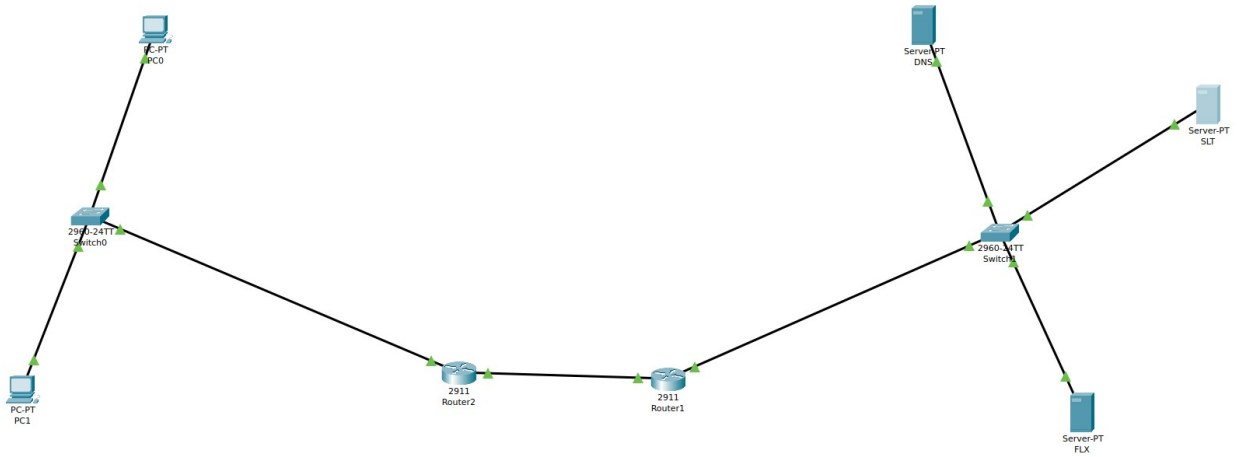
Abubakkar Abdullah

20p-0045

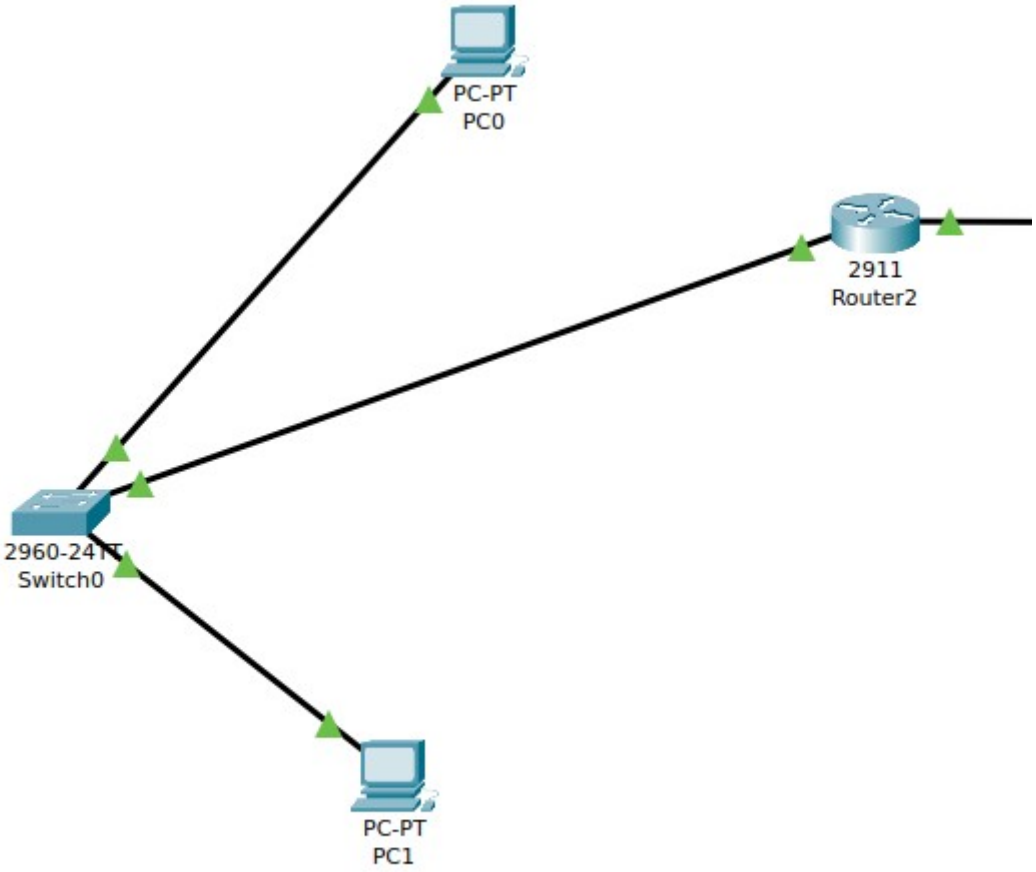
Lab-13-Task

BCS-5B

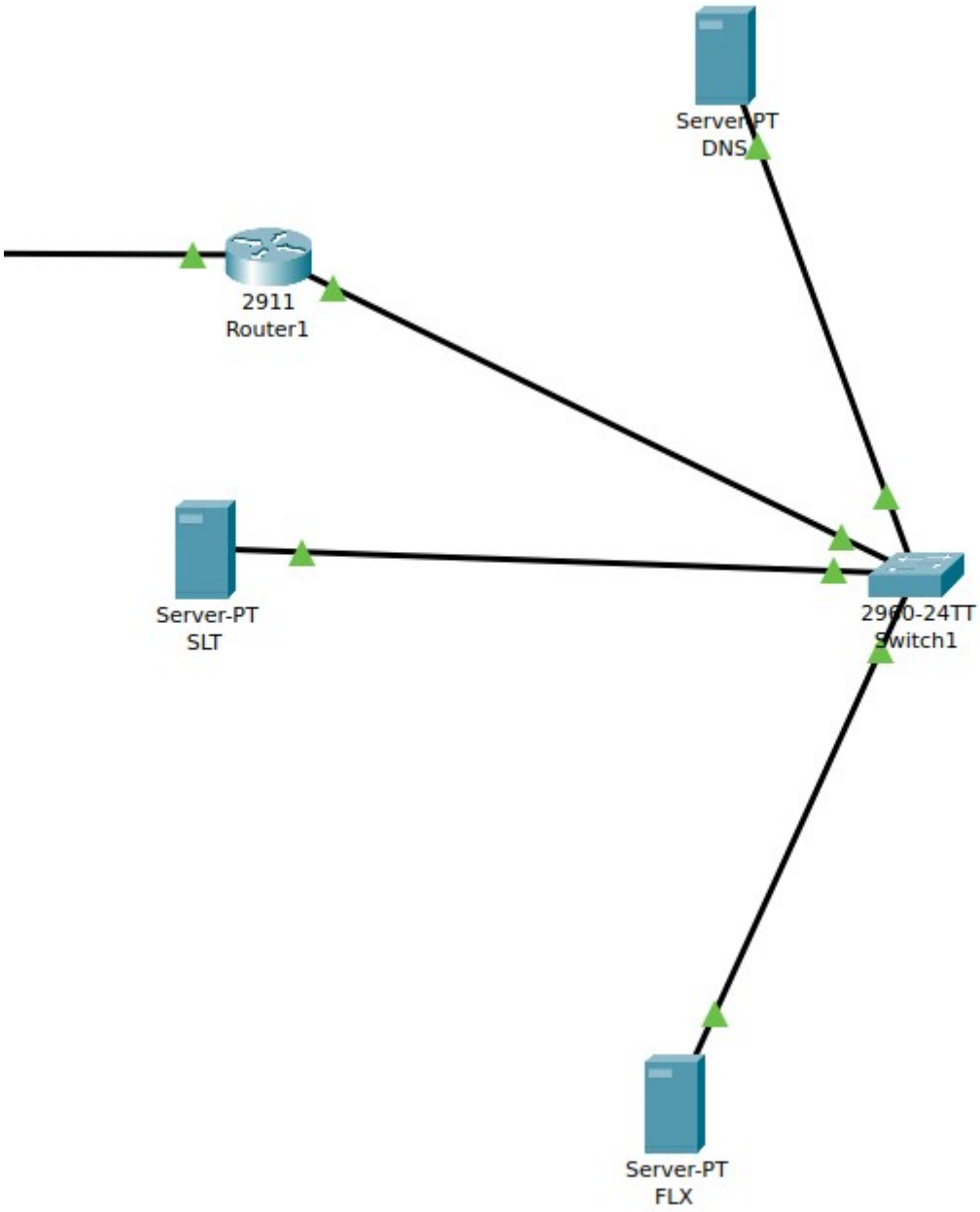
Topology:


PC-PT
PC0
Server-PT
DNS
Server-PT
SLT
2960-24TT
Switch0
2960-24TT
Switch1
2911
Router2
2911
Router1
PC-PT
PC1
Server-PT
FLX

●

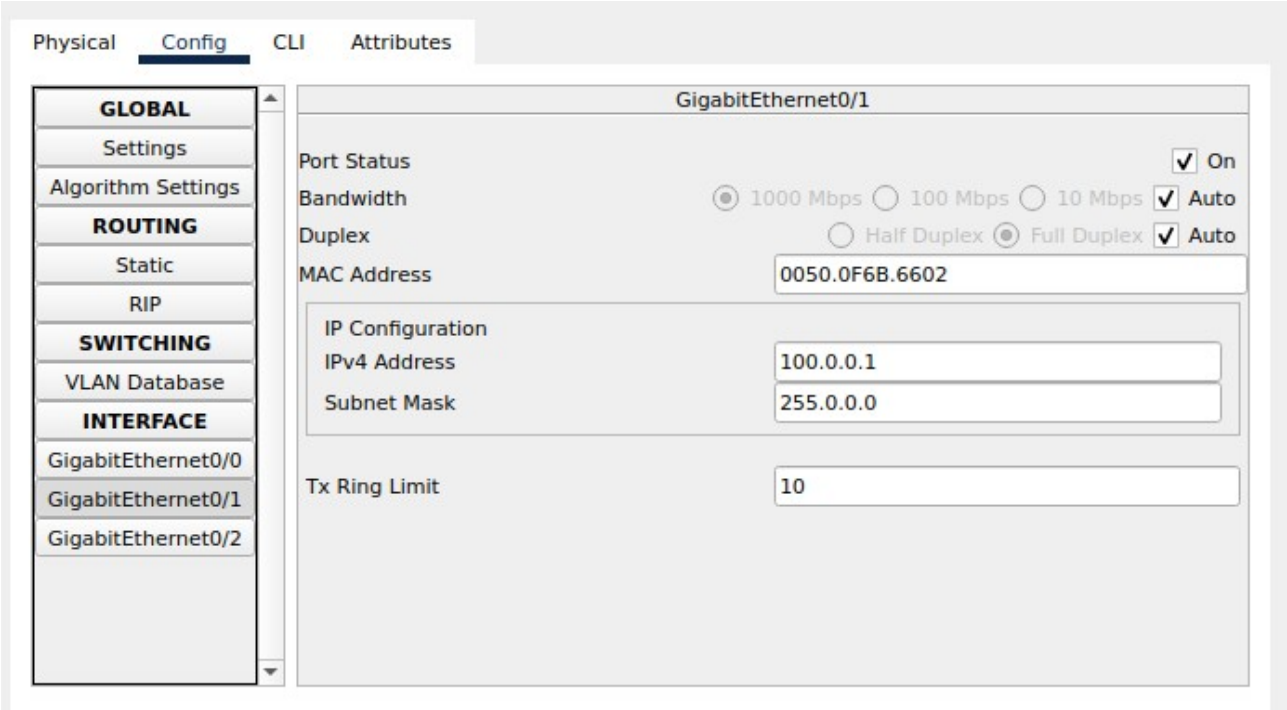

PC-PT
PC0
2911
Router2
2960-24TT
Switch0
PC-PT
PC1

-


Server-PT
DNS
2911
Router1
Server-PT
SLT
2960-24TT
Switch1
Server-PT
FLX

-

Router-2-Configuration:



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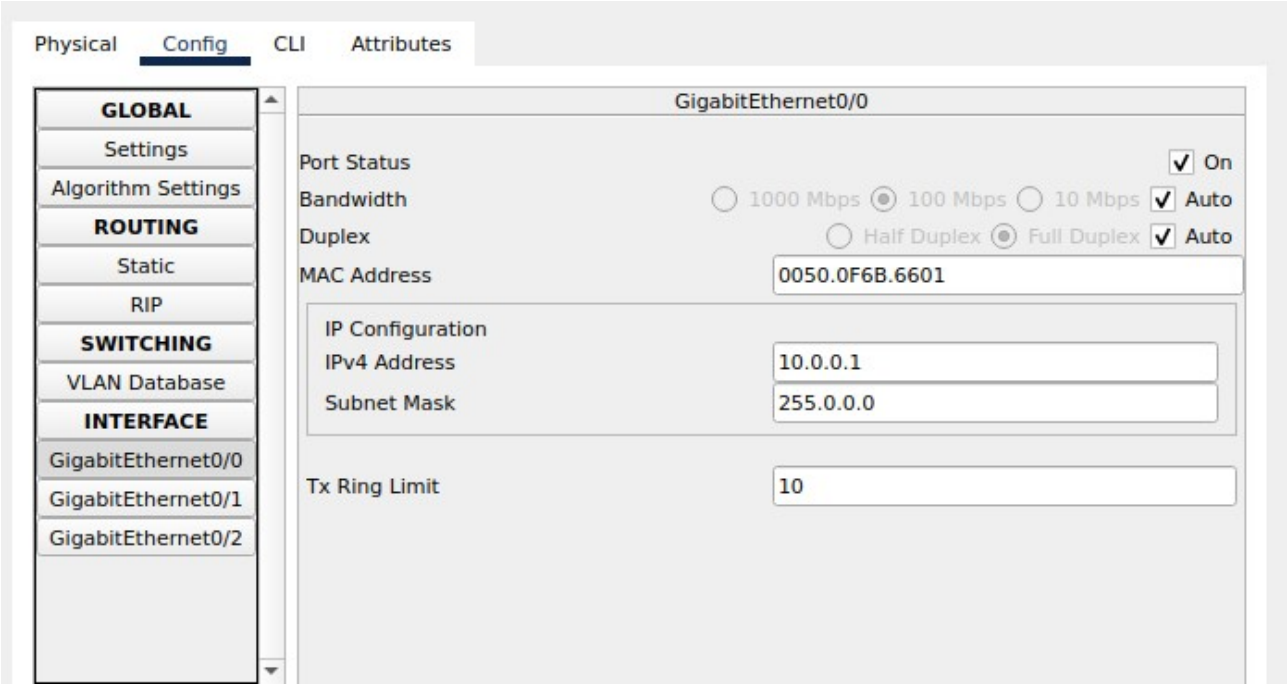

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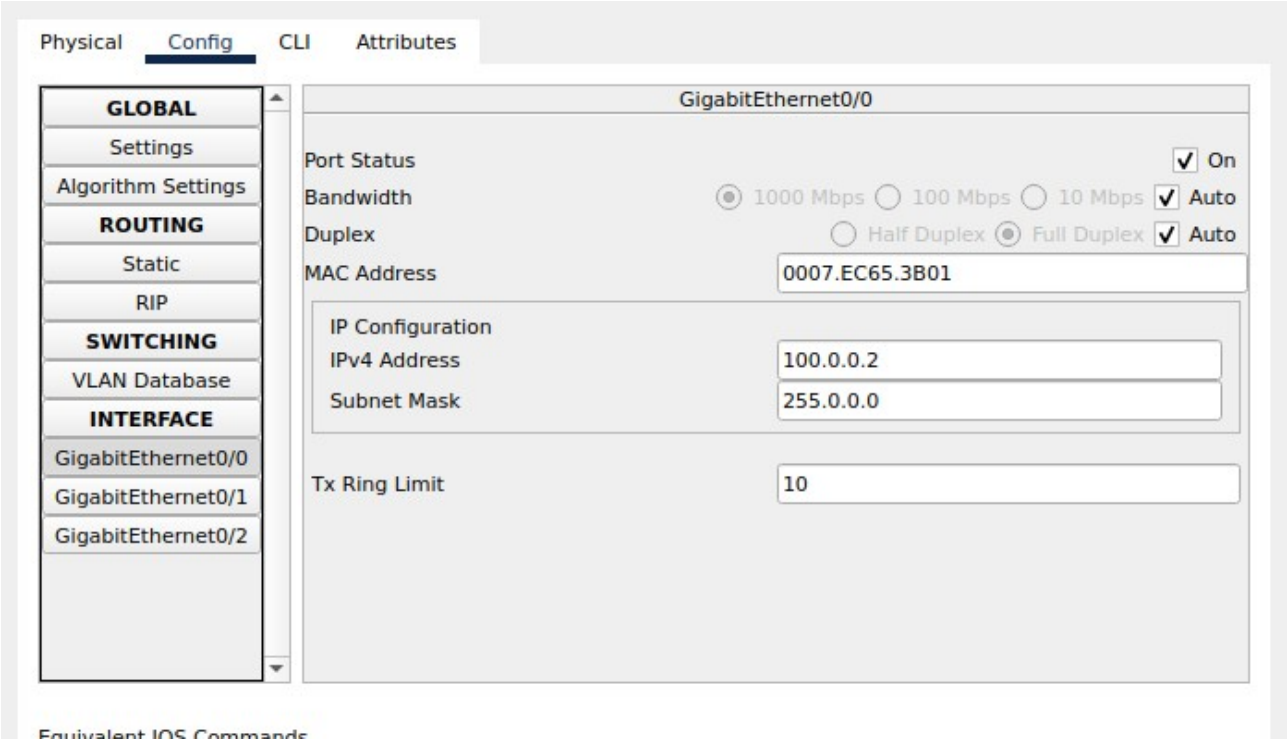
Router-1-Configuration:



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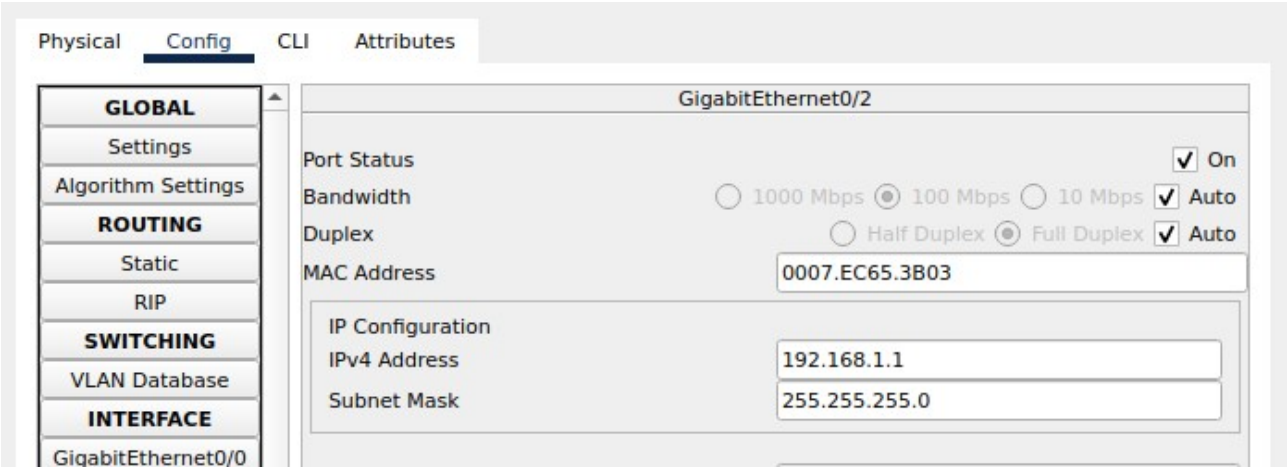

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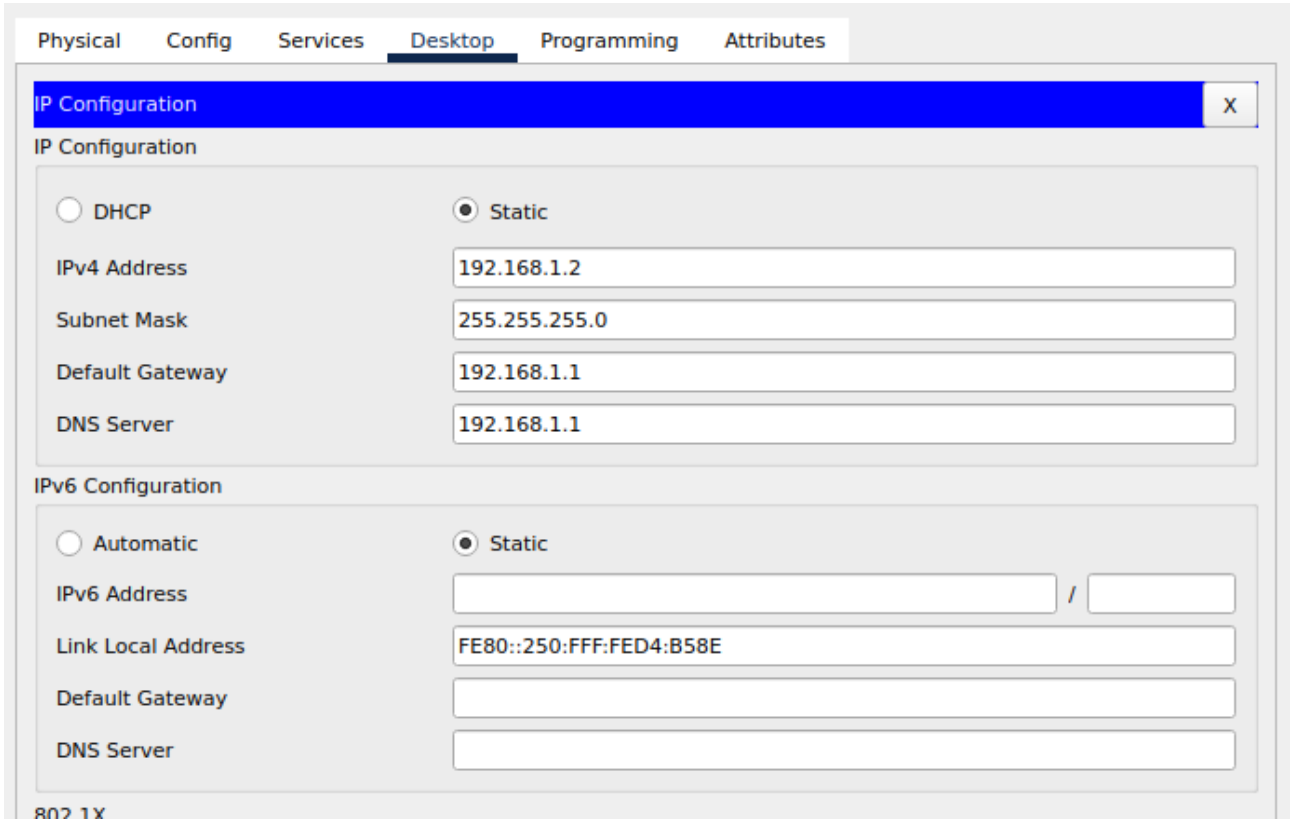
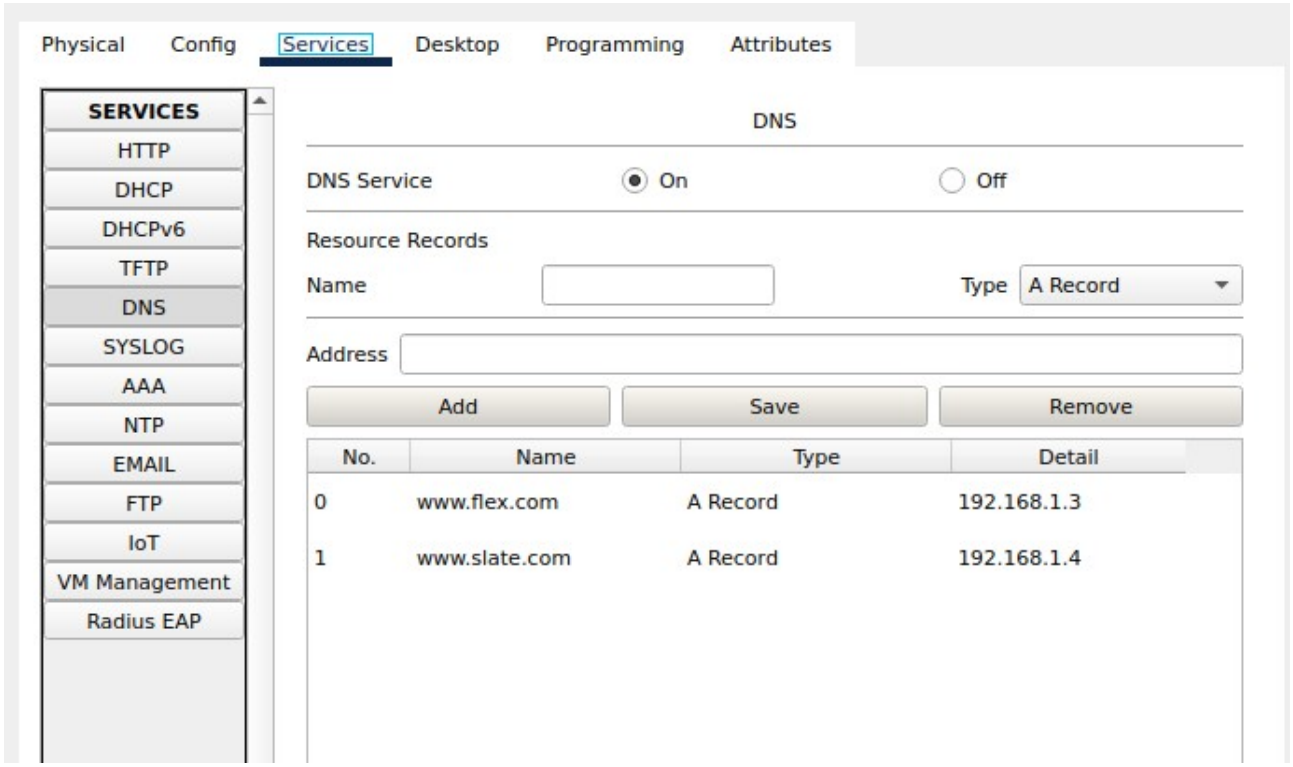
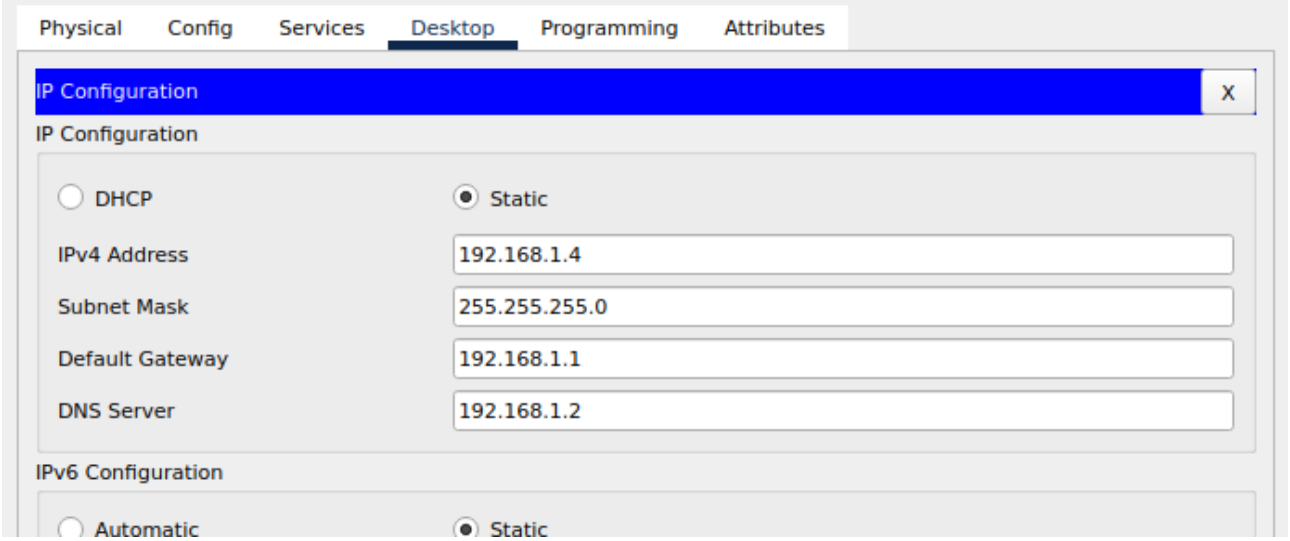
DNS Configuration:


Physical
Config
Services
Desktop
Programming
Attributes
IP Configuration
X
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


Physical
Config
Services
Desktop
Programming
Attributes
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
No.
Name
Type
Detail
0
www.flex.com
A Record
192.168.1.3
1
www.slate.com
A Record
192.168.1.4

Slate-Config:



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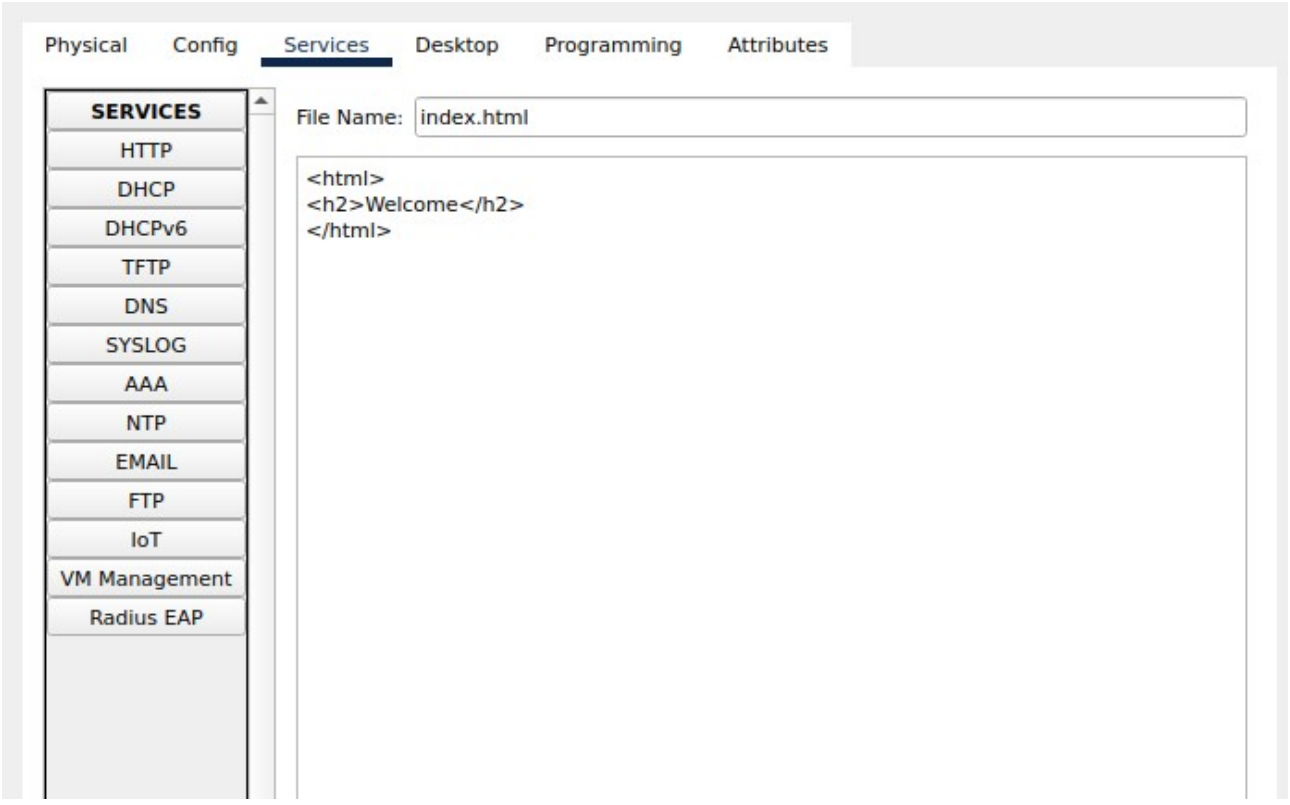

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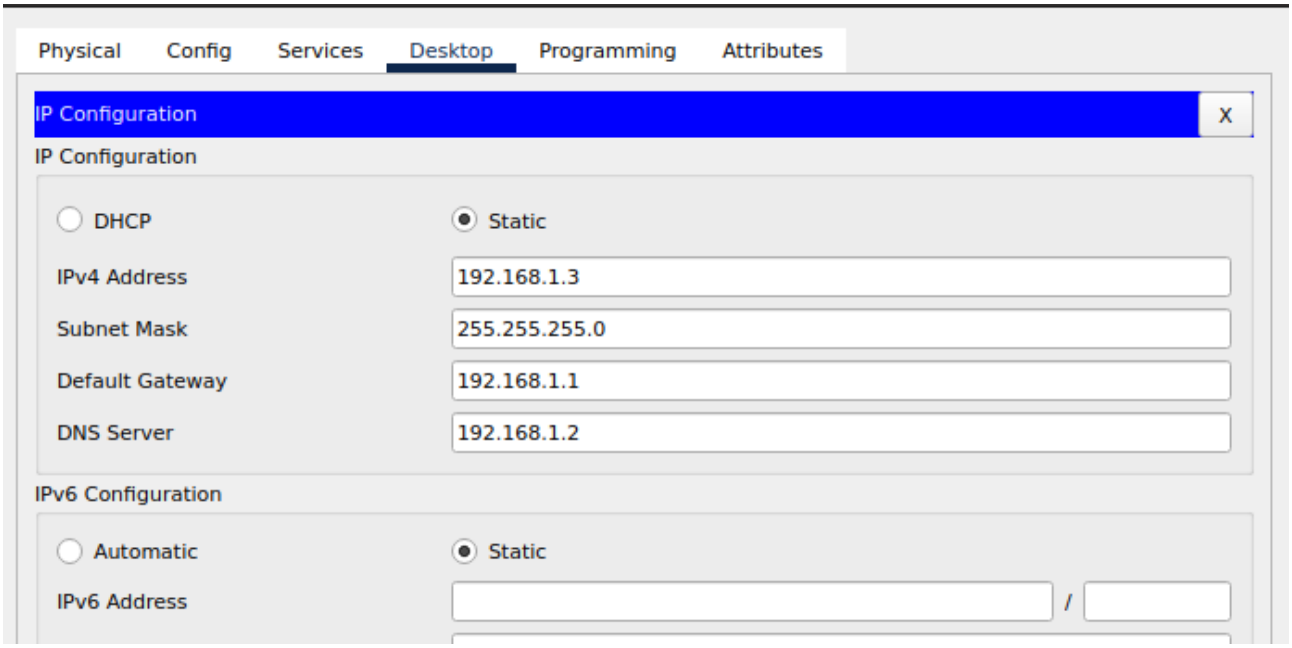
Flex-Config:



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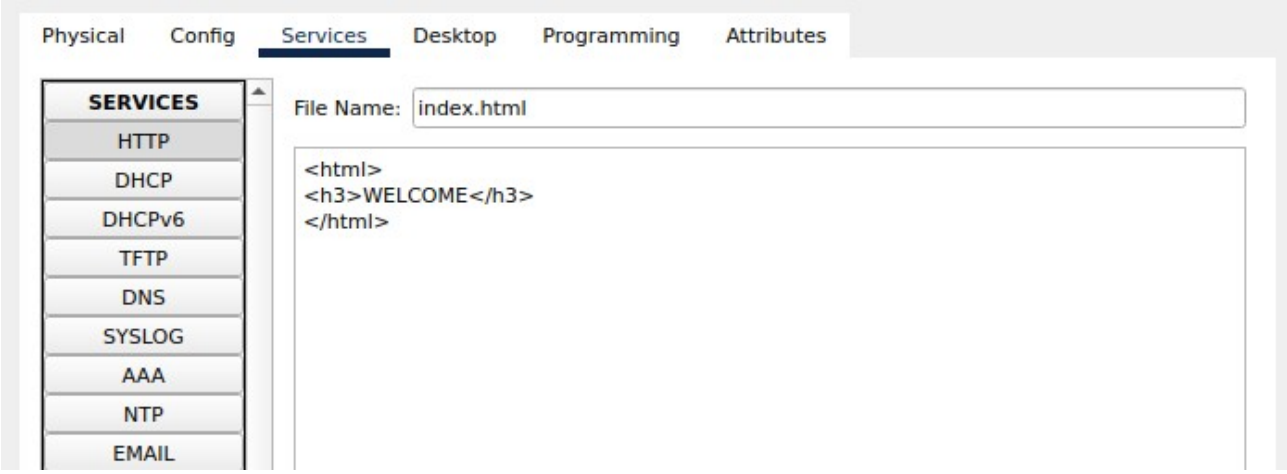

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Routing:

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
erface GigabitEthernet0/1
```

```
ip nat inside source static 192.168.1.3 200.0.0.3
erface GigabitEthernet0/1
```

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

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ROUTING TESTING: Simple Open The Browser And By The Result Of www.flex.com or

www.slate.com you will get the respective sites.