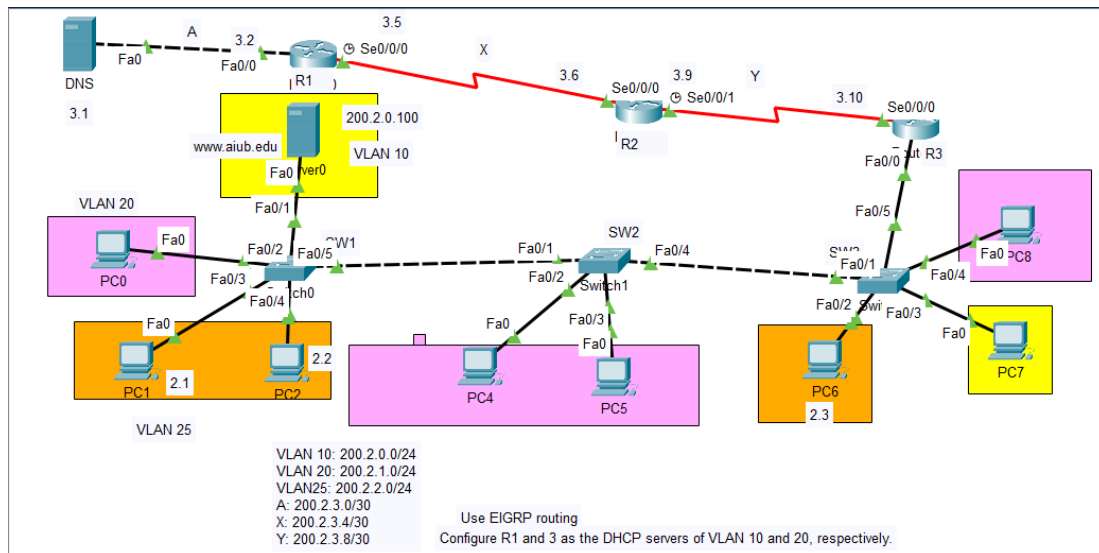


Final Lab Performance



```
SW1(config)#vlan 10
SW1(config-vlan)#name A
SW1(config-vlan)#vlan 20
SW1(config-vlan)#name B
SW1(config-vlan)#vlan 25
SW1(config-vlan)#name c
```

```
SW1(config-vlan)#int fa0/1
SW1(config-if)#switchport mode access
SW1(config-if)#switchport access vlan 10
SW1(config-if)#
SW1(config-if)#int fa0/2
SW1(config-if)#switchport mode access
SW1(config-if)#switchport access vlan 20
SW1(config-if)#
SW1(config-if)#int range fa0/3-4
SW1(config-if-range)#switchport mode access
SW1(config-if-range)#switchport access vlan 25
```

```
SW1(config-if-range)#int fa0/5
SW1(config-if)#switchport mode trunk
```

```
SW2(config)#vlan 10
SW2(config-vlan)#name A
SW2(config-vlan)#vlan 20
SW2(config-vlan)#name B
SW2(config-vlan)#vlan 25
SW2(config-vlan)#name C
SW2(config-vlan)#
SW2(config-vlan)#int range fa0/2-3
SW2(config-if-range)#switchport mode access
SW2(config-if-range)#switchport access vlan 20
SW2(config-if-range)#int fa0/4
SW2(config-if)#switchport mode trunk
```

```
SW3(config)#vlan 10
SW3(config-vlan)#name A
SW3(config-vlan)#vlan 20
SW3(config-vlan)#name B
SW3(config-vlan)#vlan 25
SW3(config-vlan)#name C
SW3(config-vlan)#
SW3(config-vlan)#int fa0/2
SW3(config-if)#switchport mode access
SW3(config-if)#switchport access vlan 25
SW3(config-if)#int fa0/3
SW3(config-if)#switchport mode access
SW3(config-if)#switchport access vlan 10
SW3(config-if)#int fa0/4
SW3(config-if)#switchport mode access
SW3(config-if)#switchport access vlan 20
```

ROAS configuration

```
SW3(config-if)#interface fa0/5
SW3(config-if)#switchport mode trunk

R3(config)#int fa0/0
R3(config-if)#no shutdown

R3(config-if)#int fa0/0.10
R3(config-subif)#encapsulation dot1q 10
R3(config-subif)#ip add 200.2.0.254 255.255.255.0
```

```
R3(config-subif)#int fa0/0.20
R3(config-subif)#encapsulation dot1q 20
R3(config-subif)#ip add 200.2.1.254 255.255.255.0
R3(config-subif)#int fa0/0.25
R3(config-subif)#encapsulation dot1q 25
R3(config-subif)#ip add 200.2.2.254 255.255.255.0
```

```
R3(config)#int s0/0/0
R3(config-if)#ip add 200.2.3.10 255.255.255.252
R3(config-if)#no shut
```

```
R2(config)#int s0/0/1
R2(config-if)#ip add 200.2.3.9 255.255.255.252
R2(config-if)#no shut
```

```
R2(config-if)#
R2(config-if)#int s0/0/0
R2(config-if)#ip add 200.2.3.6 255.255.255.252
R2(config-if)#no shut
```

```
R1(config)#int fa0/0
R1(config-if)#ip add 200.2.3.2 255.255.255.252
R1(config-if)#no shut
```

```
R1(config-if)#int s0/0/0
R1(config-if)#ip add 200.2.3.5 255.255.255.252
R1(config-if)#clock rate 64000
R1(config-if)#no shut
```

Routing

```
R1(config)#router eigrp 20
R1(config-router)#no auto-summary
R1(config-router)#net 200.2.3.0 255.255.255.252
R1(config-router)#net 200.2.3.4 255.255.255.252
```

```
R2(config)#router eigrp 20
R2(config-router)#no auto-summary
R2(config-router)#network 200.2.3.4 255.255.255.252
R2(config-router)#network 200.2.3.8 255.255.255.252
```

```
R3(config)#router eigrp 20
R3(config-router)#no auto-summary
R3(config-router)#network 200.2.0.0 255.255.255.0
R3(config-router)#network 200.2.1.0 255.255.255.0
R3(config-router)#network 200.2.2.0 255.255.255.0
R3(config-router)#network 200.2.3.8 255.255.255.252
```

DHCP for VLAN20 at R3

```
R3(config)#ip dhcp pool VLAN20
R3(dhcp-config)#network 200.2.1.0 255.255.255.0
R3(dhcp-config)#default-router 200.2.1.254
R3(dhcp-config)#dns-server 200.2.3.1
```

DHCP for VLAN 10 at R1

```
R1(config)#ip dhcp pool VLAN10xx
R1(dhcp-config)#network 200.2.0.0 255.255.255.0
R1(dhcp-config)#default-router 200.2.0.254
R1(dhcp-config)#dns-server 200.2.3.1
R1(dhcp-config)#ip dhcp excluded-address 200.2.0.200
```

```
R3(config)#int fa0/0.10
R3(config-subif)#ip helper-address 200.2.3.5
```

DNS

PhysicalConfigServicesDesktopProgrammingAttributes

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.aiub.edu	A Record	200.2.0.100

DNS Cache

Top

Windows Search

Taskbar Icons

System Tray

Type here to search

10:54 AM
06-Dec-22