

Switch-A (left)

**Set Hostname and Passwords**

Switch>en

Switch#config t

Switch(config)#hostname ECE\_A

ECE\_A(config)#line console 0

ECE\_A(config-line)#password ompg

ECE\_A(config-line)#login

ECE\_A(config-line)#exit

ECE\_A(config)#enable secret ompg\_ece

**Configure VLANs**

**Create VLANs**:

ECE\_A(config)#vlan 10

ECE\_A(config-vlan)#name green

ECE\_A(config-vlan)#exit

ECE\_A(config)#vlan 20

ECE\_A(config-vlan)#name yellow

ECE\_A(config-vlan)#exit

**Assign Ports to VLANs**:

ECE\_A(config)#int fa0/1

ECE\_A(config-if)#switchport mode access

ECE\_A(config-if)#switchport access vlan 10

ECE\_A(config-if)#exit

ECE\_A(config)#int fa0/2

ECE\_A(config-if)#switchport mode access

ECE\_A(config-if)#switchport access vlan 20

ECE\_A(config-if)#exit

**Configure Trunking on the Interface**

ECE\_A(config)#int fa0/3

ECE\_A(config-if)#switchport mode trunk

**Set Allowed VLANs**

ECE\_A(config-if)#switchport trunk allowed vlan 10,20

ECE\_A(config-if)#exit

ECE\_A(config)#exit

**Verify Trunk Configuration**

ECE\_A#sh int trunk

ECE\_A#show vlan brief

ECE\_A#sh int status

**Switch-B**

**Set Hostname and Passwords**

Switch>en

Switch#config t

Switch(config)#hostname ECE\_B

ECE\_B(config)#line console 0

ECE\_B(config-line)#password ompg

ECE\_B(config-line)#login

ECE\_B(config-line)#exit

ECE\_B(config)#enable secret ompg\_ece

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**Configure VLANs**

**Create VLANs**:

ECE\_B(config)#vlan 20

ECE\_B(config-vlan)#name yellow

ECE\_B(config-vlan)#exit

ECE\_B(config)#vlan 10

ECE\_B(config-vlan)#name green

ECE\_B(config-vlan)#exit

**Assign Ports to VLANs**:

ECE\_B(config)#int fa0/4

ECE\_B(config-if)#switchport mode access

ECE\_B(config-if)#switchport access vlan 10

ECE\_B(config-if)#exit

ECE\_B(config)#int range fa0/2-3

ECE\_B(config-if-range)#switchport mode access

ECE\_B(config-if-range)#switchport access vlan 20

ECE\_B(config-if-range)#exit

**Configure Trunking on the Interface**

ECE\_B(config)#int fa0/1

ECE\_B(config-if)#switchport mode trunk

**Set Allowed VLANs**

ECE\_B(config-if)#switchport trunk allowed vlan 10,20

ECE\_B(config-if)#exit

**Verify Trunk Configuration**

ECE\_B#show interface trunk