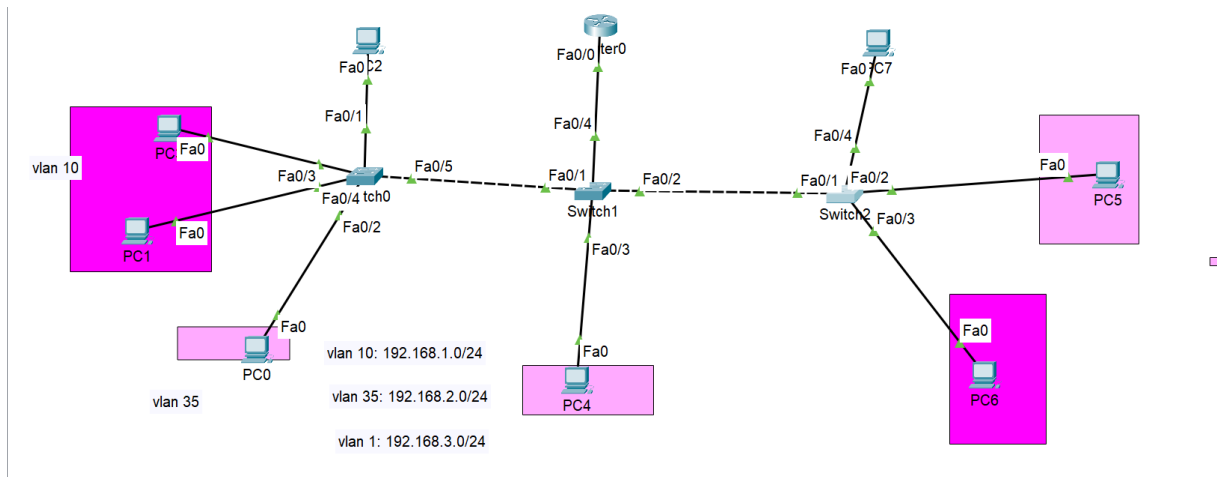


VLAN-ROAS



SWO

```
Switch>
Switch>en
Switch#config t
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#
Switch(config)#
Switch(config)#
Switch(config)#do show vlan brief
```

VLAN Name Status Ports

```
-----
1 default active Fa0/1, Fa0/2, Fa0/3, 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
1002 fddi-default active
1003 token-ring-default active
1004 fddinet-default active
1005 trnet-default active
Switch(config)#
Switch(config)#
Switch(config)#vlan 10
```

```
Switch(config-vlan)#CN
```

```
^
```

```
% Invalid input detected at '^' marker.
```

```
Switch(config-vlan)#name CN
```

```
Switch(config-vlan)#vlan 35
```

```
Switch(config-vlan)#name BN
```

```
Switch(config-vlan)#exit
```

```
Switch(config)#
```

```
Switch(config)#do show vlan brief
```

```
VLAN Name Status Ports
```

```
-----  
1 default active Fa0/1, Fa0/2, Fa0/3, 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 CN active
```

```
35 BN active
```

```
1002 fddi-default active
```

```
1003 token-ring-default active
```

```
1004 fddinet-default active
```

```
1005 trnet-default active
```

```
Switch(config)#
```

```
Switch(config)#
```

```
Switch(config)#
```

```
Switch(config)#interface fa0/2
```

```
Switch(config-if)#switchport mode access
```

```
Switch(config-if)#switchport access vlan 35
```

```
Switch(config-if)#exit
```

```
Switch(config)#do show vlan brief
```

```
VLAN Name Status Ports
```

```
-----  
1 default active Fa0/1, Fa0/3, 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 CN active
```

```
35 BN active Fa0/2
```

```
1002 fddi-default active
```

```
1003 token-ring-default active
1004 fddinet-default active
1005 trnet-default active
Switch(config)#
Switch(config)#
Switch(config)#
Switch(config)#int range fa0/3-4
Switch(config-if-range)#switchport mode access
Switch(config-if-range)#switchport access vlan 10
Switch(config-if-range)#exit
Switch(config)#
Switch(config)#int fa0/5
Switch(config-if)#switchport mode trunk
```

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

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

```
Switch(config-if)#do show vlan brief
```

```
VLAN Name Status Ports
```

```
-----
1 default active Fa0/1, 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 CN active Fa0/3, Fa0/4
35 BN active Fa0/2
1002 fddi-default active
1003 token-ring-default active
1004 fddinet-default active
1005 trnet-default active
Switch(config-if)#
```

SW1

```
Switch>
Switch>en
Switch#confi t
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#
```

```
Switch(config)#  
Switch(config)#vlan 10  
Switch(config-vlan)#name CN  
Switch(config-vlan)#vlan 35  
Switch(config-vlan)#name BN  
Switch(config-vlan)#  
Switch(config-vlan)#  
Switch(config-vlan)#int fa0/2  
Switch(config-if)#switchport mode trunk
```

```
Switch(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
```

```
Switch(config-if)#int fa0/3  
Switch(config-if)#switchport mode access  
Switch(config-if)#switchport access vlan 35  
Switch(config-if)#
```

Switch con0 is now available

Press RETURN to get started.

```
Switch>
Switch>en
Switch#confi t
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#
Switch(config)#
Switch(config)#int fa0/4
Switch(config-if)#switchport mode trunk
Switch(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/4, changed state to up
```

SW3

```
Switch>
Switch>
Switch>en
Switch#confi t
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#
Switch(config)#
Switch(config)#int fa0/3
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 10
% Access VLAN does not exist. Creating vlan 10
Switch(config-if)#vlan 10
Switch(config-vlan)#name CN
Switch(config-vlan)#vlan 20
Switch(config-vlan)#name BN
Switch(config-vlan)#int fa0/3
Switch(config-if)#switchport access vlan 10
Switch(config-if)#int fa0/2
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 35
% Access VLAN does not exist. Creating vlan 35
Switch(config-if)#vlan 35
Switch(config-vlan)#name BN
VLAN #20 and #35 have an identical name: BN
Switch(config-vlan)#no vlan 20
Switch(config)#vlan 35
Switch(config-vlan)#name BN
Switch(config-vlan)#
Switch(config-vlan)#
Switch(config-vlan)#int fa0/2
```

```
Switch(config-if)#switchport access vlan 35
Switch(config-if)#
```

Router

```
Router>en
Router#confi t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#
Router(config)#
Router(config)#int fa0/0
Router(config-if)#no shutdown
```

```
Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up
```

```
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
```

```
Router(config-if)#
Router(config-if)#interface fa0/0.35
Router(config-subif)#
%LINK-5-CHANGED: Interface FastEthernet0/0.35, changed state to up
```

```
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0.35, changed state to up
```

```
Router(config-subif)#encapsulation dot1q 35
Router(config-subif)#ip address 192.168.2.254
% Incomplete command.
Router(config-subif)#ip address 192.168.2.254 255.255.255.0
Router(config-subif)#
Router(config-subif)#
Router(config-subif)#interface fa0/0.1
Router(config-subif)#
%LINK-5-CHANGED: Interface FastEthernet0/0.1, changed state to up
```

```
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0.1, changed state to up
```

```
Router(config-subif)#encapsulation dot1q 1
Router(config-subif)#ip add 192.168.3.254 255.255.255.0
Router(config-subif)#
Router(config-subif)#int fa0/0.100
Router(config-subif)#
%LINK-5-CHANGED: Interface FastEthernet0/0.100, changed state to up
```

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0.100, changed state to up

Router(config-subif)#encapsulation dot1q 10

Router(config-subif)#ip add 192.168.1.254 255.255.255.0

Router(config-subif)#