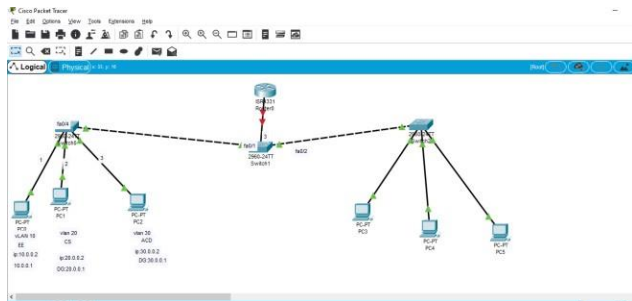


Danish

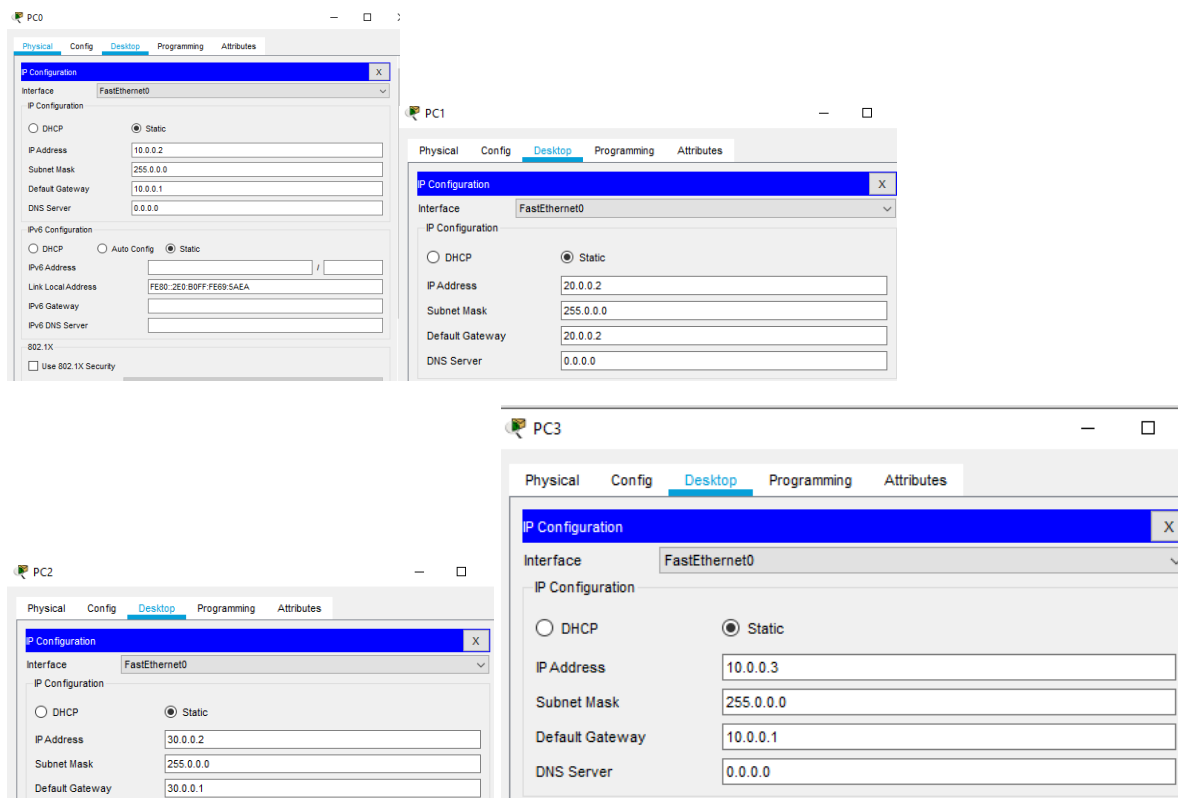
21k-4829

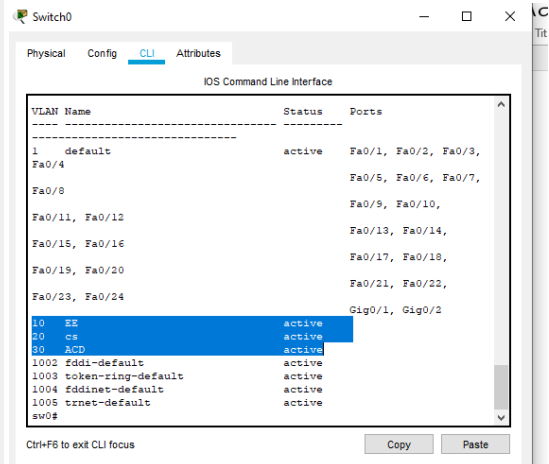
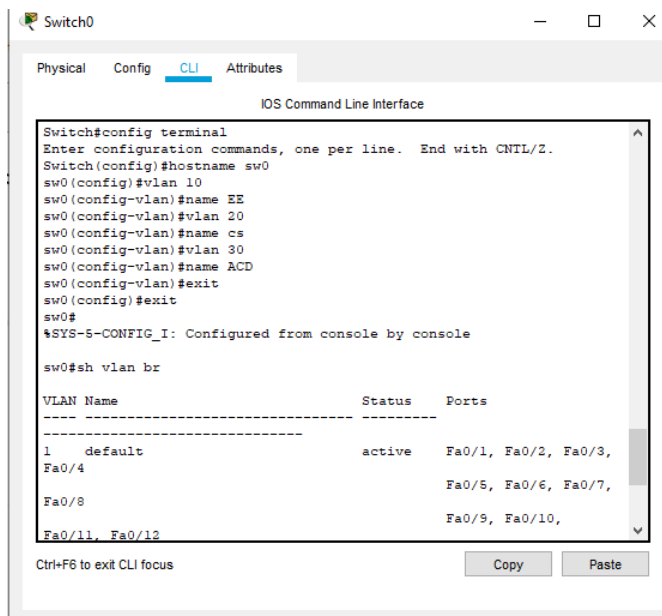
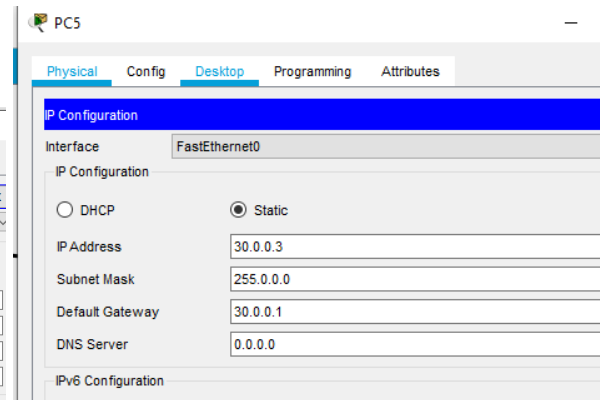
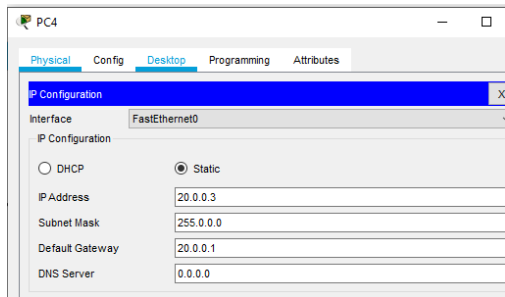
Lab#11

## Task#1



The Last and Correct topology is at end after all configuration





Switch0

Physical Config CLI Attributes

IOS Command Line Interface

```
1002 fddi-default active
1003 token-ring-default active
1004 fddinet-default active
1005 trnet-default active
sw0(config)terminal
Enter configuration commands, one per line. End with CNTL/Z.
sw0(config)#hostname sw0
sw0(config)#int f0/1
sw0(config-if)#switchport mode access
sw0(config-if)#switchport access vlan 10
sw0(config-if)#int f0/2
sw0(config-if)#switchport mode access
sw0(config-if)#switchport access vlan 20
sw0(config-if)#int f0/3
sw0(config-if)#switchport mode access
sw0(config-if)#switchport access vlan 30
sw0(config-if)#exit
sw0(config)#exit
sw0#
%SYS-5-CONFIG_I: Configured from console by console

sw0#sh vlan br

VLAN Name                Status    Ports
-----
1    default                active    Fa0/4, Fa0/5, Fa0/6, Fa0/7
                                           Fa0/8, Fa0/9, Fa0/10, Fa0/11
                                           Fa0/12, Fa0/13, Fa0/14, Fa0/15
                                           Fa0/16, Fa0/17, Fa0/18, Fa0/19
                                           Fa0/20, Fa0/21, Fa0/22, Fa0/23
                                           Fa0/24, Gig0/1, Gig0/2
10   EE                    active    Fa0/1
20   cs                    active    Fa0/2
30   ACD                   active    Fa0/3
1002 fddi-default         active
1003 token-ring-default   active
1004 fddinet-default       active
1005 trnet-default         active
sw0#
```

Switch2

Physical Config CLI Attributes

IOS Command Line Interface

```
sw1(config)#vlan 10
sw1(config-vlan)#name EE
sw1(config-vlan)#vlan 20
sw1(config-vlan)#name cs
sw1(config-vlan)#vlan 30
sw1(config-vlan)#name ACD
sw1(config-vlan)#int f0/1
sw1(config-if)#switchport mode access
sw1(config-if)#switchport mode vlan10
% Invalid input detected at '^' marker.
sw1(config-if)#switchport  vlan10
% Invalid input detected at '^' marker.
sw1(config-if)#switchport access vlan10
% Invalid input detected at '^' marker.
sw1(config-if)#switchport access vlan 10
sw1(config-if)#int f0/2
sw1(config-if)#switchport mode access
sw1(config-if)#switchport access vlan 20
sw1(config-if)#int f0/3
```

Ctrl+F6 to exit CLI focus

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Tnn

Switch2

Physical Config CLI Attributes

IOS Command Line Interface

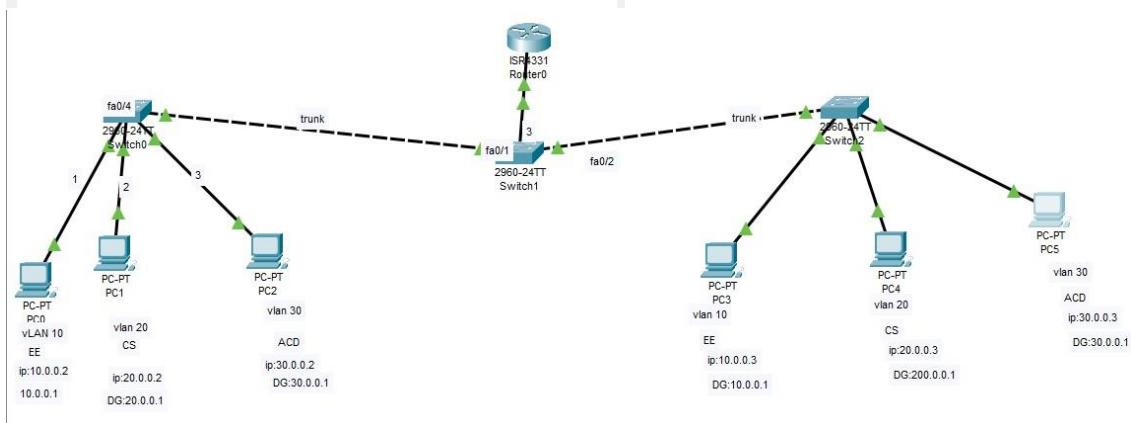
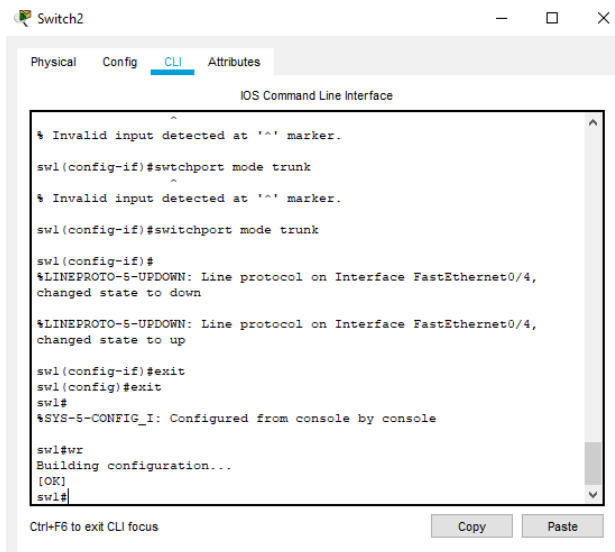
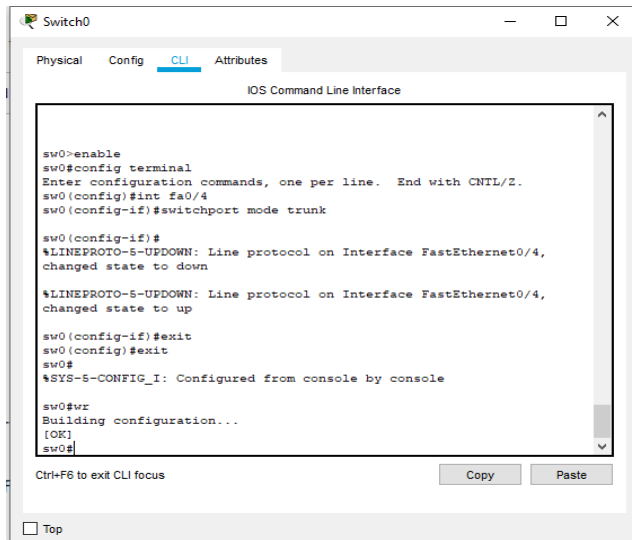
```
sw1#sh vlan br

VLAN Name                Status    Ports
-----
1    default                active    Fa0/4, Fa0/5, Fa0/6,
                                           Fa0/7
                                           Fa0/8, Fa0/9, Fa0/10,
                                           Fa0/11
                                           Fa0/12, Fa0/13,
                                           Fa0/14, Fa0/15
                                           Fa0/16, Fa0/17,
                                           Fa0/18, Fa0/19
                                           Fa0/20, Fa0/21,
                                           Fa0/22, Fa0/23
                                           Fa0/24, Gig0/1,
                                           Gig0/2
10   EE                    active    Fa0/1
20   cs                    active    Fa0/2
30   ACD                   active    Fa0/3
1002 fddi-default         active
1003 token-ring-default   active
1004 fddinet-default       active
1005 trnet-default         active
sw1#
```

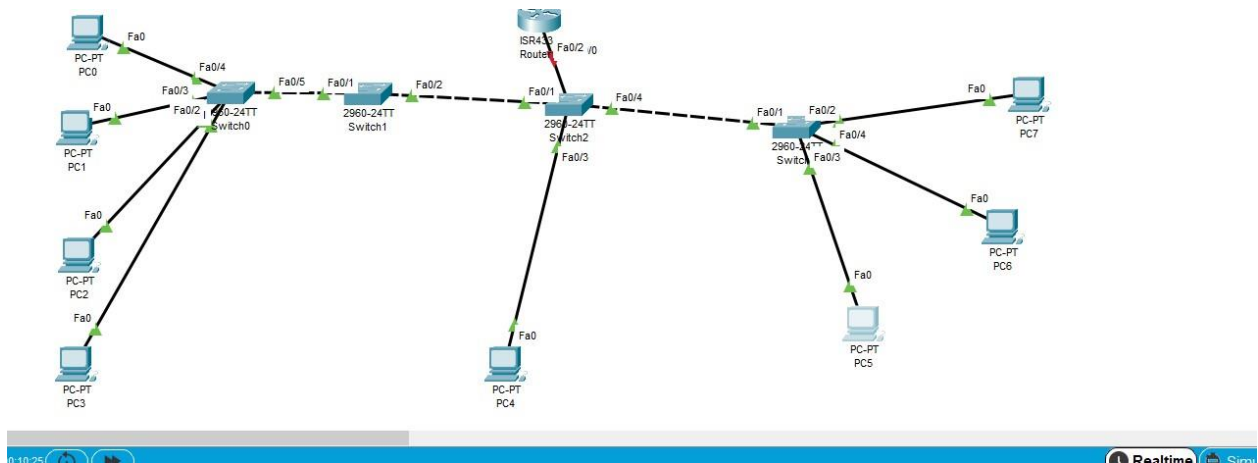
Ctrl+F6 to exit CLI focus

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## Task#2



PC0

IP Address	1.8.1.2
Subnet Mask	255.0.0.0
Default Gateway	1.8.1.1
DNS Server	0.0.0.0
IPv6 Configuration	

Pc4

IP Configuration

Interface

FastEthernet0

IP Configuration

DHCP

Static

IP Address

1.8.2.2

Subnet Mask

255.0.0.0

Default Gateway

1.8.2.1

DNS Server

0.0.0.0

IPv6 Configuration

DHCP

Auto Config

Static

IPv6 Address

PC5

IP Address	<input type="text" value="1.8.3.2"/>
Subnet Mask	<input type="text" value="255.0.0.0"/>
Default Gateway	<input type="text" value="1.8.3.1"/>
DNS Server	<input type="text" value="0.0.0.0"/>
IPv6 Configuration	

Router1

PhysicalConfigCLIAttributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

SWITCHING

VLAN Database

INTERFACE

GigabitEthernet0/0/0

GigabitEthernet0/0/1

GigabitEthernet0/0/2

GigabitEthernet0/0/0

Port Status☒ On

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

Duplex☐ Half Duplex☒ Full Duplex☒ Auto

MAC Address

IP Configuration

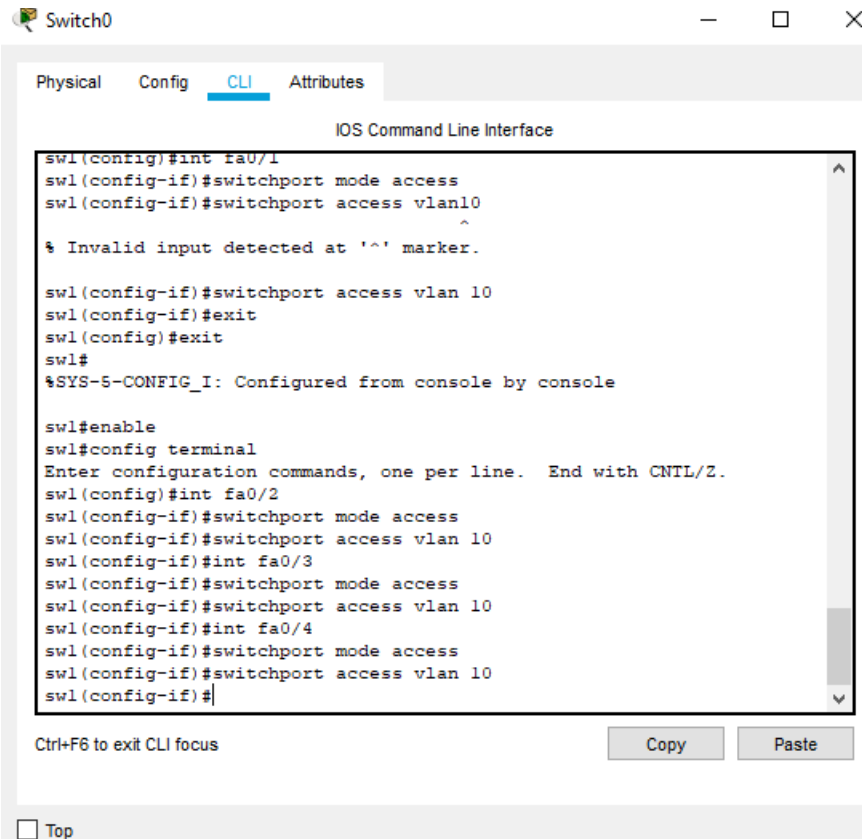
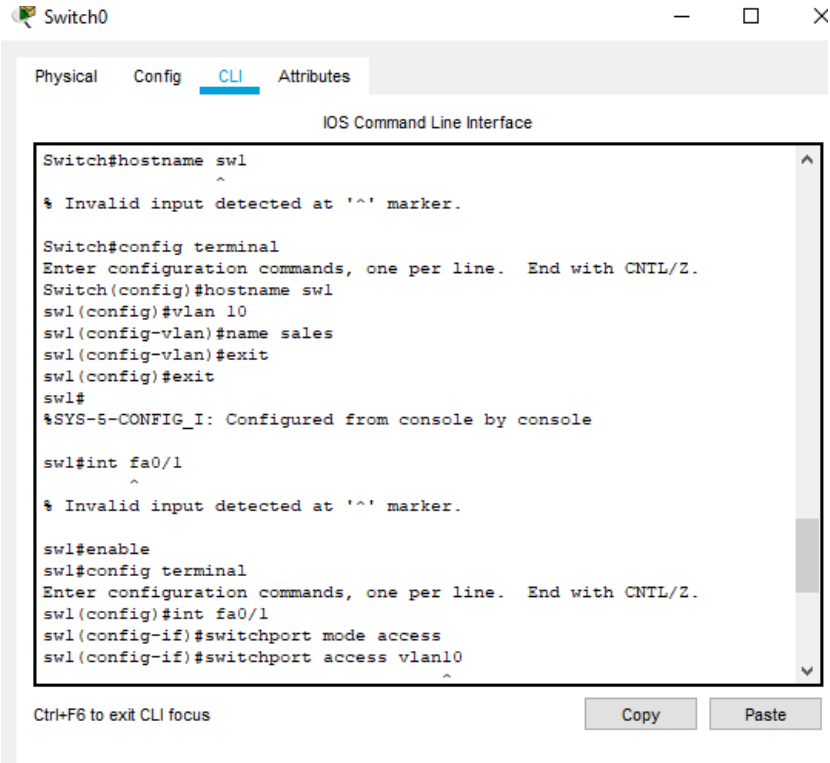
IP Address

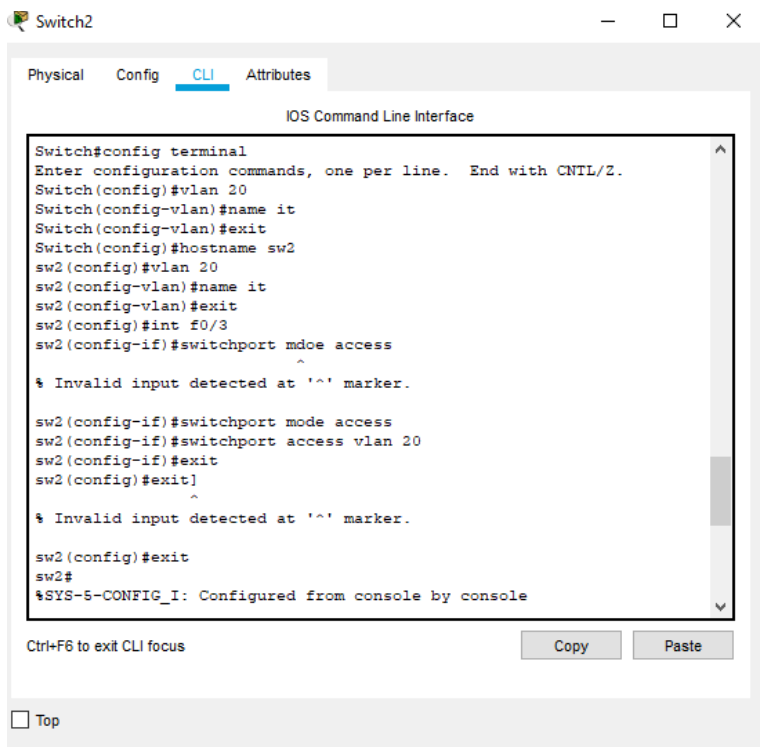
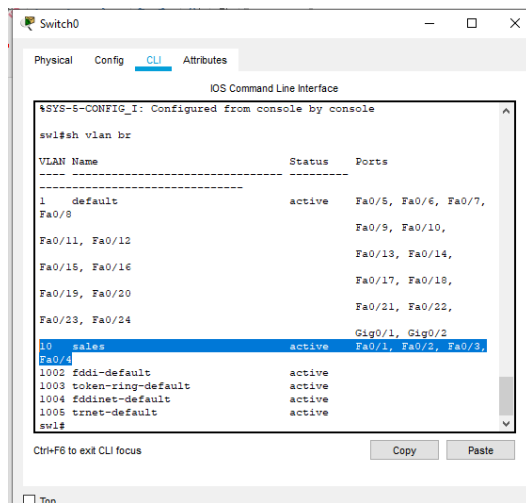
Subnet Mask

Tx Ring Limit

Equivalent IOS Commands

```
Router(config-if)#ip address 1.8.2.1 255.0.0.0
Router(config-if)#no shutdown
Router(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/0/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/0/0,
changed state to up
```







Switch2

Physical Config **CLI** Attributes

IOS Command Line Interface

```
sw2#sh vlan br
```

VLAN Name	Status	Ports
1 default	active	Fa0/1, Fa0/2, Fa0/4, Fa0/5, Fa0/6, Fa0/7, Fa0/8, Fa0/9, Fa0/10, Fa0/11, Fa0/12, Fa0/13, Fa0/14, Fa0/15, Fa0/16, Fa0/17, Fa0/18, Fa0/19, Fa0/20, Fa0/21, Fa0/22, Fa0/23, Fa0/24, Gig0/1
20 it	active	Gig0/2, Fa0/3
1002 fddi-default	active	
1003 token-ring-default	active	
1004 fddinet-default	active	
1005 trnet-default	active	

```
sw2#
```

Ctrl+F6 to exit CLI focus

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Switch3

Physical Config **CLI** Attributes

IOS Command Line Interface

```
Switch#config terminal
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#hostname sw3
sw3(config)#vlan 30
sw3(config-vlan)#name web
sw3(config-vlan)#exit
sw3(config)#exit
sw3#
%SYS-5-CONFIG_I: Configured from console by console

sw3#
sw3#int f0/2
^
% Invalid input detected at '^' marker.

sw3#config terminal
Enter configuration commands, one per line. End with CNTL/Z.
sw3(config)#
sw3(config)#int f0/2
sw3(config-if)#int fa0/3
sw3(config-if)#int fa0/4
sw3(config-if)#switchport mode access
sw3(config-if)#switchport access vlan 30
sw3(config-if)#exit
```

Ctrl+F6 to exit CLI focus

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Physical Config **CLI** Attributes

## IOS Command Line Interface

sw3#sh vlan br

VLAN Name	Status	Ports
1 default	active	Fa0/1, Fa0/2, Fa0/3, Fa0/5 Fa0/6, Fa0/7, Fa0/8, Fa0/9 Fa0/10, Fa0/11, Fa0/12, Fa0/13 Fa0/14, Fa0/15, Fa0/16, Fa0/17 Fa0/18, Fa0/19, Fa0/20, Fa0/21 Fa0/22, Fa0/23, Fa0/24, Gig0/1 Gig0/2
30 web	active	Fa0/4
1002 fddi-default	active	
1003 token-ring-default	active	
1004 fddinet-default	active	
1005 trnet-default	active	

sw3#

Ctrl+F6 to exit CLI focus

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```
sw2(config)#int fa0/2
sw2(config-if)#switchport mode trunk

sw2(config-if)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/2,
changed state to down

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/2,
changed state to up
```

Ctrl+F6 to exit CLI focus

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