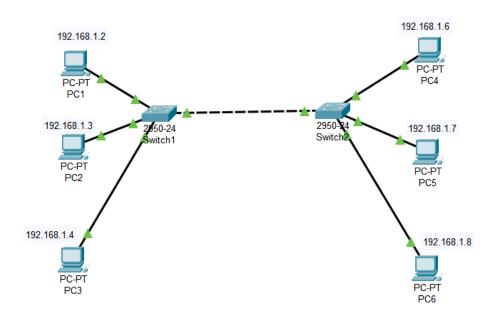
CO 223 - Lab04

E/19/166 Jayathunga W.W.K.

Introduction to VLAN



4.

SWITCH 1

	Vlans allowed on trunk 2-4			
140, 1				
Port Vlans allowed and active in management domain				
Fa0/1		2,3		
Port	Vlans in spanning	tree forwarding s	state and not pruned	
Fa0/1	2,3	2,3		
Switc	ch#show vlan brief			
VLAN	Name	Status	Ports	
			-	
		-		
1	default	active	Fa0/5, Fa0/6, Fa0/7, Fa0/8	
			Fa0/9, Fa0/10, Fa0/11, Fa0/12	
Fa0/1	16		Fa0/13, Fa0/14, Fa0/15,	
rau/I	16		E-0/17 E-0/10 E-0/10	
Fa0/2	30		Fa0/17, Fa0/18, Fa0/19,	
FaU/2	20		Fa0/21, Fa0/22, Fa0/23,	
Fa0/2	24		rau/21, rau/22, rau/23,	
	VLAN2	active	Fa0/2, Fa0/3	
_	VLAN3	active	The state of the s	
	fddi-default	active		
1003	token-ring-default	active		
1004	fddinet-default	active		
1005	trnet-default	active		
Switc	ch#			

SWITCH 2

```
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config) #interface FastEthernet0/2
Switch(config-if)#
Switch(config-if) #exit
Switch(config) #interface FastEthernet0/1
Switch(config-if) #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
                                           Fa0/5, 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
2 VLAN2
3 VLAN3
                                   active
                                             Fa0/4
                                           Fa0/2, Fa0/3
                                   active
1002 fddi-default
                                   active
1003 token-ring-default
                                   active
1004 fddinet-default
                                   active
1005 trnet-default
                                   active
Switch#
```

5. PC1 → PC2

```
Physical Config Desktop Programming Attributes

Command Prompt

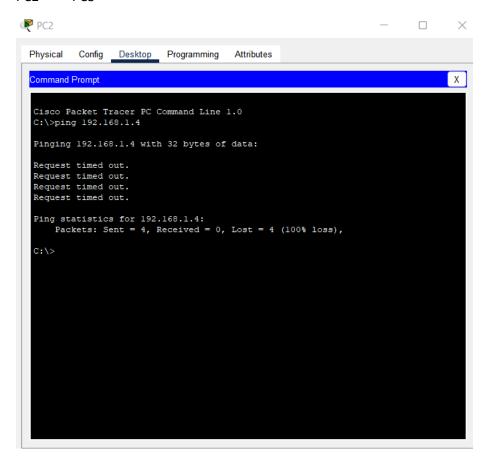
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.1.3 with 32 bytes of data:

Reply from 192.168.1.3: bytes=32 time<lms TTL=128
Reply from 192.163.1.3: bytes=32 time<lms TTL=128
Reply from 192.163.1.3: bytes=32 time<lms TTL=128
Reply from 192.163.1.3: bytes=32 time<lms TTL=128
Ping statistics for 192.163.1.3:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = Oms, Maximum = Oms, Average = Oms

C:\>
```

PC2──PC3



When try to ping between pc1 and pc2, since both computers has the same VLAN it is possible to do.

But when try to ping between pc2 and pc3, it is not possible to do because pc2 belongs to VLAN2 and pc3 belongs to VLAN3.

6) two switches are connected using copper cross over cable. In switch 1 and switch 2 fast Ethernet port1 is connected to each other and switchport mode is trunk.