Name: Abubakkar Abdullah

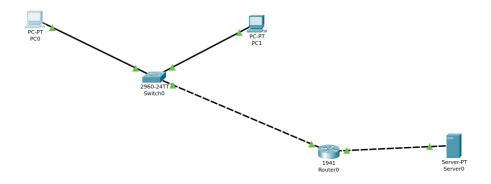
Rno#20p-0045

Class-BCS-4B

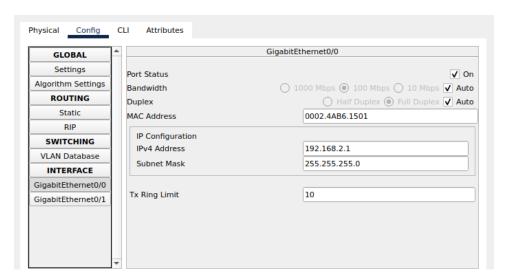
Lab-Task

Task=1.

Topology:

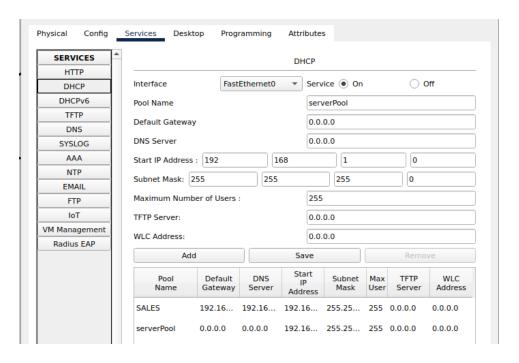


Configuration:

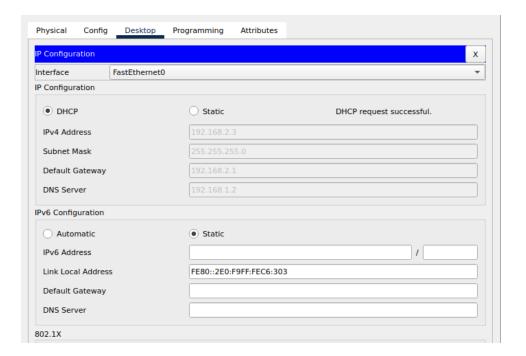


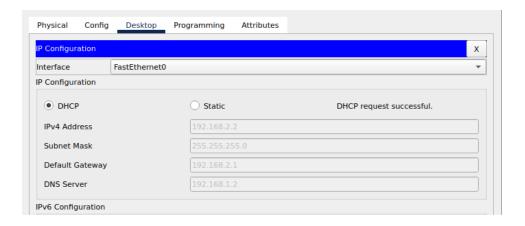
GLOBAL			GigabitEt	thernet0/1
Settings				
Algorithm Settings	Port Status Bandwidth		0.1/	✓ Or
ROUTING	Duplex		0 1	000 Mbps 100 Mbps 10 Mbps Auto Half Duplex Full Duplex Auto
Static	MAC Address	-		0002.4AB6.1502
RIP	MAC Address	5		0002.4AB6.1502
SWITCHING	IP Configu			
VLAN Database	IPv4 Address			192.168.1.1
INTERFACE	Subnet Ma	ask		255.255.255.0
GigabitEthernet0/0				
GigabitEthernet0/1	Tx Ring Lim	nit		10
quivalent IOS Comman	ds			
nysical Config S	Services De	esktop Programming	g Attrib	outes
		rogramm	9 / 101110	
Configuration				
				Х
Configuration				х
		Static		х
O DHCP				x
OHCP		192.168.1.2		x
O DHCP				x
OHCP		192.168.1.2		x
DHCP IPv4 Address Subnet Mask Default Gateway		192.168.1.2 255.255.255.0		
DHCP IPv4 Address Subnet Mask		192.168.1.2 255.255.255.0 192.168.1.1		X
DHCP IPv4 Address Subnet Mask Default Gateway DNS Server		192.168.1.2 255.255.255.0 192.168.1.1		
DHCP IPv4 Address Subnet Mask Default Gateway DNS Server v6 Configuration Automatic		192.168.1.2 255.255.255.0 192.168.1.1 0.0.0.0		
DHCP IPv4 Address Subnet Mask Default Gateway DNS Server v6 Configuration Automatic IPv6 Address		192.168.1.2 255.255.255.0 192.168.1.1 0.0.0.0		
DHCP IPv4 Address Subnet Mask Default Gateway DNS Server v6 Configuration Automatic IPv6 Address Link Local Address		192.168.1.2 255.255.255.0 192.168.1.1 0.0.0.0		
DHCP IPv4 Address Subnet Mask Default Gateway DNS Server v6 Configuration Automatic IPv6 Address Link Local Address Default Gateway		192.168.1.2 255.255.255.0 192.168.1.1 0.0.0.0		
DHCP IPv4 Address Subnet Mask Default Gateway DNS Server v6 Configuration Automatic IPv6 Address Link Local Address		192.168.1.2 255.255.255.0 192.168.1.1 0.0.0.0		
DHCP IPv4 Address Subnet Mask Default Gateway DNS Server v6 Configuration Automatic IPv6 Address Link Local Address Default Gateway DNS Server		192.168.1.2 255.255.255.0 192.168.1.1 0.0.0.0		
DHCP IPv4 Address Subnet Mask Default Gateway DNS Server v6 Configuration Automatic IPv6 Address Link Local Address Default Gateway DNS Server	у	192.168.1.2 255.255.255.0 192.168.1.1 0.0.0.0		
DHCP IPv4 Address Subnet Mask Default Gateway DNS Server v6 Configuration Automatic IPv6 Address Link Local Address Default Gateway DNS Server	y MDS	192.168.1.2 255.255.255.0 192.168.1.1 0.0.0.0		
DHCP IPv4 Address Subnet Mask Default Gateway DNS Server v6 Configuration Automatic IPv6 Address Link Local Address Default Gateway DNS Server 22.1X Use 802.1X Securit		192.168.1.2 255.255.255.0 192.168.1.1 0.0.0.0		

DHCP:



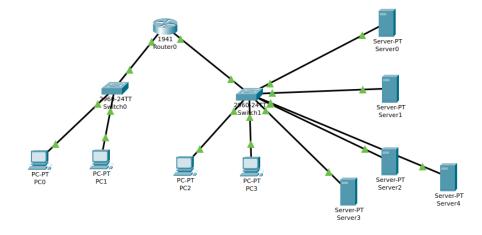
Connection:



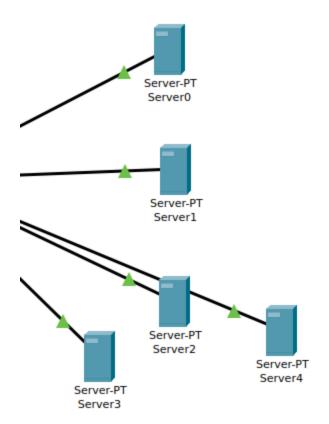


TASK#2:

TOPOLOGY.



SERVERS.





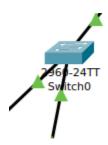






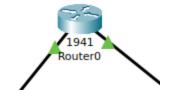


SERVERS.

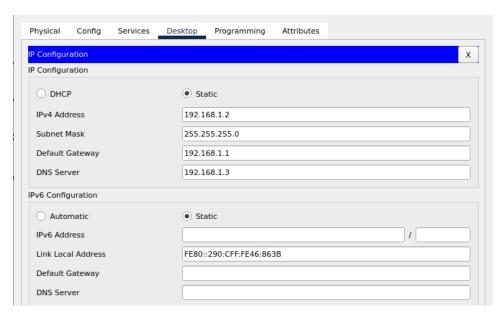




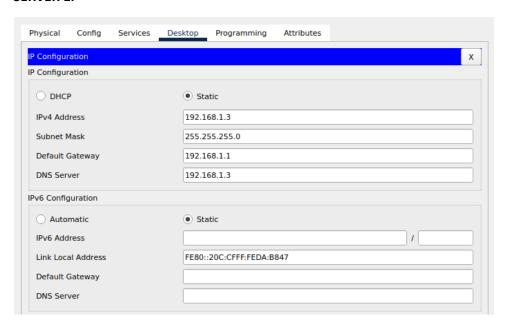




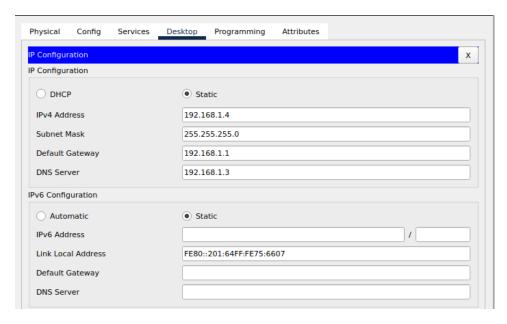
SERVER O.



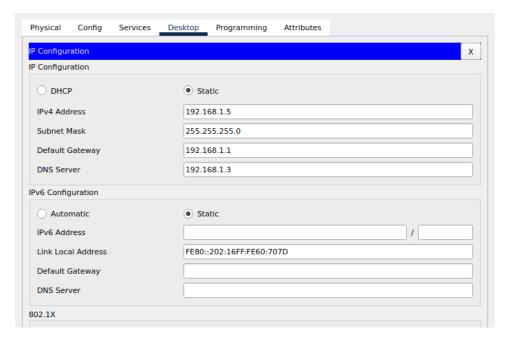
SERVER 1.



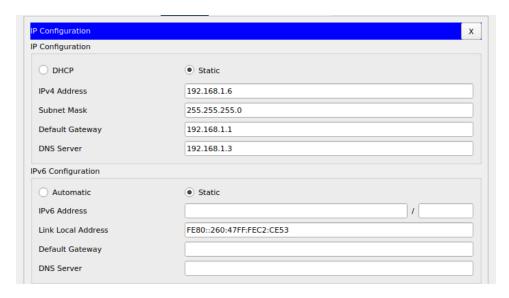
SERVER 2.



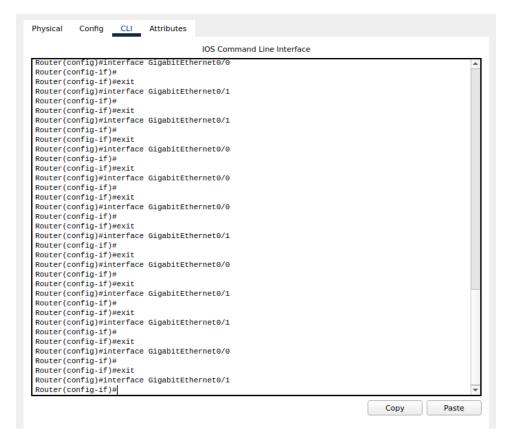
SERVER 3.



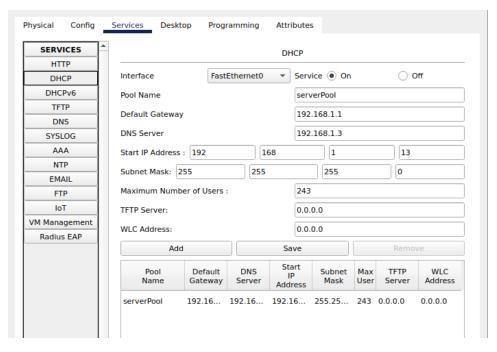
SERVER 4.



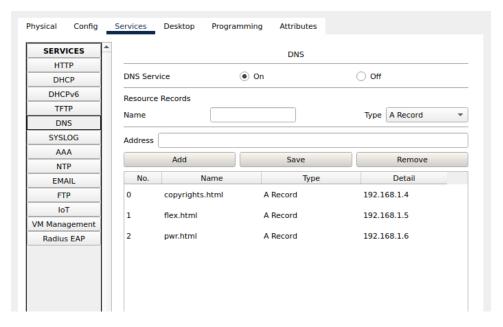
ROUTER CLI:



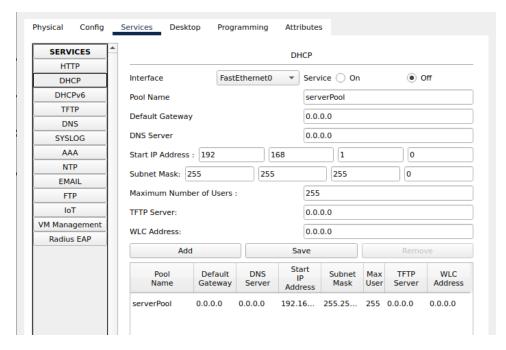
SERVER O DHCP:



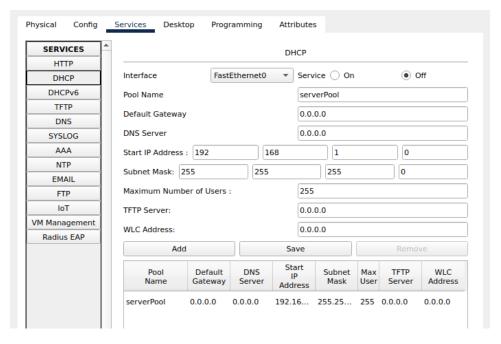
SERVER 1 DNS



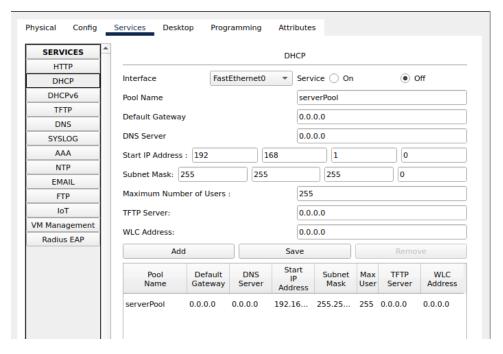
SERVER 2 DHCP



SERVER 3 DHCP



SERVER 4 DHCP



Configuration:

IOS Command Line Interface

```
Enter configuration commands, one per line. End with CNTL/Z.
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)#
Router(config-if)#exit
Router(config)#interface GigabitEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface GigabitEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#exit
Router#
%SYS-5-CONFIG_I: Configured from console by console
Router#exit
```

Router con0 is now available

Press RETURN to get started.

Router>enable
Router#if-config
Translating "if-config"...domain server (255.255.255.255)

Router(config-if)#
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)#interface GigabitEthernet0/1
Router(config-if)#if-config