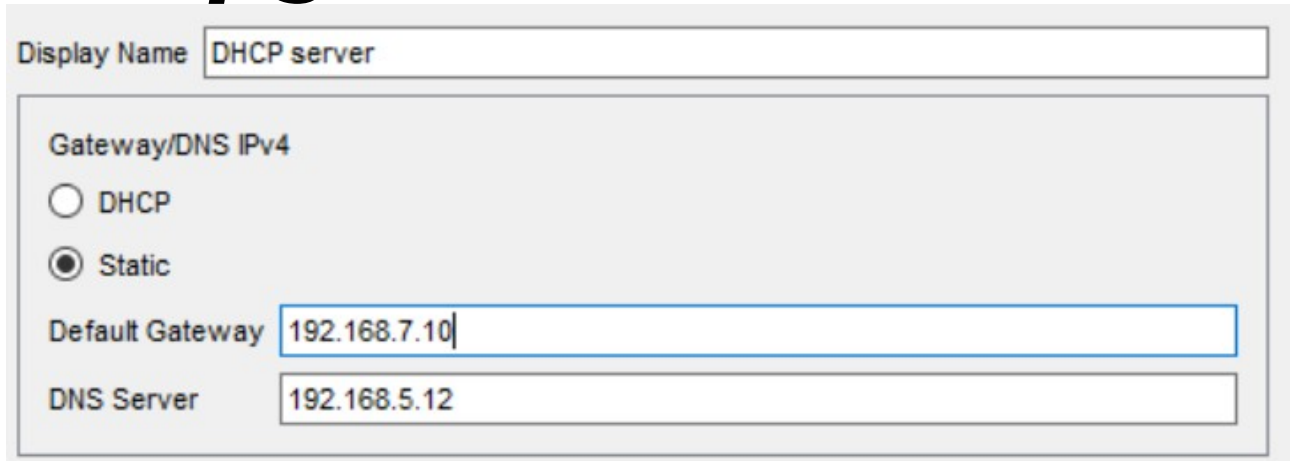
- ```
<html>
Hello, world!

Back
</html>
```

<hr>Welcome to Cisco Packet Tracer. Opening doors to new opportunities. Mind Wide Open.

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# ***DHCP Server Configuration:***



Display Name

Gateway/DNS IPv4

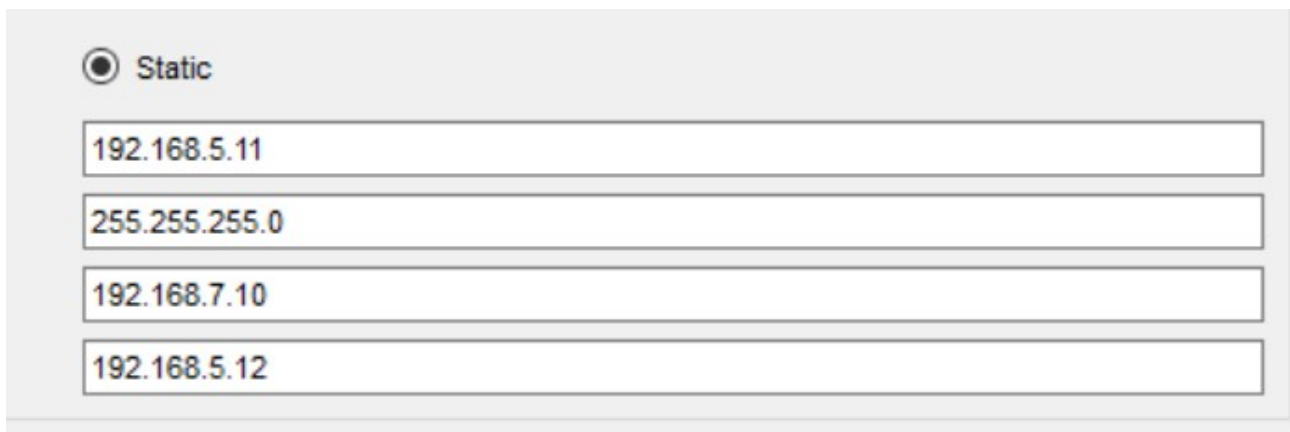
☐ DHCP

☒ Static

Default Gateway

DNS Server

- ## ***IP Configuration:***



☒ Static

-

## DHCP

Interface	FastEthernet0	Service	<input checked="" type="radio"/> On	<input type="radio"/> Off
Pool Name	serverPool			
Default Gateway	192.168.5.10			
DNS Server	192.168.5.12			
Start IP Address :	192	168	5	0
Subnet Mask:	255	255	255	0
Maximum Number of Users :	245			
TFTP Server:	0.0.0.0			
WLC Address:	0.0.0.0			
Add		Save		Remove

## DHCP

Interface	FastEthernet0	Service	<input checked="" type="radio"/> On	<input type="radio"/> Off
Pool Name	serverPool2			
Default Gateway	192.168.3.10			
DNS Server	192.168.5.12			
Start IP Address :	192	168	3	11
Subnet Mask:	255	255	255	0
Maximum Number of Users :	245			
TFTP Server:	0.0.0.0			
WLC Address:	0.0.0.0			

***POOL 3:***



Interface FastEthernet0 Service ☒ On ☐ Off

Pool Name serverPool3

Default Gateway 192.168.1.1

DNS Server 192.168.5.12

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## ***POOL 4:***

Pool Name serverPool4

Default Gateway 192.168.1.33

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## ***POOL 5:***

Interface FastEthernet0 Service ☒ On ☐ Off

Pool Name serverPool5

Default Gateway 192.168.6.10

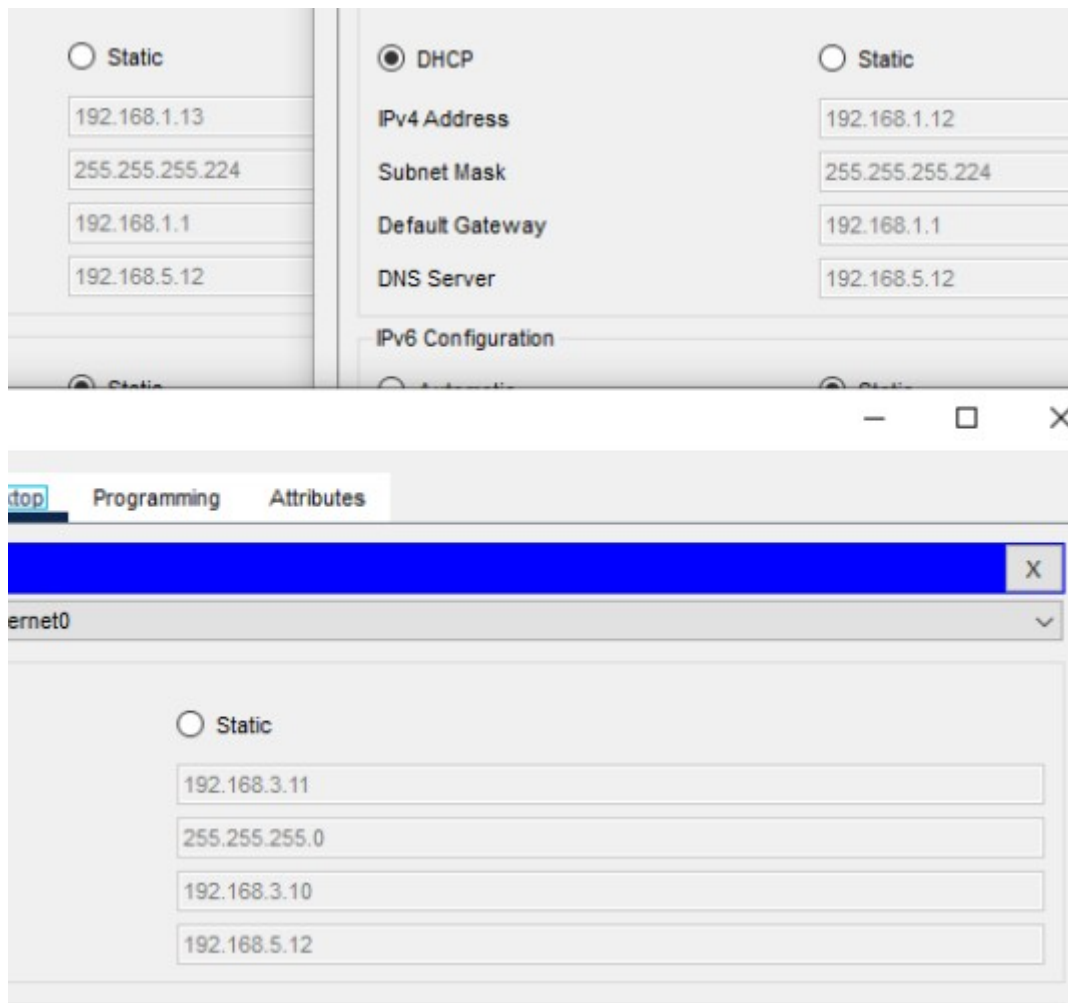
DNS Server 192.168.5.12

Start IP Address : 192 168 6 0

Subnet Mask: 255 255 255 0

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## ***DHCP IP Assignment:***



- ***Conclusion:***  
***Simply open the ip***  
***Address of web server and***  
***you will receive a***  
***response.***

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