LAB – 5 & 6

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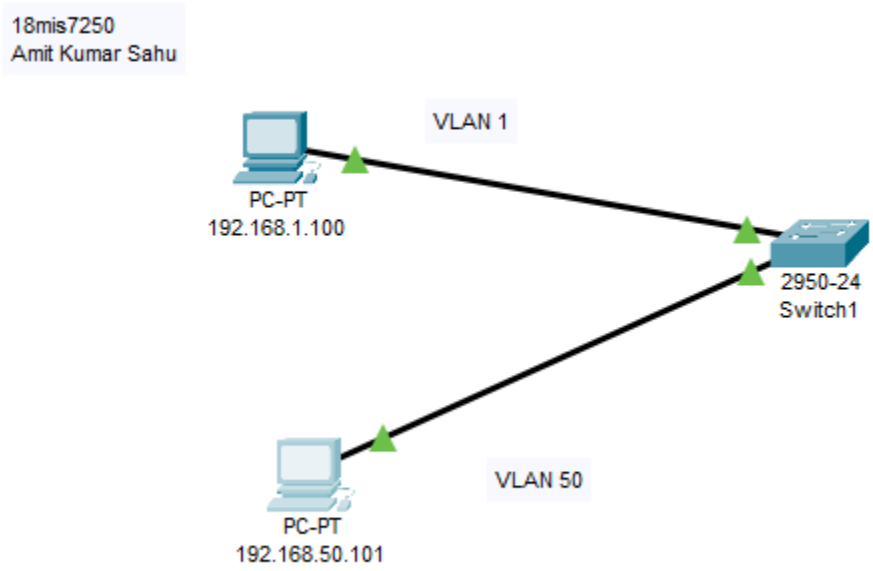
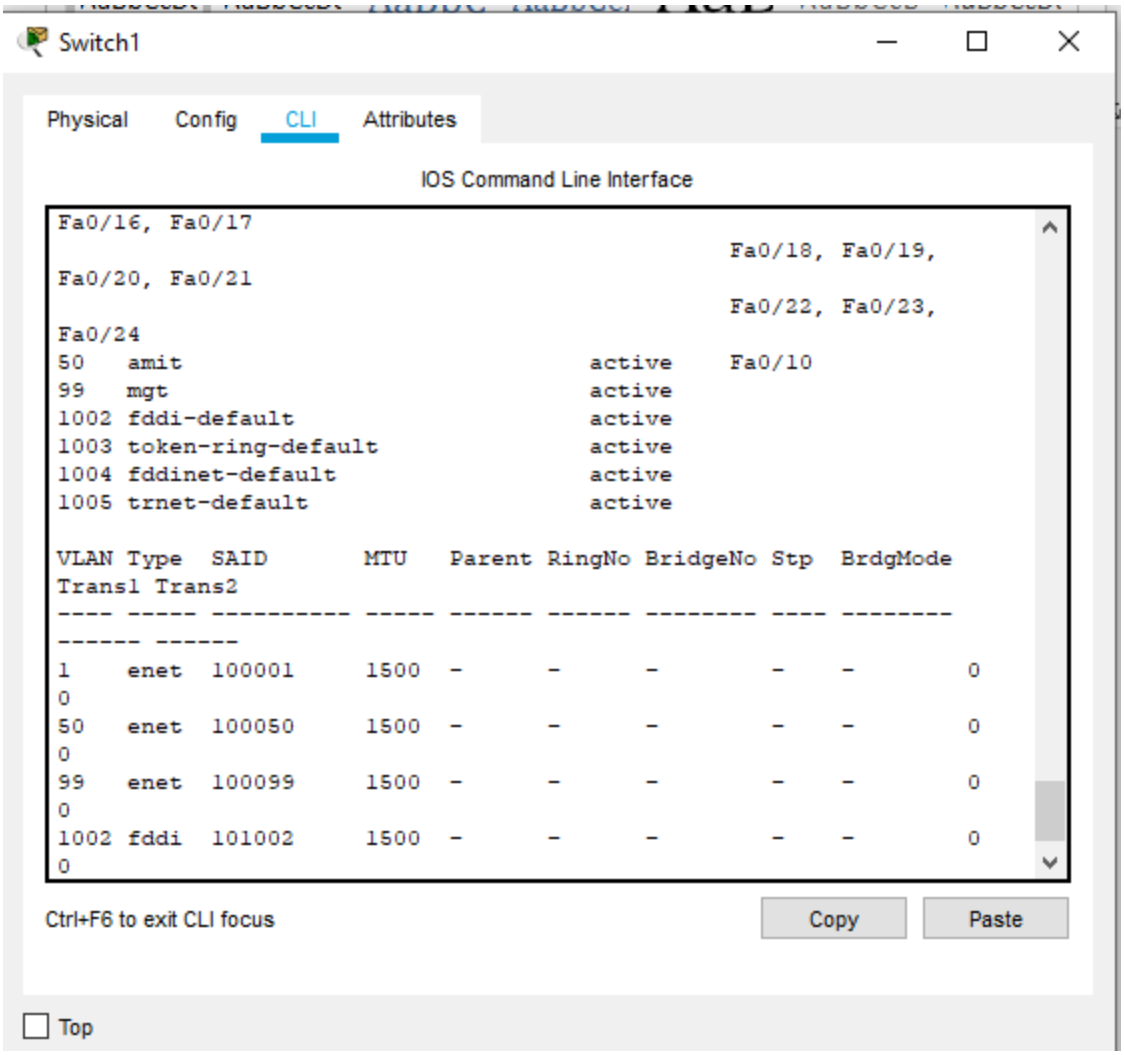
Reg. No.: 18mis7250

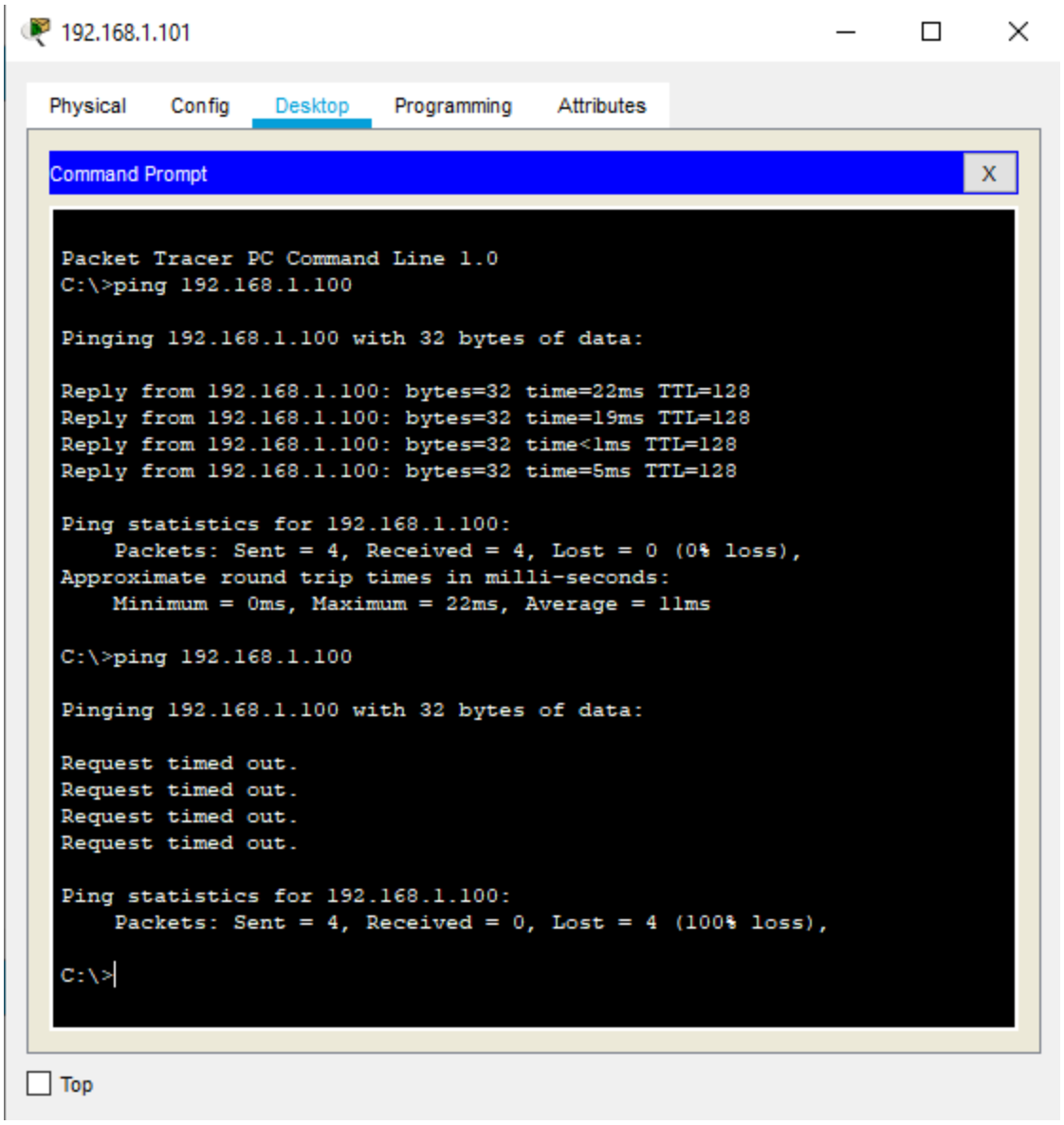
VLANS AND TRUNKS



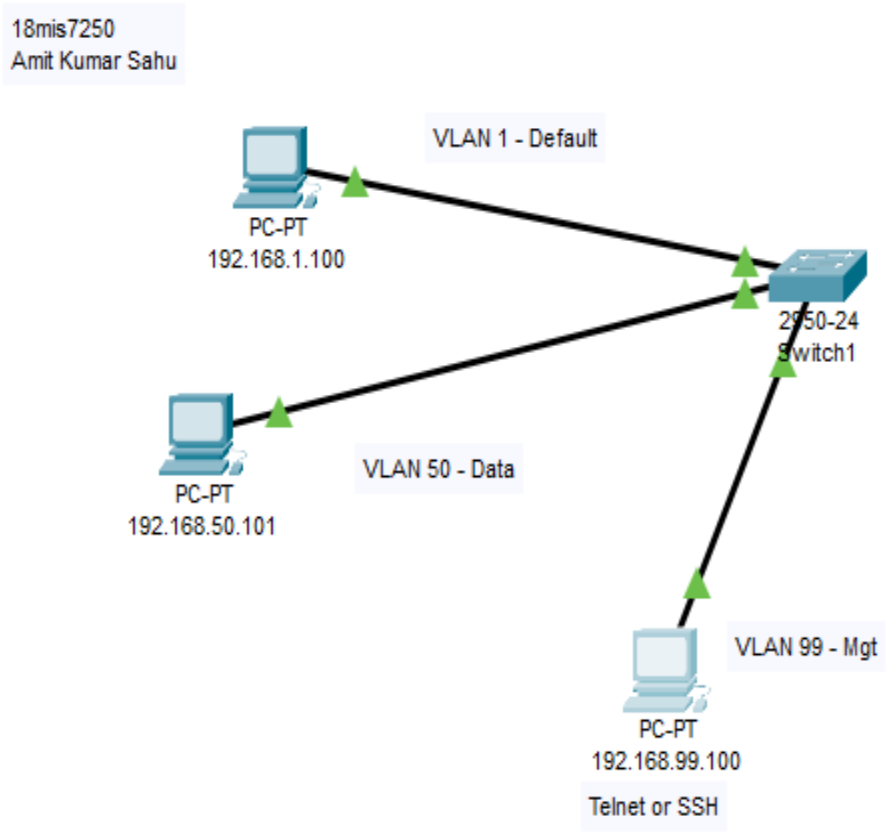
Configuring via terminal:

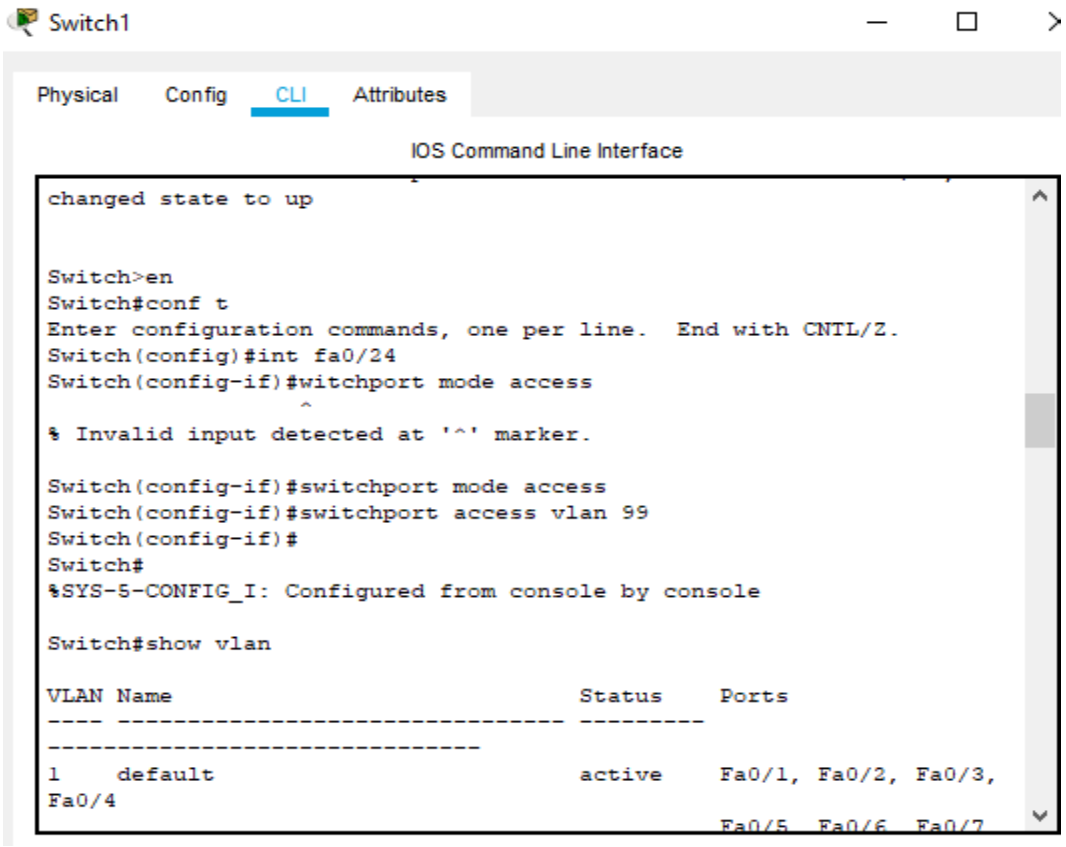


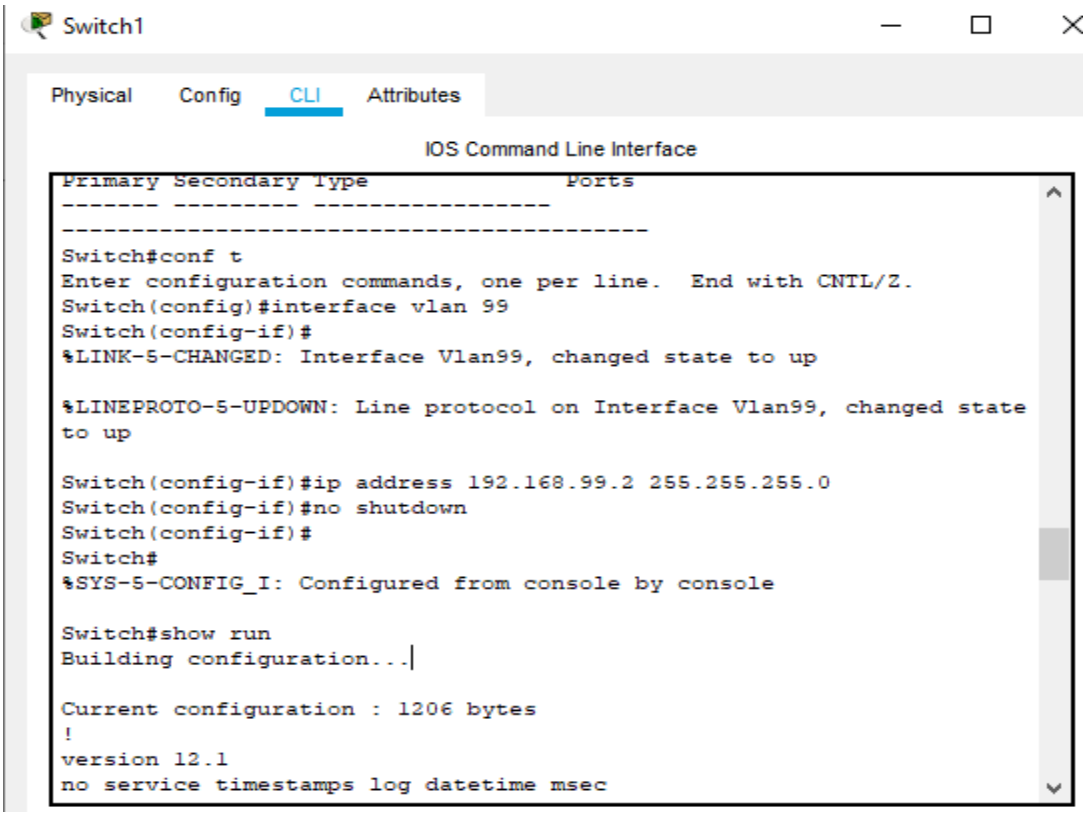
Checking by pinging device:


192.168.1.101
Physical
Config
Desktop
Programming
Attributes
Command Prompt
X
Packet Tracer PC Command Line 1.0
C:\>ping 192.168.1.100
Pinging 192.168.1.100 with 32 bytes of data:
Reply from 192.168.1.100: bytes=32 time=22ms TTL=128
Reply from 192.168.1.100: bytes=32 time=19ms TTL=128
Reply from 192.168.1.100: bytes=32 time<1ms TTL=128
Reply from 192.168.1.100: bytes=32 time=5ms TTL=128
Ping statistics for 192.168.1.100:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 22ms, Average = 11ms
C:\>ping 192.168.1.100
Pinging 192.168.1.100 with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.
Ping statistics for 192.168.1.100:
Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
C:\>
Top

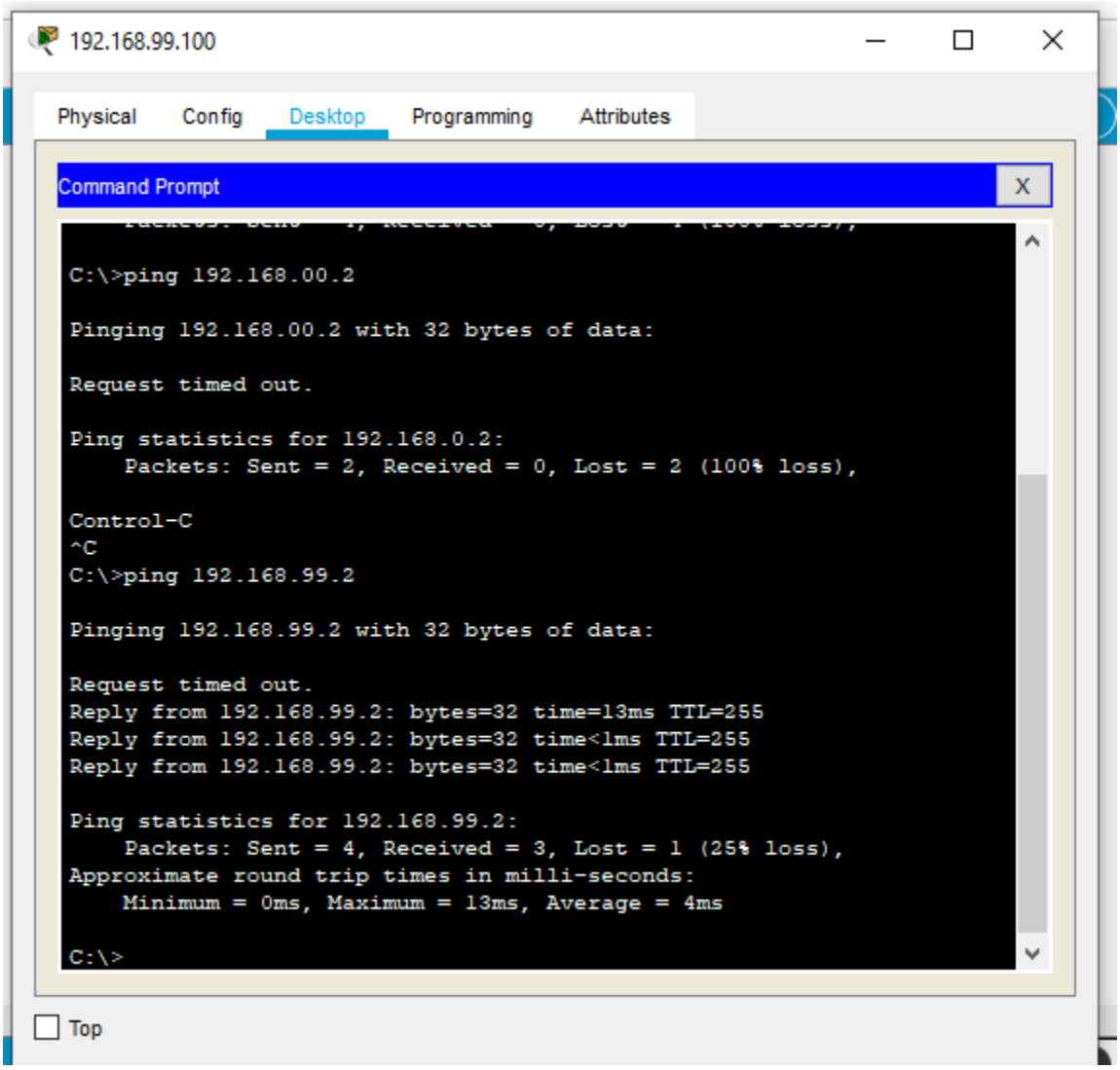
Configuring vlan 99 mgt



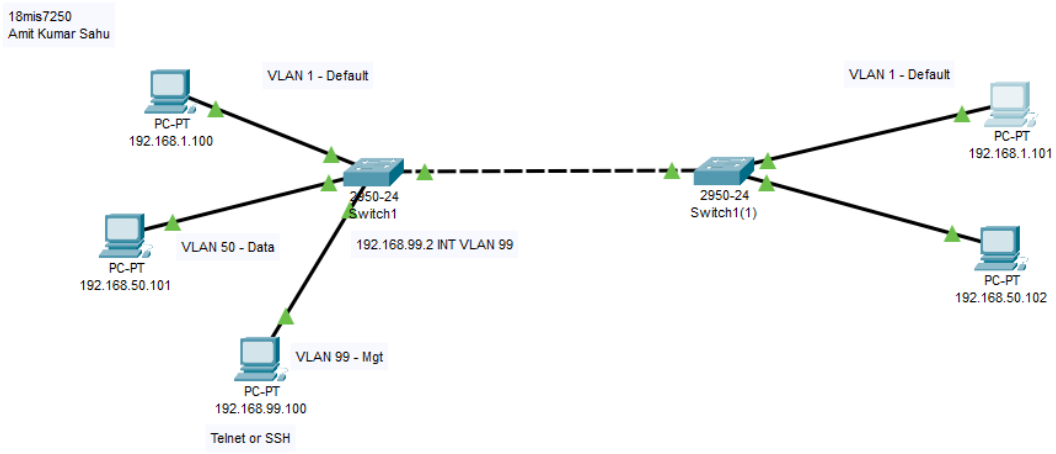

Switch1
Physical
Config
CLI
Attributes
IOS Command Line Interface
changed state to up
Switch>en
Switch#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#int fa0/24
Switch(config-if)#witchport mode access
% Invalid input detected at '^' marker.
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 99
Switch(config-if)#
Switch#
%SYS-5-CONFIG_I: Configured from console by console
Switch#show vlan
VLAN Name Status Ports
1 default active Fa0/1, Fa0/2, Fa0/3,
Fa0/4


Switch1
Physical
Config
CLI
Attributes
IOS Command Line Interface
Primary Secondary Type Ports
Switch#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#interface vlan 99
Switch(config-if)#
%LINK-5-CHANGED: Interface Vlan99, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Vlan99, changed state
to up
Switch(config-if)#ip address 192.168.99.2 255.255.255.0
Switch(config-if)#no shutdown
Switch(config-if)#
Switch#
%SYS-5-CONFIG_I: Configured from console by console
Switch#show run
Building configuration...
Current configuration : 1206 bytes
!
version 12.1
no service timestamps log datetime msec

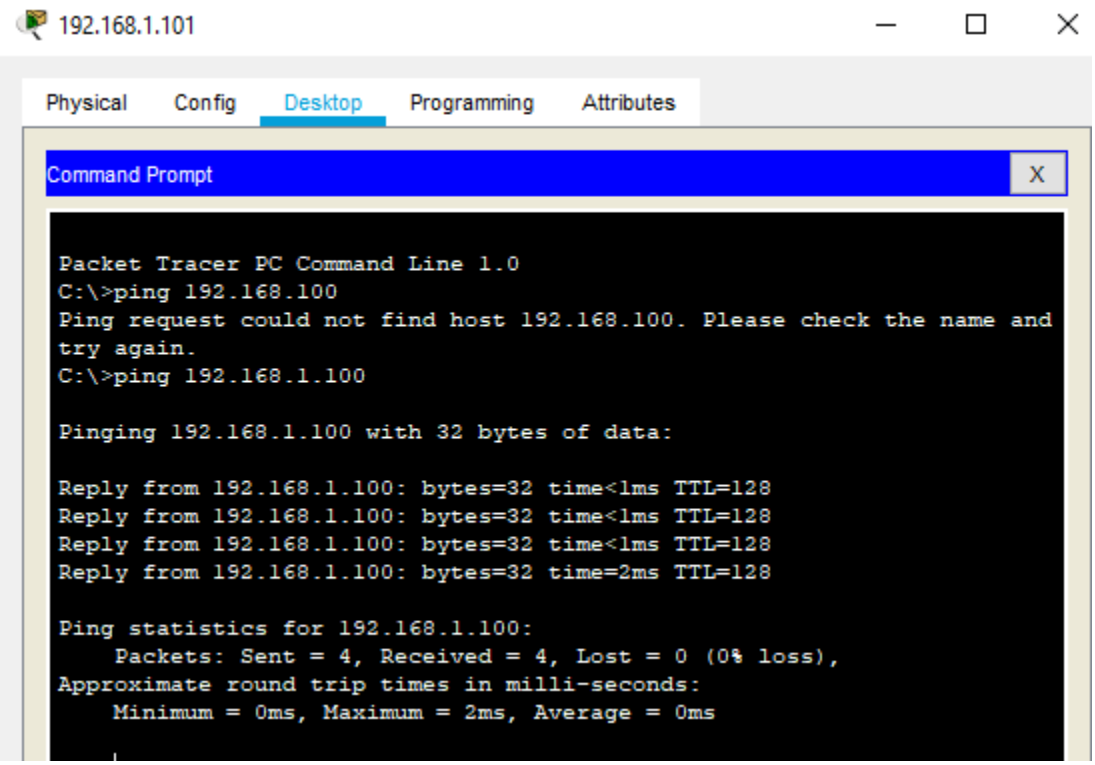
Successfully configured 192.168.99.2



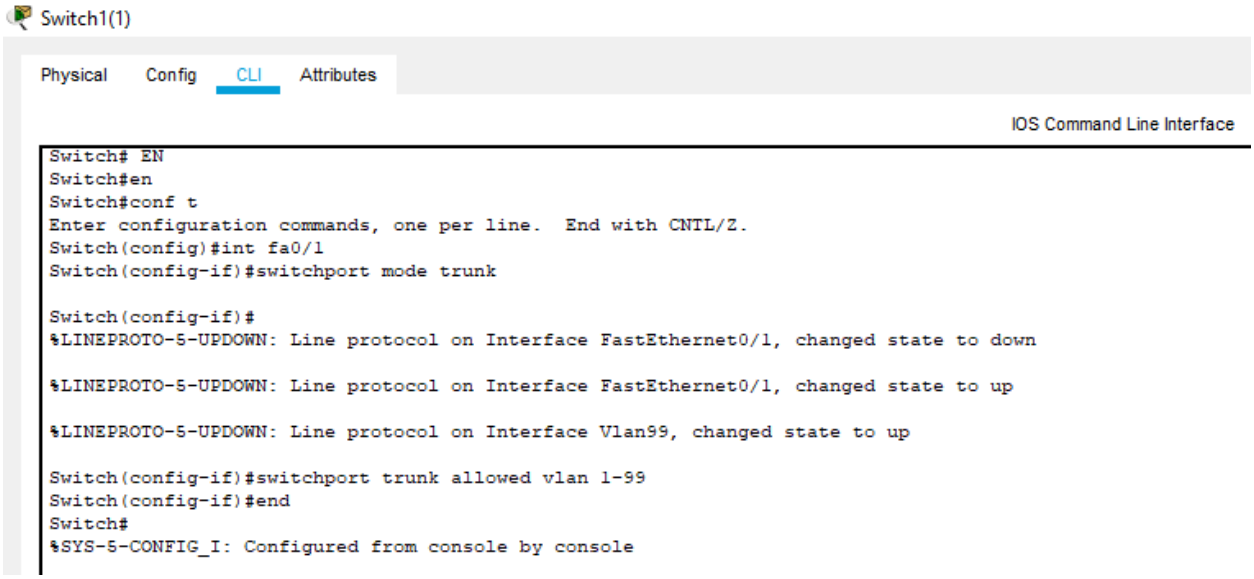
TRUNKS



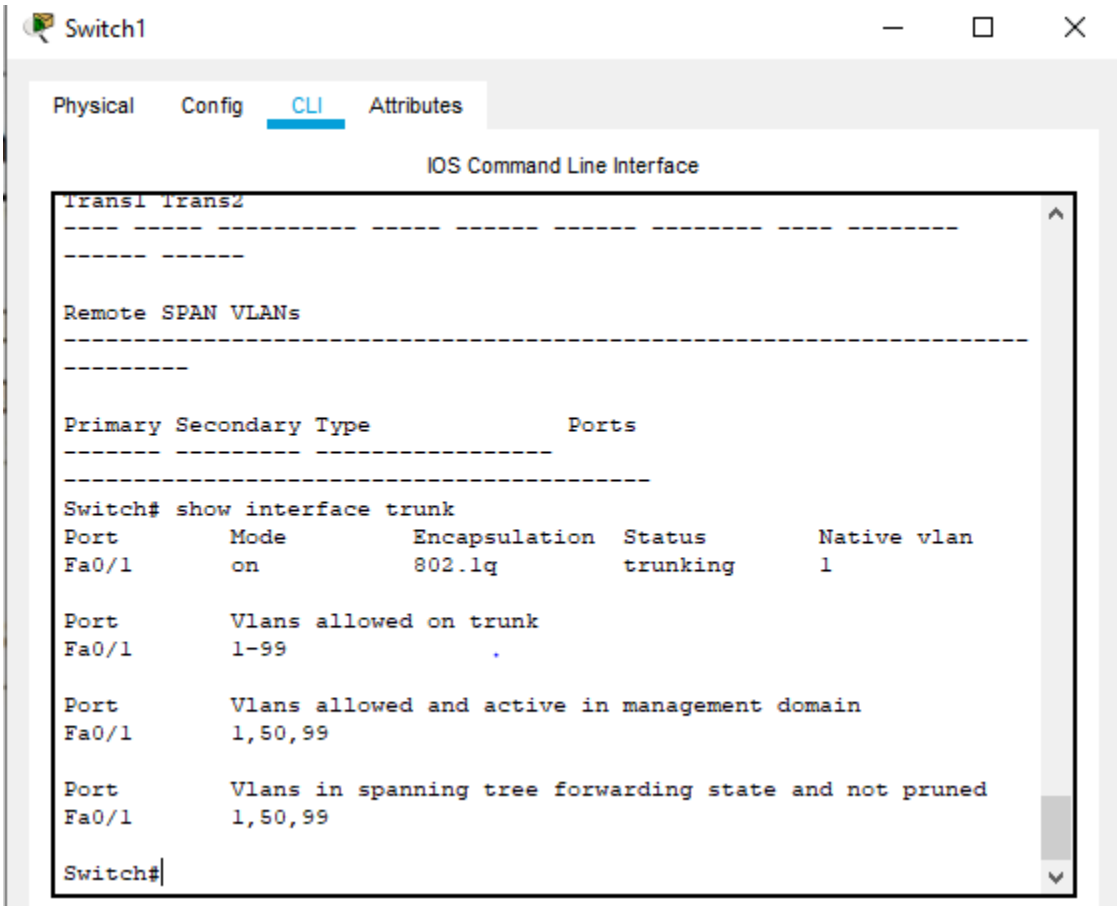
Checking connection



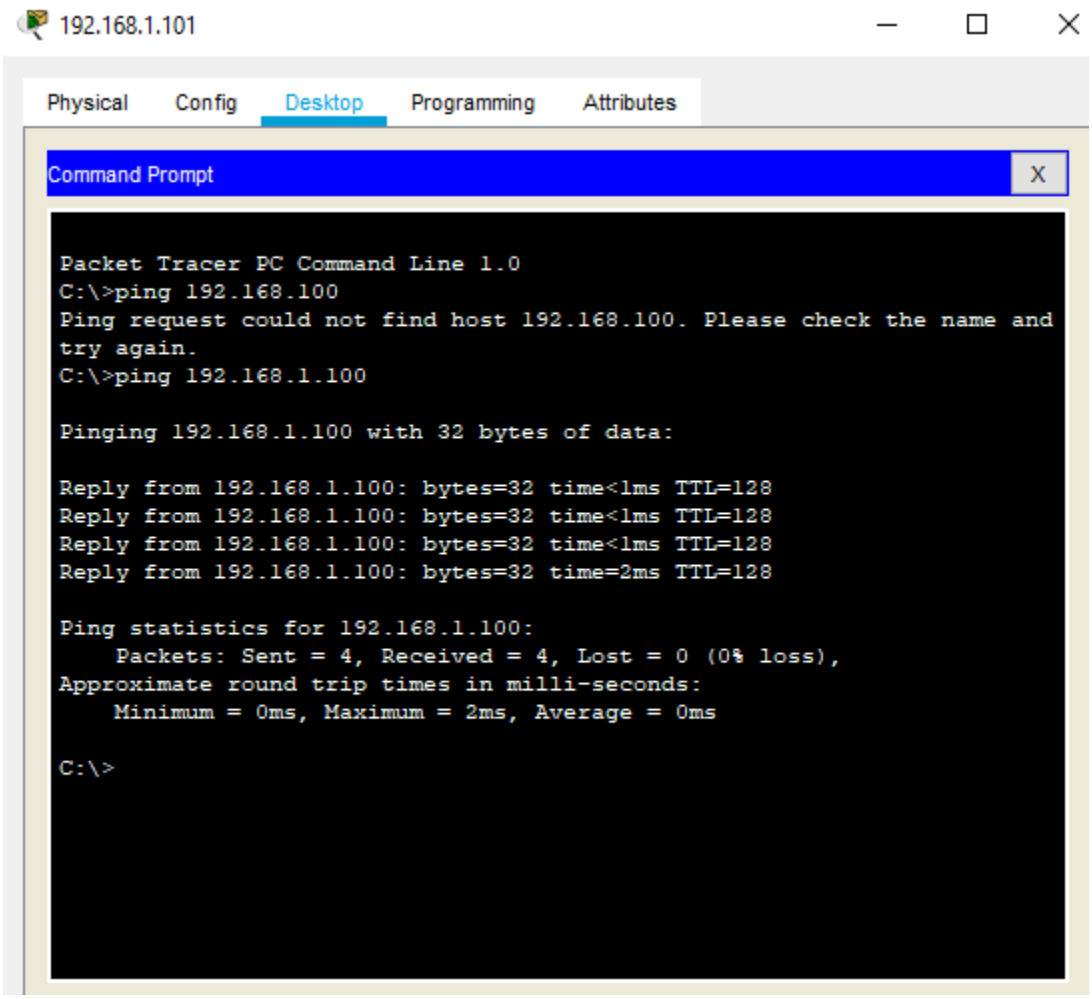
Configuring trunk in both the switches by this command:



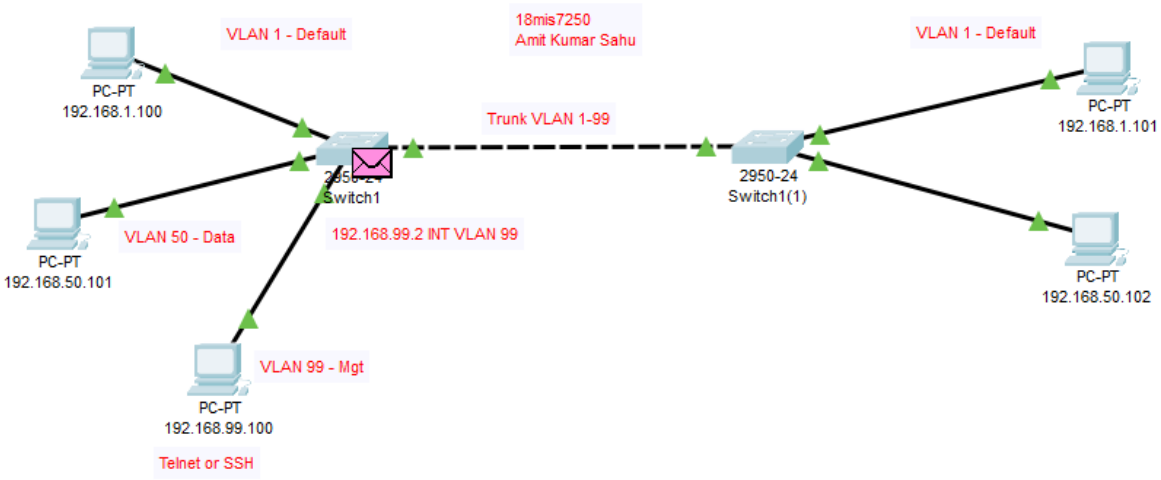
Configured Trunk



Verifying trunk is working by pinging



Packets Passing Successfully Via Trunk



Simple VLAN Config With Router and Switch