

TUGAS 3 PERANCANGAN SISTEM JARINGAN KOMPUTER BASIC VTP CONFIGURATION

Disusun Guna Memenuhi Tugas Perancangan Jaringan Komputer
Semester VI

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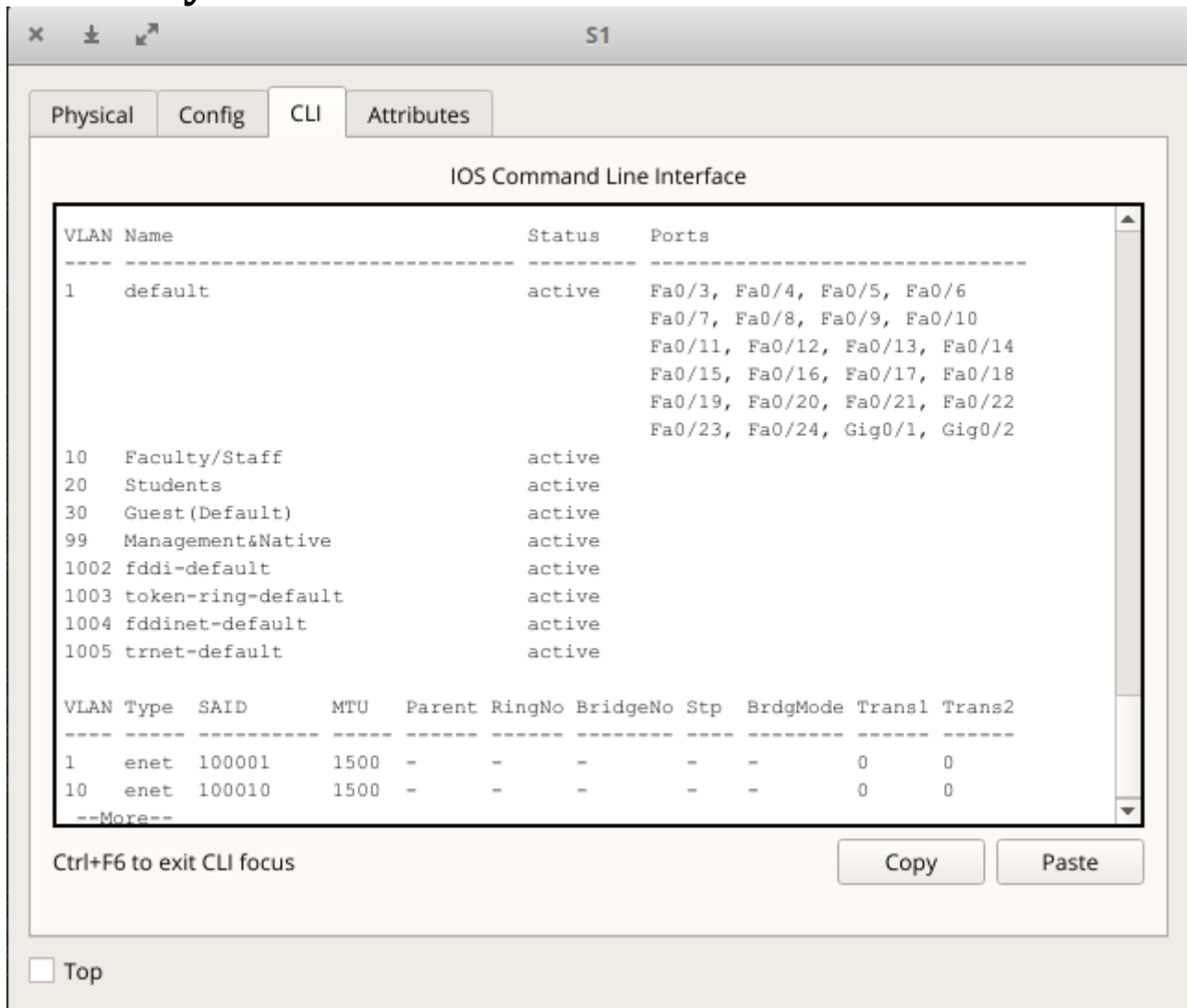


Oleh:

REINALDI PRASETYA
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Verify that the VLANs have been created on S1.



The screenshot shows the CLI interface of a switch named S1. The 'CLI' tab is selected, and the 'IOS Command Line Interface' window displays the output of the 'show vlan' command. The output is divided into two sections: a summary table and a detailed table.

VLAN Summary Table:

VLAN	Name	Status	Ports
1	default	active	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
10	Faculty/Staff	active	
20	Students	active	
30	Guest (Default)	active	
99	Management&Native	active	
1002	fddi-default	active	
1003	token-ring-default	active	
1004	fddinet-default	active	
1005	trnet-default	active	

VLAN Detailed Table:

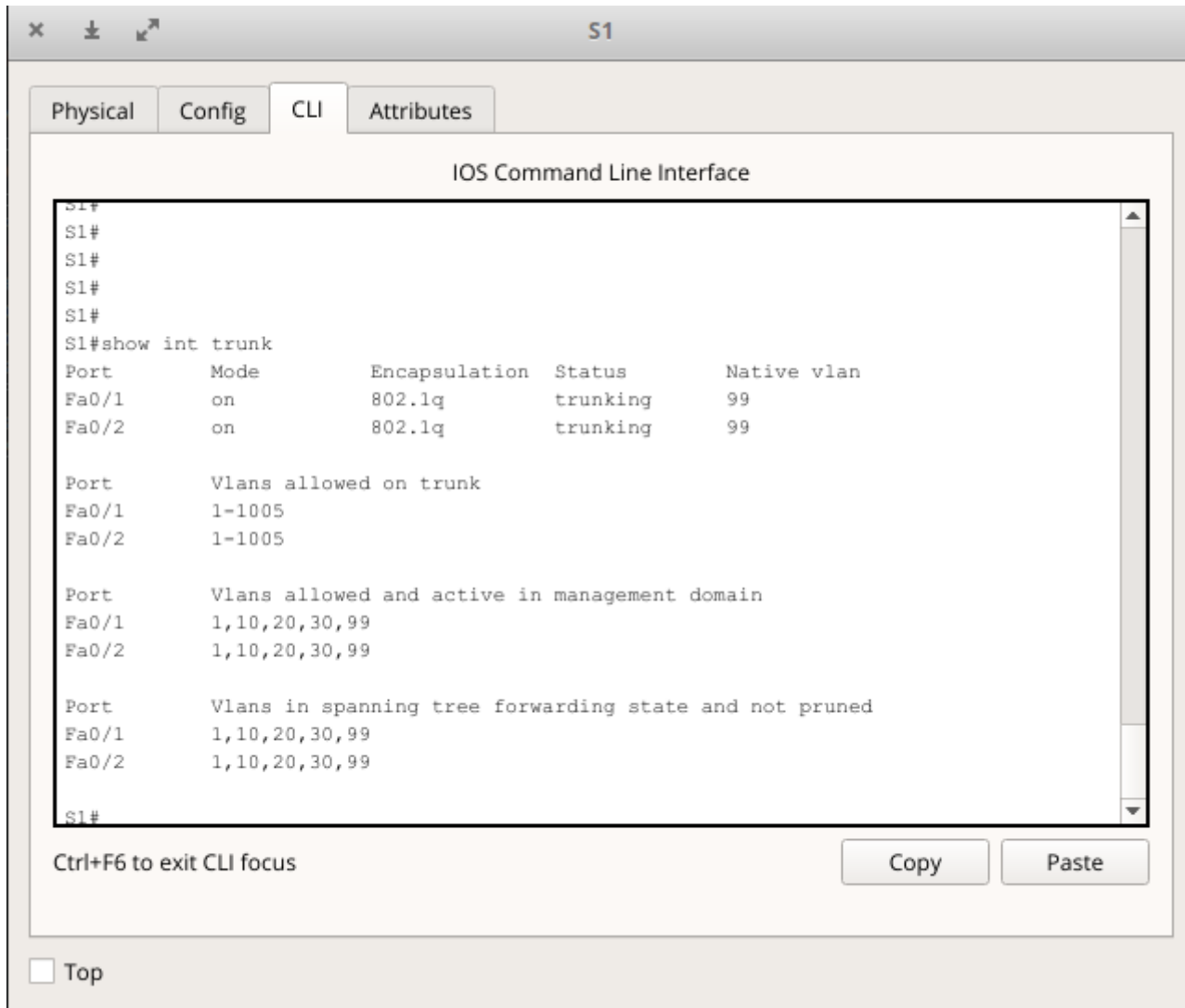
VLAN	Type	SAID	MTU	Parent	RingNo	BridgeNo	Stp	BrdgMode	Trans1	Trans2
1	enet	100001	1500	-	-	-	-	-	0	0
10	enet	100010	1500	-	-	-	-	-	0	0

Ctrl+F6 to exit CLI focus

Copy Paste

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show interface trunk



The screenshot shows a network simulator window titled "S1". It has four tabs: "Physical", "Config", "CLI", and "Attributes". The "CLI" tab is active, displaying the "IOS Command Line Interface". The CLI shows the following commands and output:

```
S1#  
S1#  
S1#  
S1#  
S1#show int trunk
```

Port	Mode	Encapsulation	Status	Native vlan
Fa0/1	on	802.1q	trunking	99
Fa0/2	on	802.1q	trunking	99

Port	Vlans allowed on trunk
Fa0/1	1-1005
Fa0/2	1-1005

Port	Vlans allowed and active in management domain
Fa0/1	1,10,20,30,99
Fa0/2	1,10,20,30,99

Port	Vlans in spanning tree forwarding state and not pruned
Fa0/1	1,10,20,30,99
Fa0/2	1,10,20,30,99

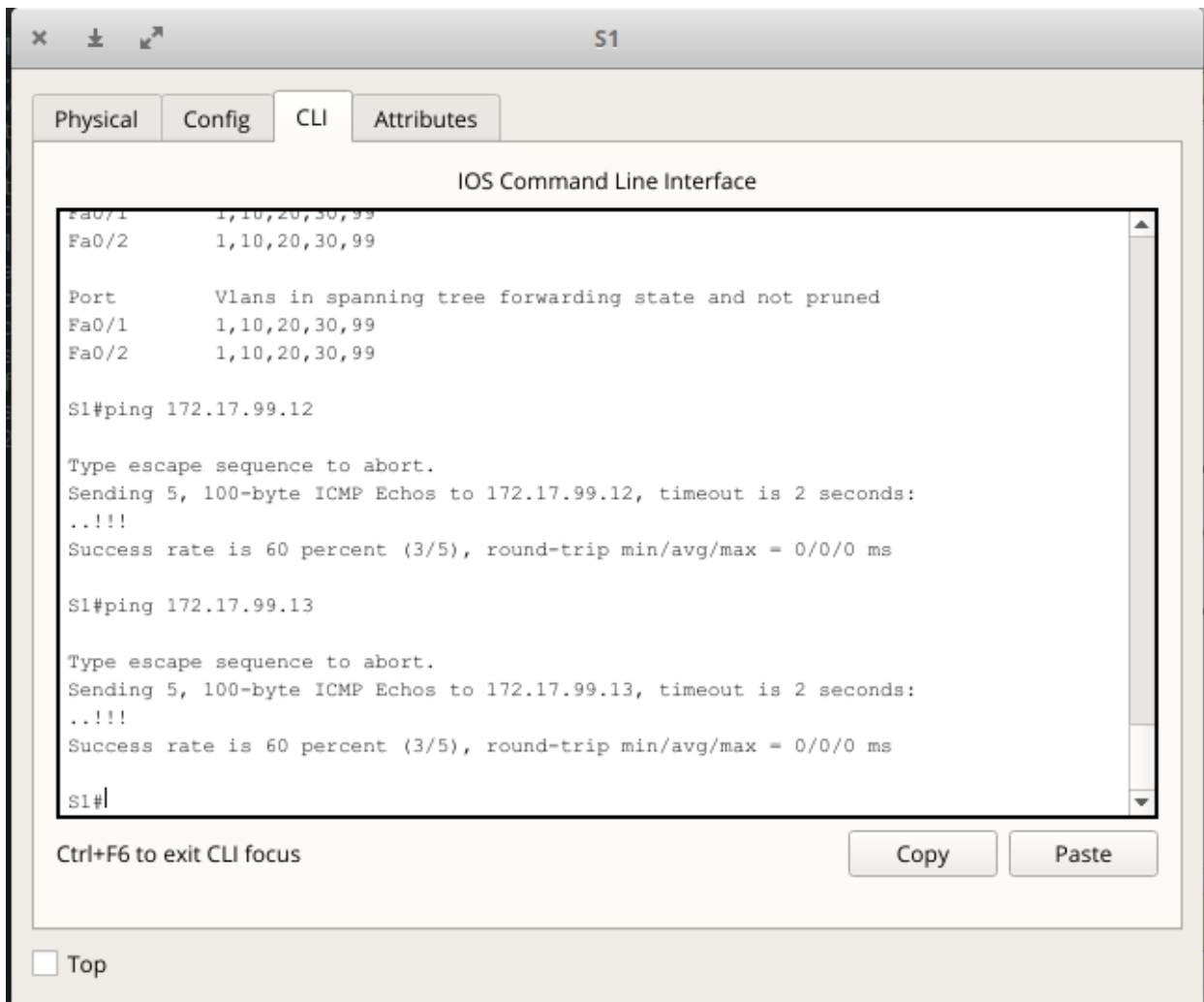
S1#

Ctrl+F6 to exit CLI focus

Copy Paste

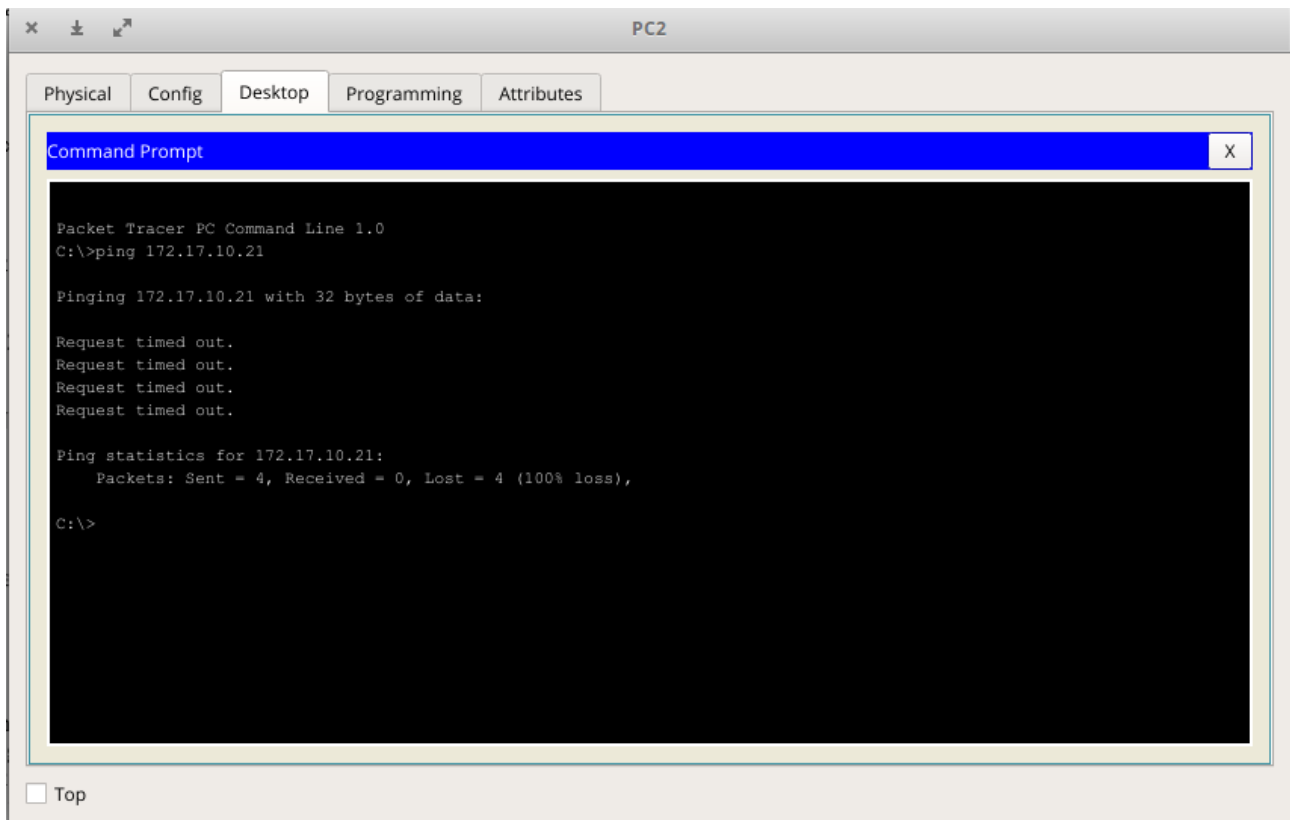
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Verify that the switches can communicate.

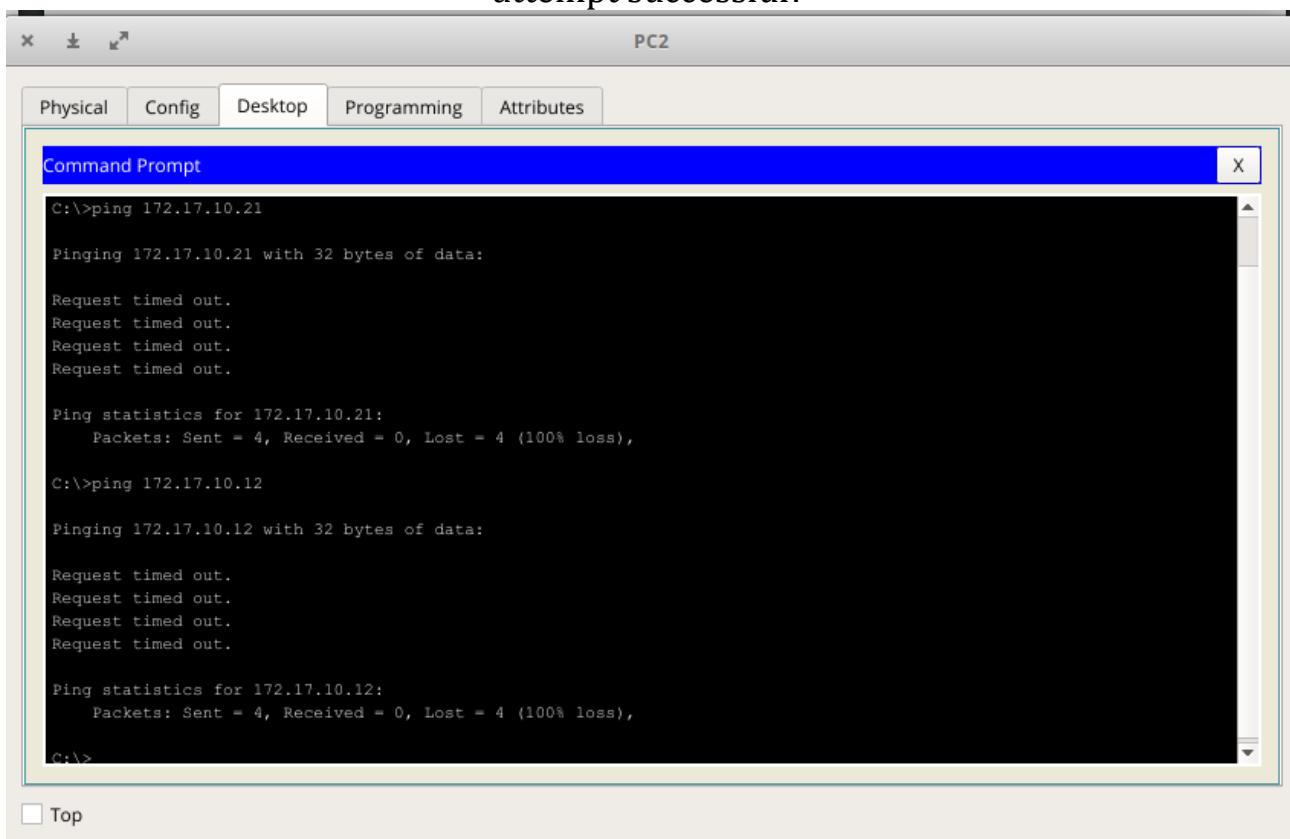


Ping several hosts from PC2.

Ping from host PC2 to host PC1 (172.17.10.21). Is the ping attempt successful?



Ping from host PC2 to the switch VLAN 99 IP address 172.17.99.12. Is the ping attempt successful?



Ping from host PC2 to host PC5. Is the ping attempt successful?

```
Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>ping 172.17.20.25

Pinging 172.17.20.25 with 32 bytes of data:

Reply from 172.17.20.25: bytes=32 time=11ms TTL=128
Reply from 172.17.20.25: bytes=32 time=1ms TTL=128
Reply from 172.17.20.25: bytes=32 time<1ms TTL=128
Reply from 172.17.20.25: bytes=32 time<1ms TTL=128

Ping statistics for 172.17.20.25:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 11ms, Average = 3ms

C:\>
```

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Change the IP address and network on PC1.

```
C:\>ping 172.17.20.21

Pinging 172.17.20.21 with 32 bytes of data:

Reply from 172.17.20.21: bytes=32 time=1ms TTL=128
Reply from 172.17.20.21: bytes=32 time<1ms TTL=128
Reply from 172.17.20.21: bytes=32 time<1ms TTL=128
Reply from 172.17.20.21: bytes=32 time=1ms TTL=128

Ping statistics for 172.17.20.21:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\>
```

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Is the ping attempt successful? successful

Why was this attempt successful? Change the ip address to 172.17.20.21