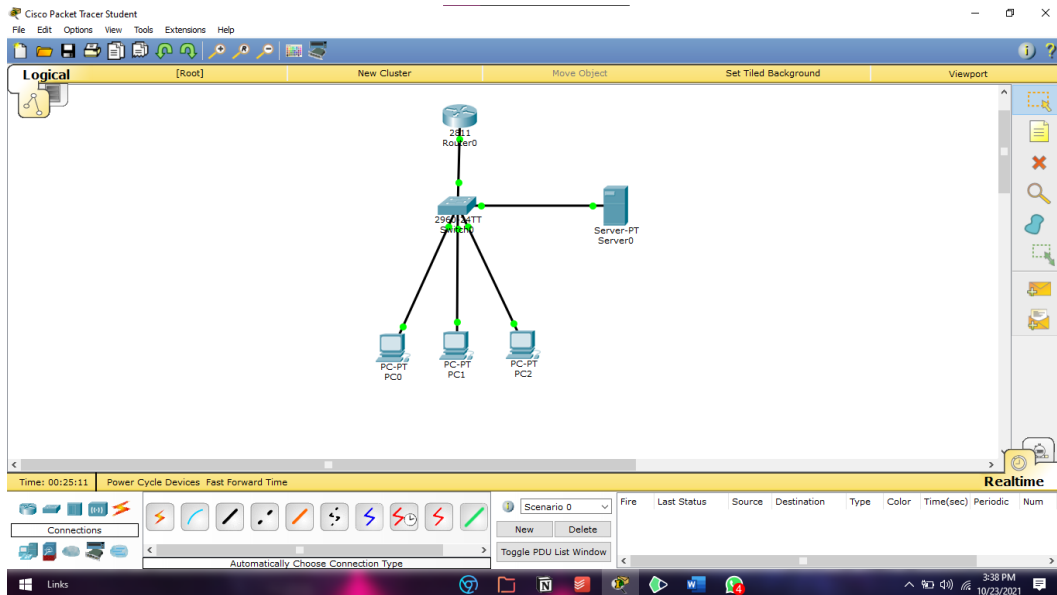


LAB 6

CONFIGURATION



Router0

Physical Config CLI

IOS Command Line Interface

```
Router>enable
Router#termina
Router#terminal
% Incomplete command.
Router#config terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface fast
Router(config)#interface fast 0/0
Router(config-if)#no shutdown

Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to
up

Router(config-if)#ip address 10.0.0.1 255.0.0.0
Router(config-if)#exit
Router(config)#ip dhcp pool lab6
Router(dhcp-config)#network 10.0.0.0 255.0.0.0
Router(dhcp-config)#default-router 10.0.0.1
Router(dhcp-config)#dns-server 10.0.0.2
Router(dhcp-config)#exit
Router(config)#exit
Router#
%SYS-5-CONFIG_I: Configured from console by console

Router#%DHCPD-4-PING_CONFLICT: DHCP address conflict: server pinged 10.0.0.1.
%DHCPD-4-PING_CONFLICT: DHCP address conflict: server pinged 10.0.0.2.
```

Copy Paste

Server0

Physical

Config

Services

Desktop

Custom Interface

SERVICES

HTTP

DHCP

DHCPv6

TFTP

DNS

SYSLOG

AAA

NTP

EMAIL

FTP

DHCP

InterfaceFastEthernet0ServiceOnOff

Pool Name

lab6

Default Gateway

0.0.0.0

DNS Server

10.0.0.2

Start IP Address :

10

0

0

4

Subnet Mask:

255

0

0

0

Maximum number of Users :

15

TFTP Server:

0.0.0.0

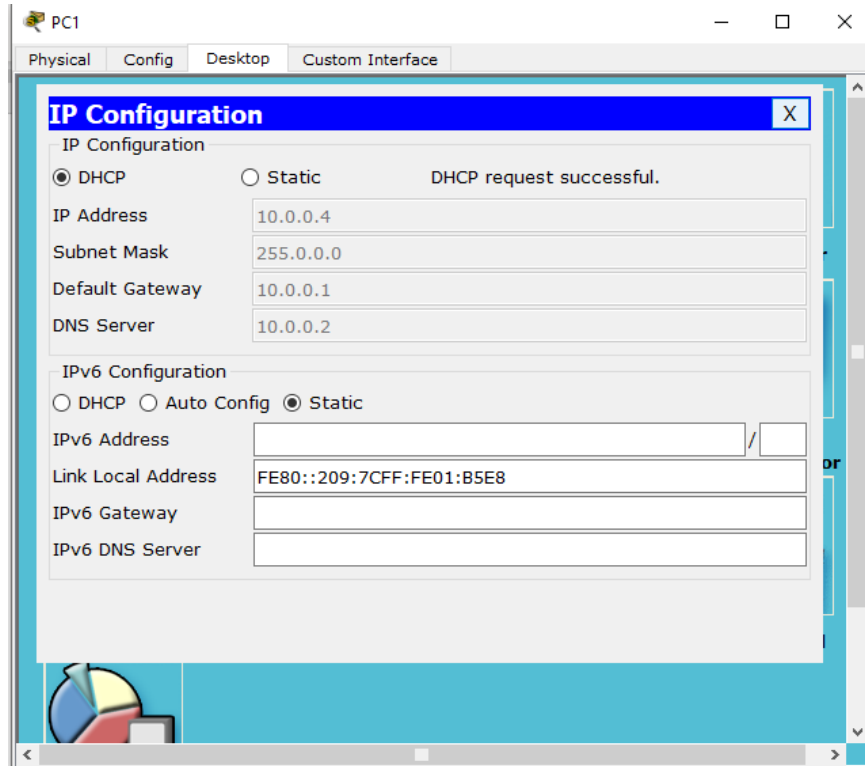
Add

Save

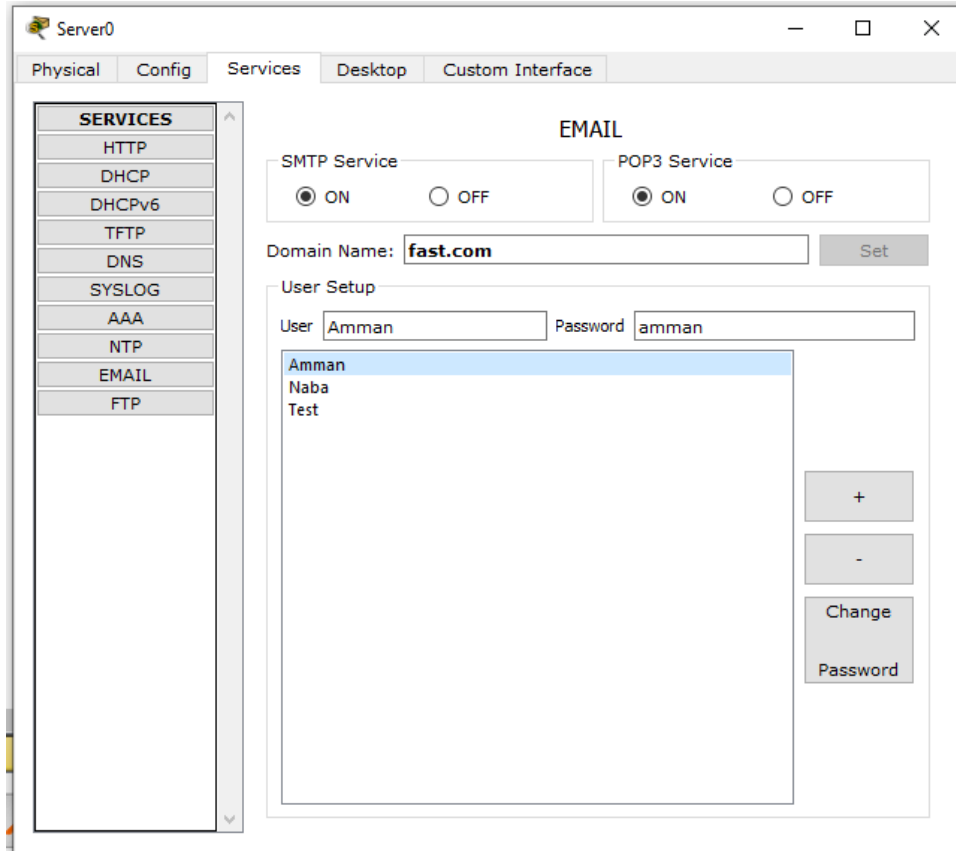
Remove

Pool Name	Default Gateway	DNS Server	Start IP Address	Subnet Mask	Max User	
lab6	0.0.0.0	10.0.0.2	10.0.0.4	255.0.0.0	15	0.0
serverPool	0.0.0.0	0.0.0.0	10.0.0.0	255.0.0.0	512	0.0

< >



SMTP



PC1

Physical Config Desktop Custom Interface

Configure Mail

User Information

Your Name:

Email Address:

Server Information

Incoming Mail Server:

Outgoing Mail Server:

Logon Information

User Name:

Password:

Save Clear Reset

PC1

Physical Config Desktop Custom Interface

MAIL BROWSER

Mails

Compose Reply Receive Delete Configure Mail

	From	Subject	Received
1	test@fast.com	test	Sat Oct 23 202115:25...

Receiving mail from POP3 Server: fast.com
DNS resolving. Resolving name: fast.com by querying to DNS Server: 10.0.0.2 DNS resolved ip address: 10.0.0.2
Receive Mail Success.

Cancel Send/Receive

FTP

Server0

Physical Config **Services** Desktop Custom Interface

SERVICES

- HTTP
- DHCP
- DHCPv6
- TFTP
- DNS
- SYSLOG
- AAA
- NTP
- EMAIL
- FTP**

FTP

Service ☒ On ☐ Off

User Setup

Username Password

☒ Write ☒ Read ☒ Delete ☒ Rename ☒ List

	Username	Password	Permission
1	Amman	soomro	RWDNL
2	cisco	cisco	RWDNL

File

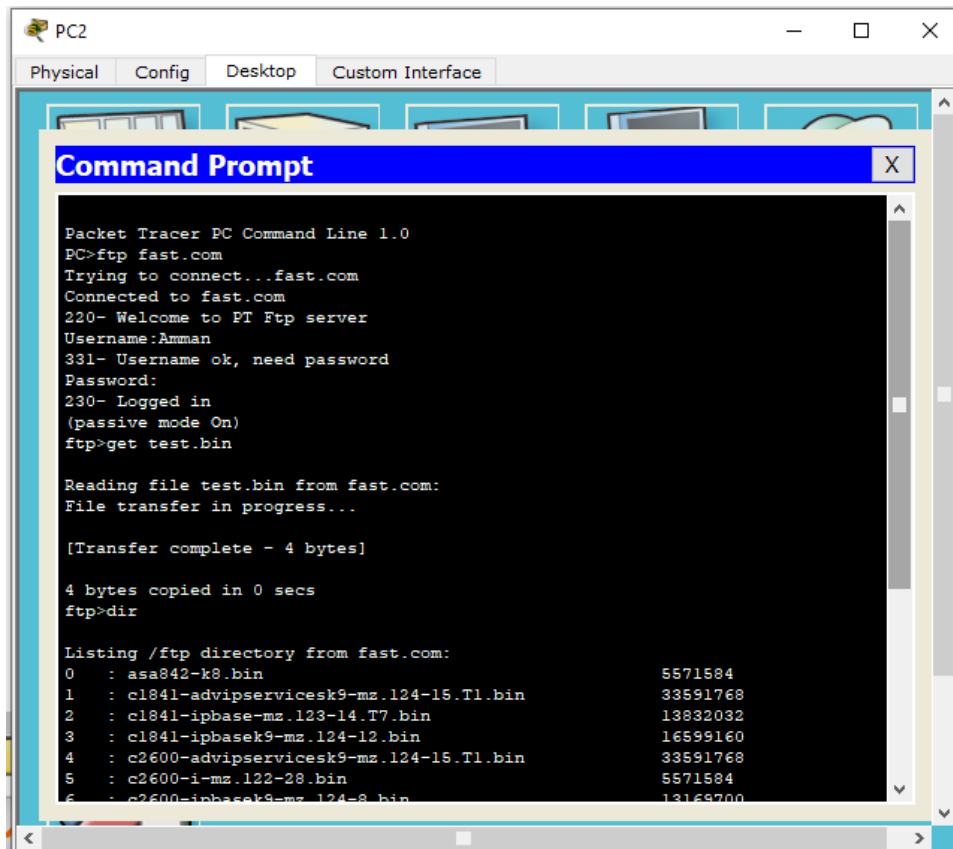
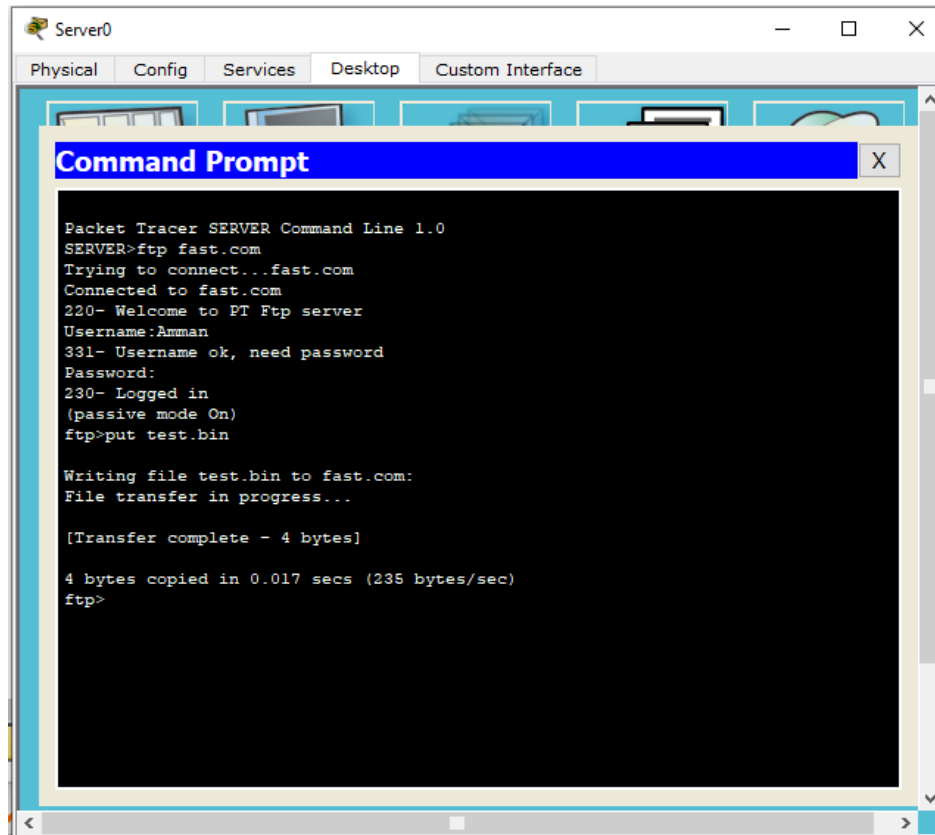
- 1 asa842-k8.bin
- 2 c1841-advipservicesk9-mz.124-15.T1.bin
- 3 c1841-ipbase-mz.123-14.T7.bin
- 4 c1841-ipbasek9-mz.124-12.bin

Server0

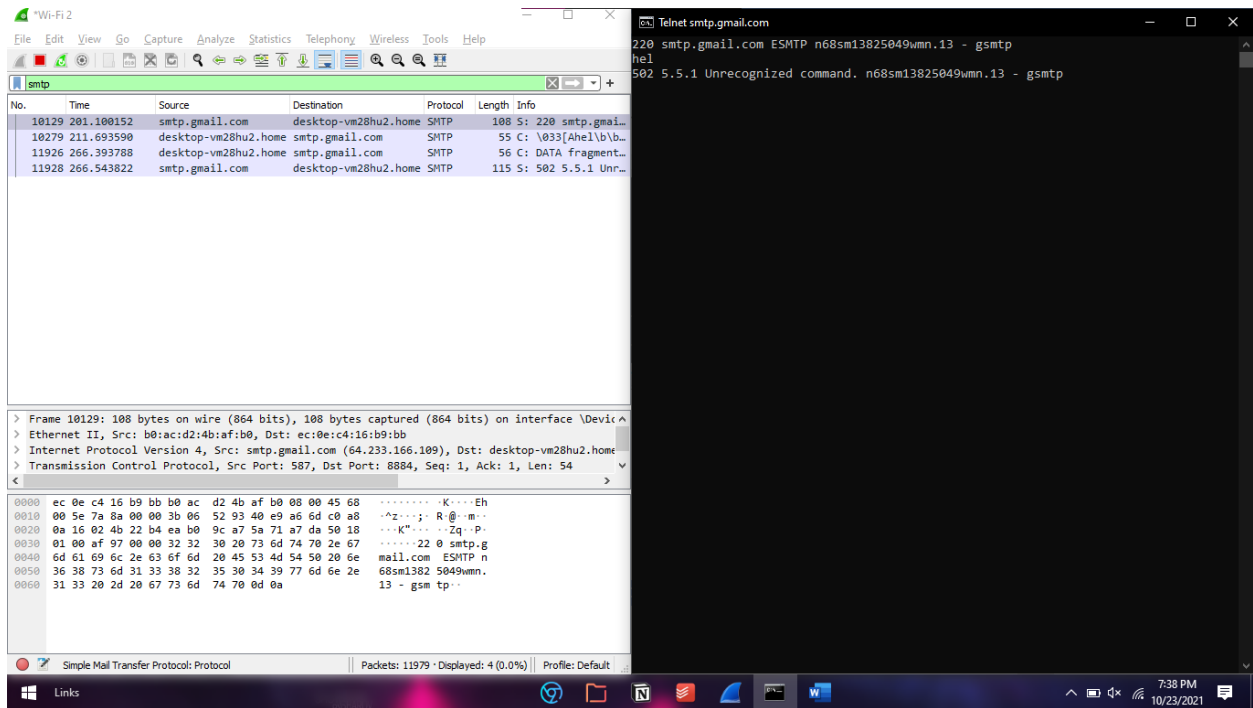
Physical Config Services **Desktop** Custom Interface

Command Prompt

```
Packet Tracer SERVER Command Line 1.0
SERVER>ftp fast.com
Trying to connect...fast.com
Connected to fast.com
220- Welcome to PT Ftp server
Username:Amman
331- Username ok, need password
Password:
230- Logged in
(passive mode On)
ftp>
```



QUESTION NO 03



The image displays a network traffic analysis using Wireshark and a Telnet session. The Wireshark interface on the left shows a packet capture on the 'smtp' filter. The packet list table is as follows:

No.	Time	Source	Destination	Protocol	Length	Info
10129	201.100152	smtp.gmail.com	desktop-vm28hu2.home	SMTP	108	S: 220 smtp.gmai...
10279	211.693590	desktop-vm28hu2.home	smtp.gmail.com	SMTP	55	C: \033[Ah1(b\b...
11926	266.393788	desktop-vm28hu2.home	smtp.gmail.com	SMTP	56	C: DATA fragment...
11928	266.543822	smtp.gmail.com	desktop-vm28hu2.home	SMTP	115	S: 502 5.5.1 Unr...

The packet details pane for the selected packet (No. 10129) shows the following structure:

- Frame 10129: 108 bytes on wire (864 bits), 108 bytes captured (864 bits) on interface \Device\NPF...
- Ethernet II, Src: b0:ac:d2:4b:af:b0, Dst: ec:0e:c4:16:b9:bb
- Internet Protocol Version 4, Src: smtp.gmail.com (64.233.166.109), Dst: desktop-vm28hu2.home...
- Transmission Control Protocol, Src Port: 587, Dst Port: 8884, Seq: 1, Ack: 1, Len: 54

The packet bytes pane shows the raw data in hexadecimal and ASCII:

```
0000  ec 0e c4 16 b9 bb b0 ac d2 4b af b0 08 00 45 68  ....K...Eh
0010  00 5e 7a 8a 00 00 3b 06 52 93 40 e9 a6 6d c0 a0  ..Az...R@..m..
0020  0a 16 02 4b 22 b4 ea b0 9c a7 5a 71 a7 da 50 18  ..K"...Zq.P.
0030  01 00 af 97 00 00 32 32 30 20 73 6d 74 70 2e 67  ....22 0 smtp.g
0040  6d 61 69 6c 2e 63 6f 6d 20 45 53 4d 54 50 20 6e  mail.com  ESMTP n
0050  36 38 73 6d 31 33 38 32 35 30 34 39 77 6d 6e 2e  68sm1382 5049wmn.
0060  31 33 20 2d 20 67 73 6d 74 70 0d 0a             13 - gsm tp..
```

The Telnet session on the right shows the following commands and responses:

```
220 smtp.gmail.com ESMTP n68sm13825049wmn.13 - gsmt
hel
502 5.5.1 Unrecognized command. n68sm13825049wmn.13 - gsmt
```

The Windows taskbar at the bottom shows the time as 7:38 PM on 10/23/2021.