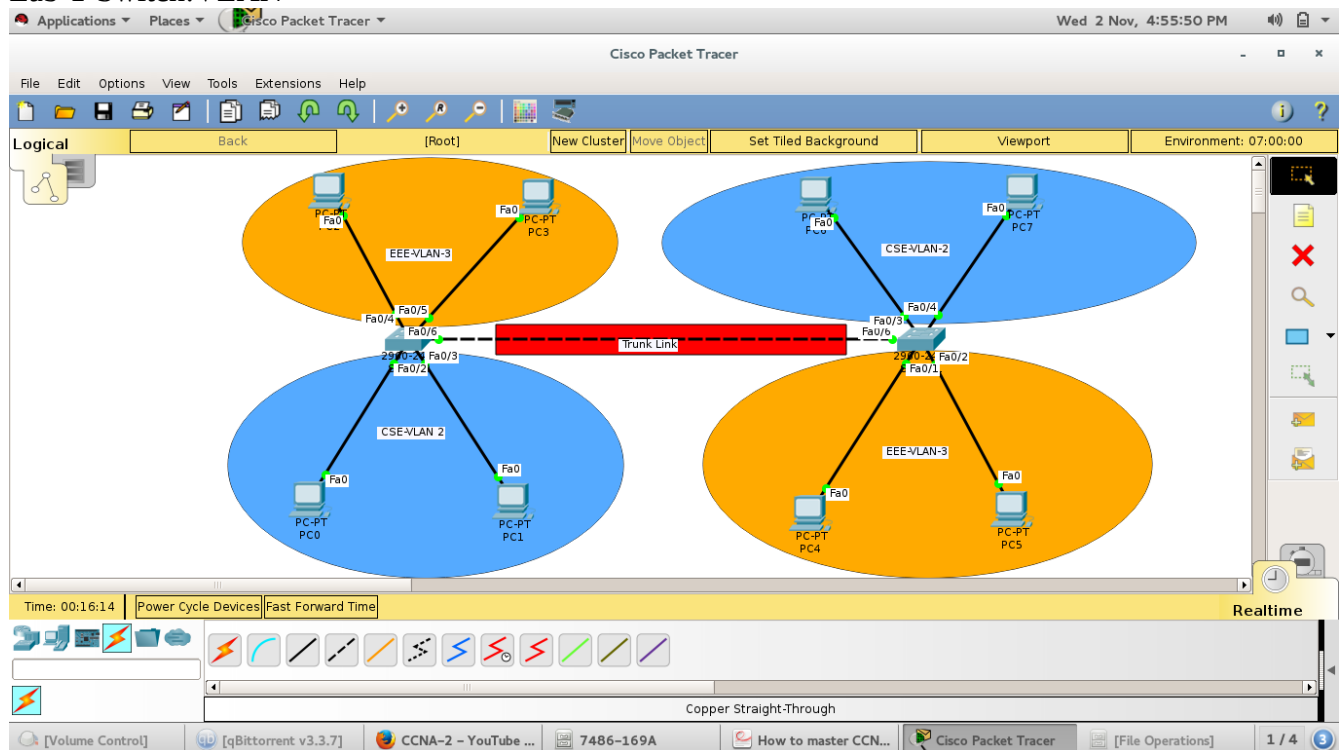


Lab-4

Lab-1-Switch:VLAN



```
Switch>en
```

```
Switch#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
2 CSE	active	
3 EEE	active	
1002 fddi-default	active	
1003 token-ring-default	active	
1004 fddinet-default	active	
1005 trnet-default	active	

```
Switch#conf t
```

Enter configuration commands, one per line. End with CNTL/Z.

```
Switch(config)#vlan 2
```

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

```
Switch(config-vlan)#vlan 3
```

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

```
Switch(config-vlan)#int fa0/2
```

```

Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 2
Switch(config-if)#int fa0/3
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 2
Switch(config-if)#interface range fa0/4-5
Switch(config-if-range)#switchport mode access
Switch(config-if-range)#switchport access vlan 3
Switch(config-if-range)#exit
Switch(config)#exit
Switch#
%SYS-5-CONFIG_I: Configured from console by console

```

```
Switch#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
2 CSE	active	Fa0/2, Fa0/3
3 EEE	active	Fa0/4, Fa0/5
1002 fddi-default	active	
1003 token-ring-default	active	
1004 fddinet-default	active	
1005 trnet-default	active	

```

Switch#
Switch#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#int fa0/6
Switch(config-if)#switchport mode trunk

```

```

Switch(config-if)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/6, changed state to down

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/6, changed state to up

```

```

Switch#show interface trunk

```

Port	Mode	Encapsulation	Status	Native vlan
Fa0/6	on	802.1q	trunking	1


```

Port      Vlans allowed on trunk
Fa0/6     1-1005

```



```

Port      Vlans allowed and active in management domain

```

Fa0/6 1,2,3

Port Vlans in spanning tree forwarding state and not pruned

Fa0/6 1,2,3

Switch#

Switch 2

Switch>en

Switch#sh vlan

VLAN Name		Status	Ports
1	default	active	Fa0/1, Fa0/2, Fa0/3, Fa0/4 Fa0/5, 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
2	CSE	active	
3	EEE	active	
1002	fddi-default	active	
1003	token-ring-default	active	
1004	fddinet-default	active	
1005	trnet-default	active	

VLAN Type	SAID	MTU	Parent	RingNo	BridgeNo	Stp	BrdgMode	Trans1	Trans2
1	enet 100001	1500	-	-	-	-	-	0	0
2	enet 100002	1500	-	-	-	-	-	0	0
3	enet 100003	1500	-	-	-	-	-	0	0
1002	fddi 101002	1500	-	-	-	-	-	0	0
1003	tr 101003	1500	-	-	-	-	-	0	0
1004	fdnet 101004	1500	-	-	-	ieee	-	0	0
1005	trnet 101005	1500	-	-	-	ibm	-	0	0

Remote SPAN VLANs

Primary	Secondary	Type	Ports
---------	-----------	------	-------

Switch#

Switch#

Switch#conf t

Enter configuration commands, one per line. End with CNTL/Z.

Switch(config)#host S2

```

S2(config)#vlan 2
S2(config-vlan)#name CSE
S2(config-vlan)#vlan 3
S2(config-vlan)#name EEE
S2(config-vlan)#int range fa0/3-4
S2(config-if-range)#switchport mode access
S2(config-if-range)#switchport access vlan 2
S2(config-if-range)#int range fa0/1-2
S2(config-if-range)#switchport mode access
S2(config-if-range)#switchport access vlan 3
S2(config-if-range)#int fa0/6
S2(config-if)#switchport mode trunk
S2(config-if)#do sh vlan br

```

VLAN Name	Status	Ports
1 default	active	Fa0/5, 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
2 CSE	active	Fa0/3, Fa0/4
3 EEE	active	Fa0/1, Fa0/2
1002 fddi-default	active	
1003 token-ring-default	active	
1004 fddinet-default	active	
1005 trnet-default	active	
S2(config-if)#do sh int trunk		
Port	Mode	Encapsulation Status Native vlan
Fa0/6	on	802.1q trunking 1
Port	Vlans allowed on trunk	
Fa0/6	1-1005	
Port	Vlans allowed and active in management domain	
Fa0/6	1,2,3	
Port	Vlans in spanning tree forwarding state and not pruned	
Fa0/6	1,2,3	

```

S2(config-if)#

```