



VIT[®]
Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

LAB ASSESSMENT-3

SLOT: L55-L56

**CSE 3501: INFORMATION SECURITY
ANALYSIS AND AUDIT**

Submitted By:

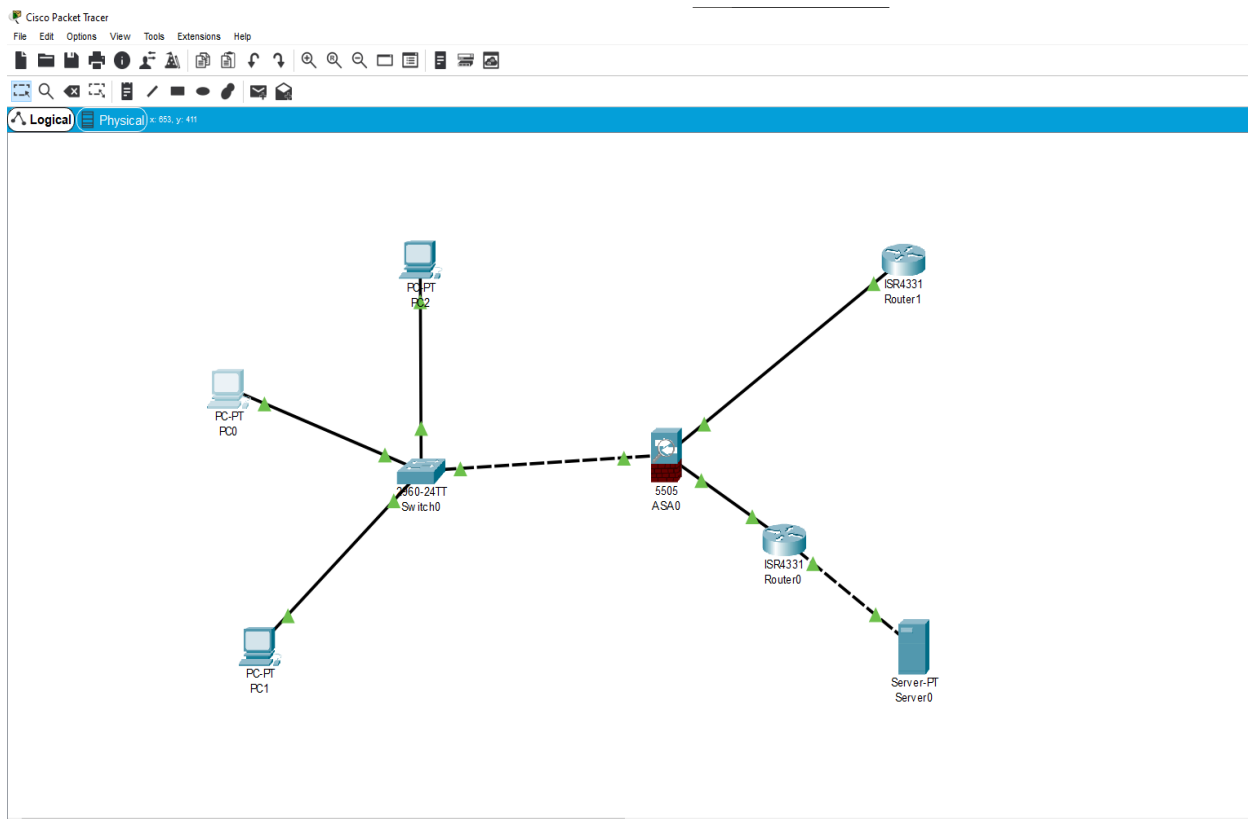
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Submitted to:

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Network Design:

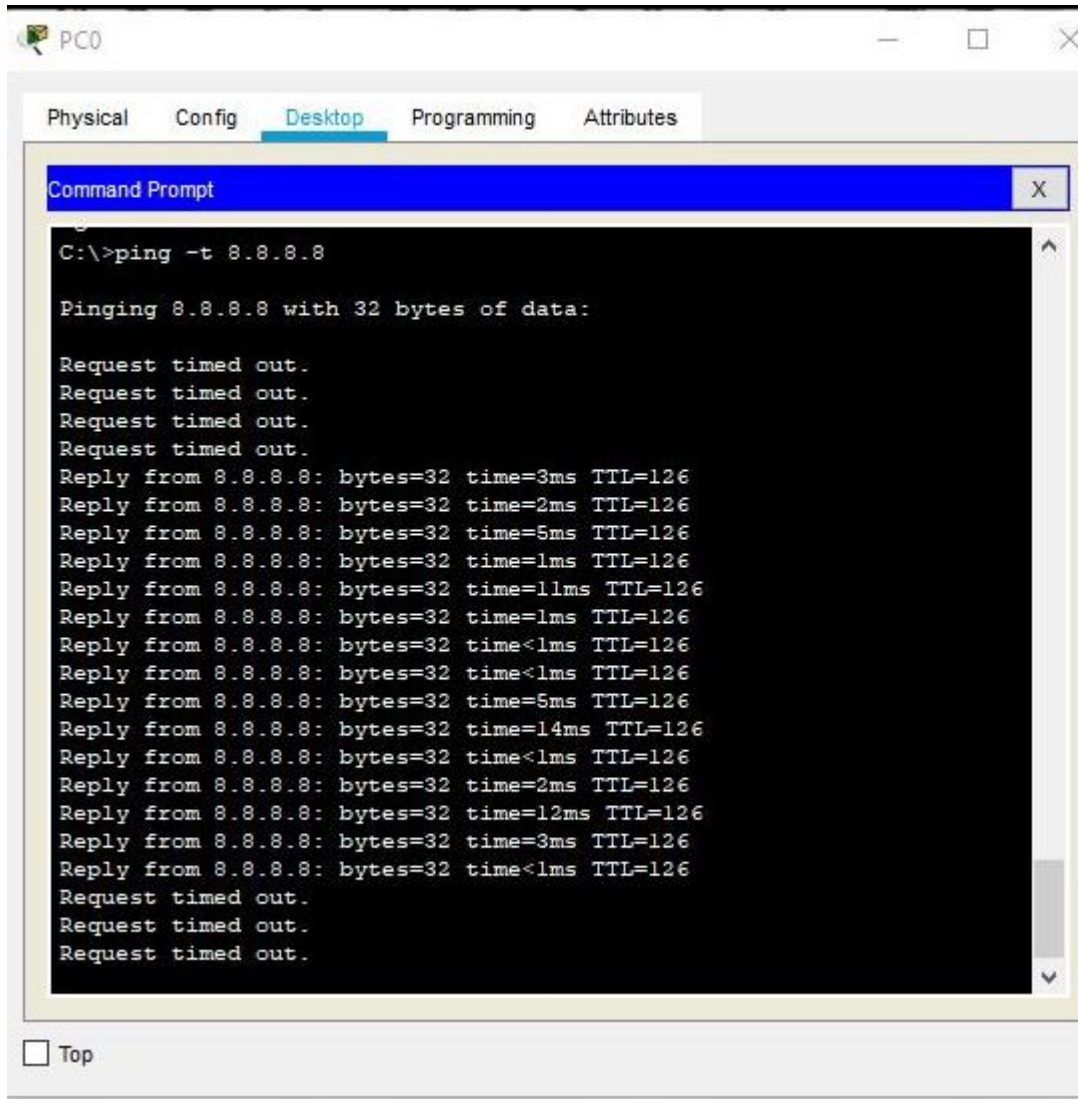


Procedure:

- Open cisco packet tracer and design the circuit with the given devices.
- Then, configure server by assigning it an IP address and giving default gateway. Go to its services and turn on the "DHCP" service.
- Interconnect the devices using appropriate wires.
- Now, configure the firewall and assign IP addresses to the PCs using DHCP.
- Go to firewall's CLI and run the following commands:

```
ciscoasa(config)#access-list uti extended permit tcp any any
ciscoasa(config)#access-list uti extended permit icmp any any
ciscoasa(config)# access-group uti in interface outside
```
- Select anyone of the PCs and go to its command prompt. Then, ping the server using the command: `ping -t server_ip_address`

Output:



The screenshot shows a window titled "PC0" with tabs for "Physical", "Config", "Desktop" (selected), "Programming", and "Attributes". Inside the "Desktop" tab is a "Command Prompt" window. The command prompt shows the command `C:\>ping -t 8.8.8.8` and its output. The output indicates that the first four ping requests timed out, followed by 15 successful replies from 8.8.8.8 with varying times and a TTL of 126, and finally three more timed-out requests. A "Top" button is visible at the bottom left of the window.

```
C:\>ping -t 8.8.8.8

Pinging 8.8.8.8 with 32 bytes of data:

Request timed out.
Request timed out.
Request timed out.
Request timed out.
Reply from 8.8.8.8: bytes=32 time=3ms TTL=126
Reply from 8.8.8.8: bytes=32 time=2ms TTL=126
Reply from 8.8.8.8: bytes=32 time=5ms TTL=126
Reply from 8.8.8.8: bytes=32 time=1ms TTL=126
Reply from 8.8.8.8: bytes=32 time=11ms TTL=126
Reply from 8.8.8.8: bytes=32 time=1ms TTL=126
Reply from 8.8.8.8: bytes=32 time<1ms TTL=126
Reply from 8.8.8.8: bytes=32 time<1ms TTL=126
Reply from 8.8.8.8: bytes=32 time=5ms TTL=126
Reply from 8.8.8.8: bytes=32 time=14ms TTL=126
Reply from 8.8.8.8: bytes=32 time<1ms TTL=126
Reply from 8.8.8.8: bytes=32 time=2ms TTL=126
Reply from 8.8.8.8: bytes=32 time=12ms TTL=126
Reply from 8.8.8.8: bytes=32 time=3ms TTL=126
Reply from 8.8.8.8: bytes=32 time<1ms TTL=126
Request timed out.
Request timed out.
Request timed out.
```

☐ Top

Server0

Physical

Config

Services

Desktop

Programming

Attributes

GLOBAL

Settings

Algorithm Settings

INTERFACE

FastEthernet0

Global Settings

Display Name

Server0

Gateway/DNS IPv4

DHCP

Static

Gateway

8.8.8.1

DNS Server

Gateway/DNS IPv6

DHCP

Auto Config

Static

IPv6 Gateway

IPv6 DNS Server

Top

Physical Config Desktop Programming Attributes**GLOBAL** ^

Settings

Algorithm Settings

INTERFACE

FastEthernet0

Bluetooth

Global Settings

Display Name PC0

Interfaces FastEthernet0 ▾

Gateway/DNS IPv4

☒ DHCP☐ Static

Gateway 10.1.1.1

DNS Server 8.8.8.8

Gateway/DNS IPv6

☐ DHCP☐ Auto Config☒ Static

IPv6 Gateway

IPv6 DNS Server