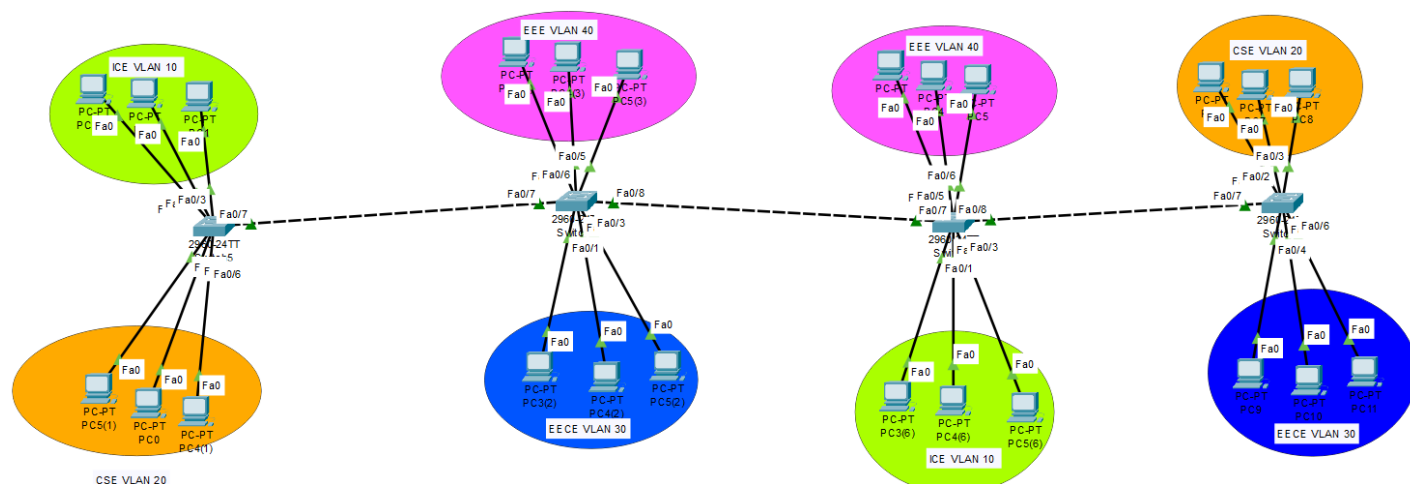


VLAN for 4 switch:



Switch 1 CLI

```
Switch>en
Switch#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#vlan 10
Switch(config-vlan)#name ICE
Switch(config-vlan)#exit
Switch(config)#vlan 20
Switch(config-vlan)#name CSE
Switch(config-vlan)#exit
Switch(config)#interface range fastethernet 0/1-3
Switch(config-if-range)#switchport mode access
Switch(config-if-range)#switchport access vlan 10
Switch(config-if-range)#exit
Switch(config)#interface range fastethernet 0/4-6
Switch(config-if-range)#switchport mode access
Switch(config-if-range)#switchport access vlan 20
Switch(config-if-range)#exit
Switch(config)#interface fastethernet 0/7
Switch(config-if)#switchport mode trunk

Switch(config-if)#switchport trunk allowed vlan 10,20,30,40
Switch(config-if)#exit
Switch(config)#end
Switch#wr
Building configuration...
[OK]
Switch#
```

Switch 2

```
Switch>en
Switch#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#vlan 30
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/7, changed state to down
```

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/7, changed state to up

```
Switch(config-vlan)#name EECE
Switch(config-vlan)#exit
Switch(config)#vlan 40
Switch(config-vlan)#name EEE
Switch(config-vlan)#exit
Switch(config)#interface range fastethernet 0/1-3
Switch(config-if-range)#switchport mode access
Switch(config-if-range)#switchport access vlan 30
Switch(config-if-range)#exit
Switch(config)#interface range fastethernet 0/4-6
Switch(config-if-range)#switchport mode access
Switch(config-if-range)#switchport access vlan 40
Switch(config-if-range)#exit
Switch(config)#interface fastethernet 0/7
Switch(config-if)#switchport mode trunk
Switch(config-if)#switchport trunk allowed vlan 10,20,30,40
Switch(config-if)#exit
Switch(config)#interface fastethernet 0/8
Switch(config-if)#switchport mode trunk
```

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

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/8, changed state to down

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/8, changed state to up

```
Switch(config-if)#switchport trunk allowed vlan 10,20,30,40
Switch(config-if)#exit
Switch(config)#end
Switch#
%SYS-5-CONFIG_I: Configured from console by console
wr
Building configuration...
[OK]
Switch#
```

Switch 3

```
Switch>
Switch>en
Switch#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#v
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/7, changed state to down

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/7, changed state to up

% Ambiguous command: "v"
Switch(config)#vlan 10
Switch(config-vlan)#name ICE
Switch(config-vlan)#exit
Switch(config)#vlan 40
Switch(config-vlan)#name EEE
Switch(config-vlan)#exit
Switch(config)#interface range fastethernet 0/1-3
Switch(config-if-range)#switchport mode access
Switch(config-if-range)#
Switch(config-if-range)#switchport access vlan 10
Switch(config-if-range)#exit
```

```

Switch(config)#interface range fastethernet 0/4-6
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 40
Switch(config-if)#exit
Switch(config)#interface fastethernet 0/7
Switch(config-if)#switchport mode trunk
Switch(config-if)#switchport trunk allowed vlan 10,20,30,40
Switch(config-if)#exit
Switch(config)#interface fastethernet 0/8
Switch(config-if)#switchport mode trunk

Switch(config-if)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/8, changed state to down

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/8, changed state to up

Switch(config-if)#switchport trunk allowed vlan 10,20,30,40
Switch(config-if)#exit
Switch(config)#end
Switch#
%SYS-5-CONFIG_I: Configured from console by console

Switch#wr
Building configuration...
[OK]
Switch#

```

Switch 4

```

Switch>en
Switch#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/7, changed state to down

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/7, changed state to up

Switch(config)#vlan 20
Switch(config-vlan)#name CSE
Switch(config-vlan)#exit
Switch(config)#vlan 30
Switch(config-vlan)#name EECE
Switch(config-vlan)#exit
Switch(config)#interface range fastethernet 0/1-3
Switch(config-if-range)#switchport mode access
Switch(config-if-range)#switchport access vlan 20
Switch(config-if-range)#exit
Switch(config)#interface range fastethernet 0/4-6
Switch(config-if-range)#switchport mode access
Switch(config-if-range)#switchport access vlan 30
Switch(config-if-range)#exit
Switch(config)#interface fastethernet 0/7
Switch(config-if)#switchport mode trunk
Switch(config-if)#switchport trunk allowed vlan 10,20,30,40
Switch(config-if)#exit
Switch(config)#end
Switch#
%SYS-5-CONFIG_I: Configured from console by console

Switch#wr

```

Building configuration...

[OK]

Switch#