

**T. A. MARRYSHOW COMMUNITY COLLEGE**  
**DEPARTMENT OF INFORMATION TECHNOLOGY**

**ASSIGNMENT NAME: WEEK 1 ASSIGNMENT**

**COURSE NAME AND NUMBER: NETWORKING II CIT246**

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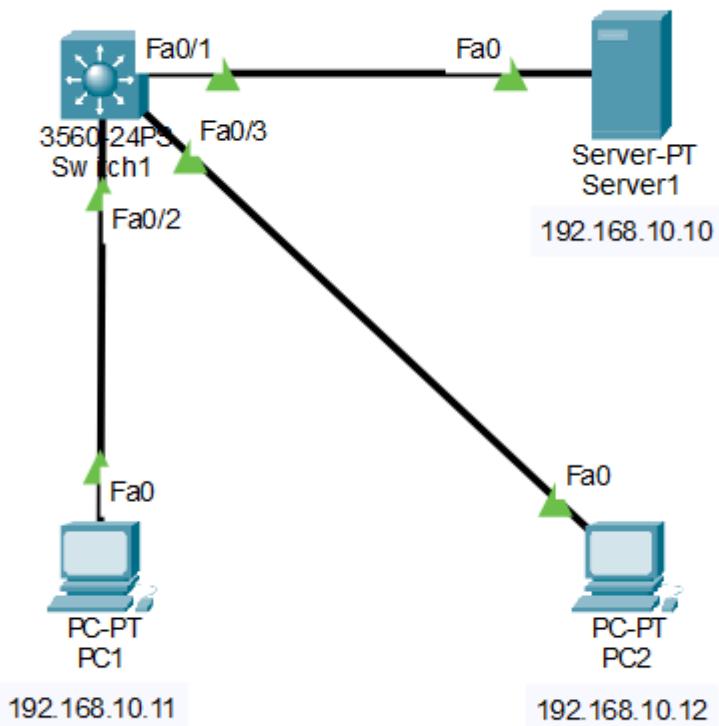
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## SCREENSHOTS

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### Topology Diagram Screenshot



## Switch Configuration Screenshots

**Switch1**

Physical    Config    **CLI**    Attributes

IOS Command Line Interface

```
Switch>show vlan
VLAN Name          Status      Ports
---- 
1     default       active      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, Giga0/1, Giga0/2
10    Admin          active      Fa0/1, Fa0/2, Fa0/3
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
10  enet   100010    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

VLAN Type   SAID      MTU      Parent RingNo BridgeNo Stp   BrdgMode Trans1 Trans2
---- 

Remote SPAN VLANs
---- 

Primary Secondary Type      Ports
---- 

Switch>show ip int brief
Interface          IP-Address      OK? Method Status      Protocol
FastEthernet0/1    unassigned      YES unset up           up
FastEthernet0/2    unassigned      YES unset up           up
FastEthernet0/3    unassigned      YES unset up           up
FastEthernet0/4    unassigned      YES unset down         down
FastEthernet0/5    unassigned      YES unset down         down
FastEthernet0/6    unassigned      YES unset down         down
FastEthernet0/7    unassigned      YES unset down         down
FastEthernet0/8    unassigned      YES unset down         down
FastEthernet0/9    unassigned      YES unset down         down
FastEthernet0/10   unassigned      YES unset down         down
FastEthernet0/11   unassigned      YES unset down         down
FastEthernet0/12   unassigned      YES unset down         down
FastEthernet0/13   unassigned      YES unset down         down
FastEthernet0/14   unassigned      YES unset down         down
FastEthernet0/15   unassigned      YES unset down         down
FastEthernet0/16   unassigned      YES unset down         down
FastEthernet0/17   unassigned      YES unset down         down
FastEthernet0/18   unassigned      YES unset down         down
FastEthernet0/19   unassigned      YES unset down         down
FastEthernet0/20   unassigned      YES unset down         down
FastEthernet0/21   unassigned      YES unset down         down
FastEthernet0/22   unassigned      YES unset down         down
FastEthernet0/23   unassigned      YES unset down         down
FastEthernet0/24   unassigned      YES unset down         down
GigabitEthernet0/1 unassigned      YES unset down         down
GigabitEthernet0/2 unassigned      YES unset down         down
Vlan1              unassigned      YES unset administratively down down
Vlan10             192.168.10.1  YES manual up           up

Switch>
```

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### Ping Test Screenshots

The screenshot shows the Cisco Packet Tracer Command Line interface for PC1. The window title is "PC1". The tabs at the top are Physical, Config, Desktop, Programming, and Attributes, with Desktop selected. The main area is a "Command Prompt" window containing the following command-line session:

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.10.1

Pinging 192.168.10.1 with 32 bytes of data:

Reply from 192.168.10.1: bytes=32 time=1ms TTL=255
Reply from 192.168.10.1: bytes=32 time<1ms TTL=255
Reply from 192.168.10.1: bytes=32 time<1ms TTL=255
Reply from 192.168.10.1: bytes=32 time<1ms TTL=255

Ping statistics for 192.168.10.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\>ping 192.168.10.10

Pinging 192.168.10.10 with 32 bytes of data:

Reply from 192.168.10.10: bytes=32 time<1ms TTL=128
Reply from 192.168.10.10: bytes=32 time=1ms TTL=128
Reply from 192.168.10.10: bytes=32 time<1ms TTL=128
Reply from 192.168.10.10: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.10.10:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\>ping 192.168.10.12

Pinging 192.168.10.12 with 32 bytes of data:

Reply from 192.168.10.12: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.10.12:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>arp -a
  Internet Address        Physical Address        Type
  192.168.10.1             0060.3ed6.5201      dynamic
  192.168.10.10            00d0.586c.03c7      dynamic
  192.168.10.12            0007.eceb.9a87      dynamic

C:\>|
```

At the bottom left of the Command Prompt window, there is a checkbox labeled "Top".

The screenshot shows a Cisco Packet Tracer window titled "PC2". The window has tabs at the top: Physical, Config, Desktop (which is selected), Programming, and Attributes. Below the tabs is a blue header bar with the text "Command Prompt" and a close button "X". The main area is a black terminal window displaying command-line output. The output shows the following sequence of commands and their results:

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.10.1

Pinging 192.168.10.1 with 32 bytes of data:

Reply from 192.168.10.1: bytes=32 time<1ms TTL=255

Ping statistics for 192.168.10.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>ping 192.168.10.10

Pinging 192.168.10.10 with 32 bytes of data:

Reply from 192.168.10.10: bytes=32 time<1ms TTL=128
Reply from 192.168.10.10: bytes=32 time=1ms TTL=128
Reply from 192.168.10.10: bytes=32 time<1ms TTL=128
Reply from 192.168.10.10: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.10.10:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\>ping 192.168.10.11

Pinging 192.168.10.11 with 32 bytes of data:

Reply from 192.168.10.11: bytes=32 time<1ms TTL=128
Reply from 192.168.10.11: bytes=32 time<1ms TTL=128
Reply from 192.168.10.11: bytes=32 time=1ms TTL=128
Reply from 192.168.10.11: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.10.11:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\>arp -a
   Internet Address        Physical Address          Type
   192.168.10.1             0060.3ed6.5201      dynamic
   192.168.10.10            00d0.586c.03c7      dynamic
   192.168.10.11            0030.a3bc.25a9      dynamic

C:\>
```

 Top

**IP ADDRESS TABLE**

| <b>Device</b> | <b>Interface</b> | <b>IP Address</b> | <b>Subnet Mask</b> | <b>Gateway</b> |
|---------------|------------------|-------------------|--------------------|----------------|
| Switch1       | VLAN 10          | 192.168.10.1      | 255.255.255.0      | N/A            |
| Server1       | FastEthernet0    | 192.168.10.10     | 255.255.255.0      | 192.168.10.1   |
| PC1           | FastEthernet0    | 192.168.10.11     | 255.255.255.0      | 192.168.10.1   |
| PC2           | FastEthernet0    | 192.168.10.12     | 255.255.255.0      | 192.168.10.1   |

**Note:** Server1 DNS = 127.0.0.1