

# Cisco DNC-FTP-WEB-EMAIL

S Alankritha 2347146

Pratham M 2347138

Client nodes and server nodes

Server node

Switch

copper straight through wire

PC names and IP Address

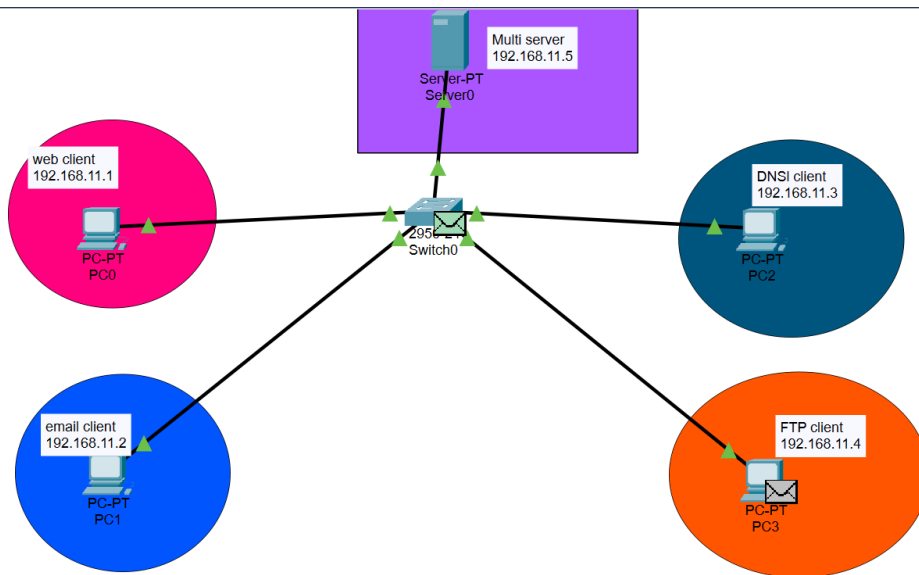
Pc 0 as WebClient 192.168.11.1

Pc 1 as EmailClient 192.168.11.2

Pc 2 as DNSClient 192.168.11.3

Pc 3 as FtpClient 192.168.11.4

Server as Multiserver 192.168.11.5

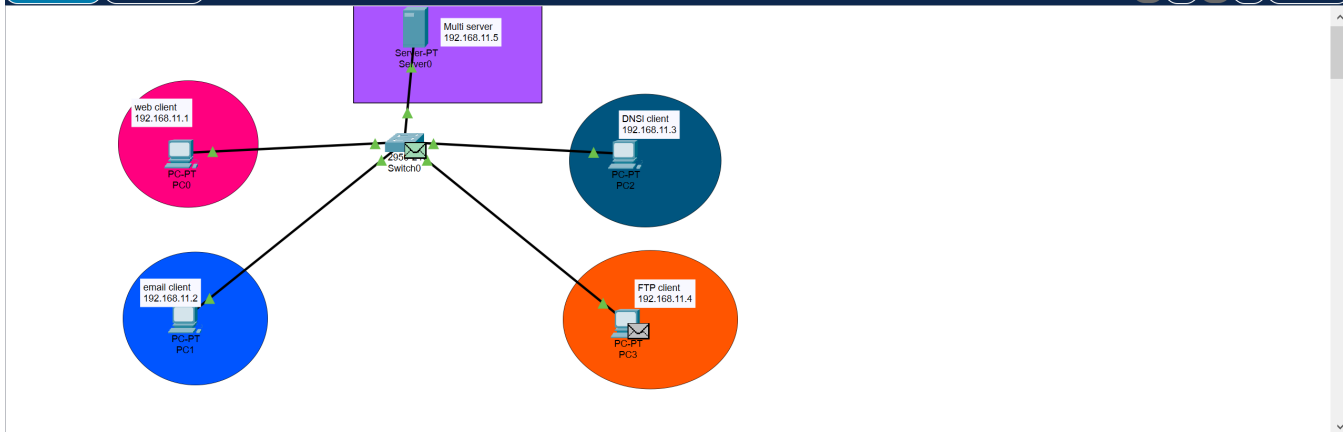


Cisco Packet Tracer - D:\DCC\DNS-FTP-EMAL-WEB-CONFIG.pkt

File Edit Options View Tools Extensions Window Help



Logical Physical x: 1738, y: 262 Root 21:34:00



Time: 01:13:14.324 PLAY CONTROLS Scenario 0 Event List Realtime Simulation

Fire Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete

New Delete Toggle PDU List Window

Fiber

## Configuring the address

PC0

Physical Config **Desktop** Programming Attributes

**IP Configuration** X

Interface FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IPv4 Address 192.168.11.1

Subnet Mask 255.255.255.0

Default Gateway 0.0.0.0

DNS Server 192.168.11.5

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address /

Link Local Address FE80::206:2AFF:FE41:C878

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

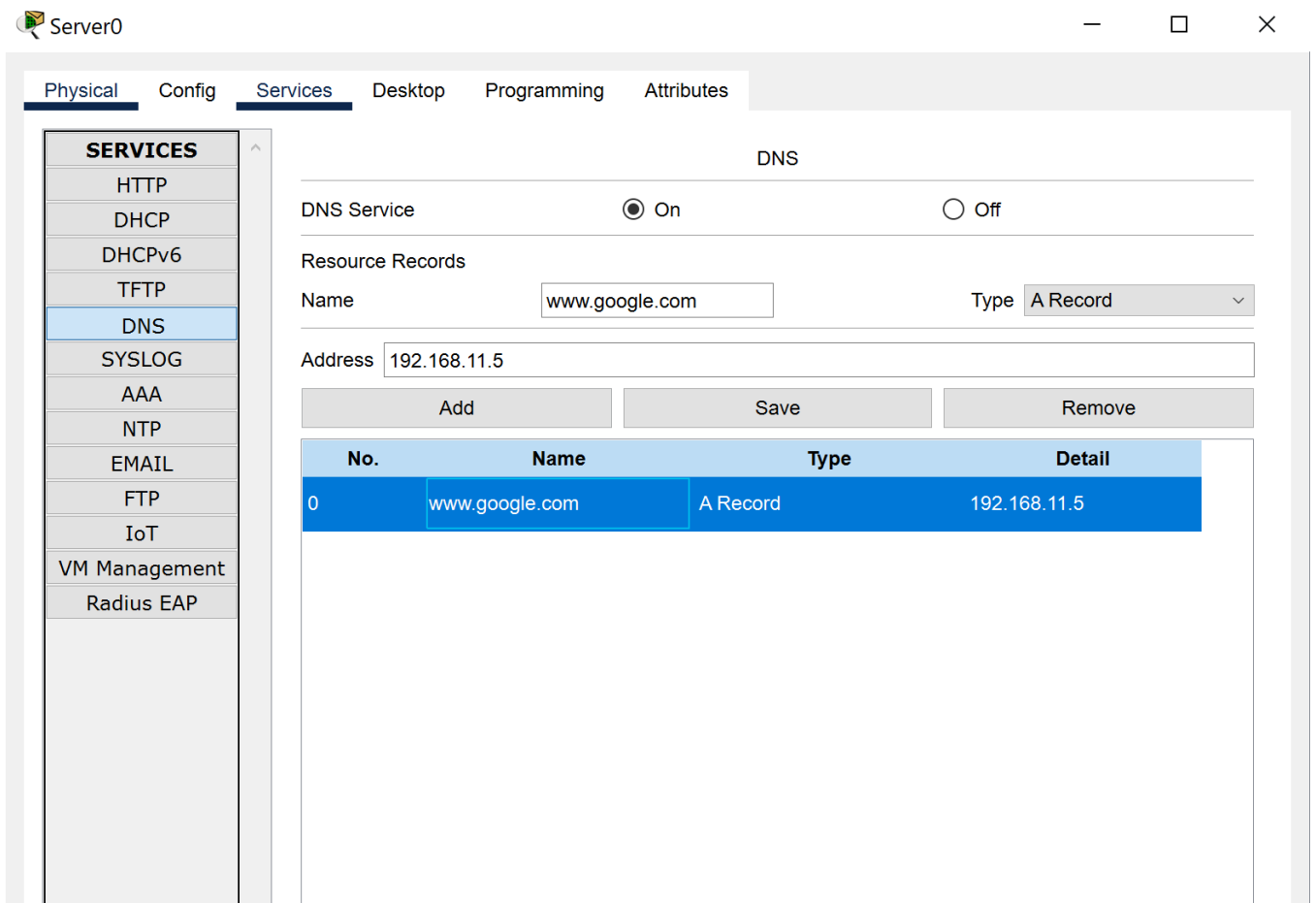
Authentication MD5

Username

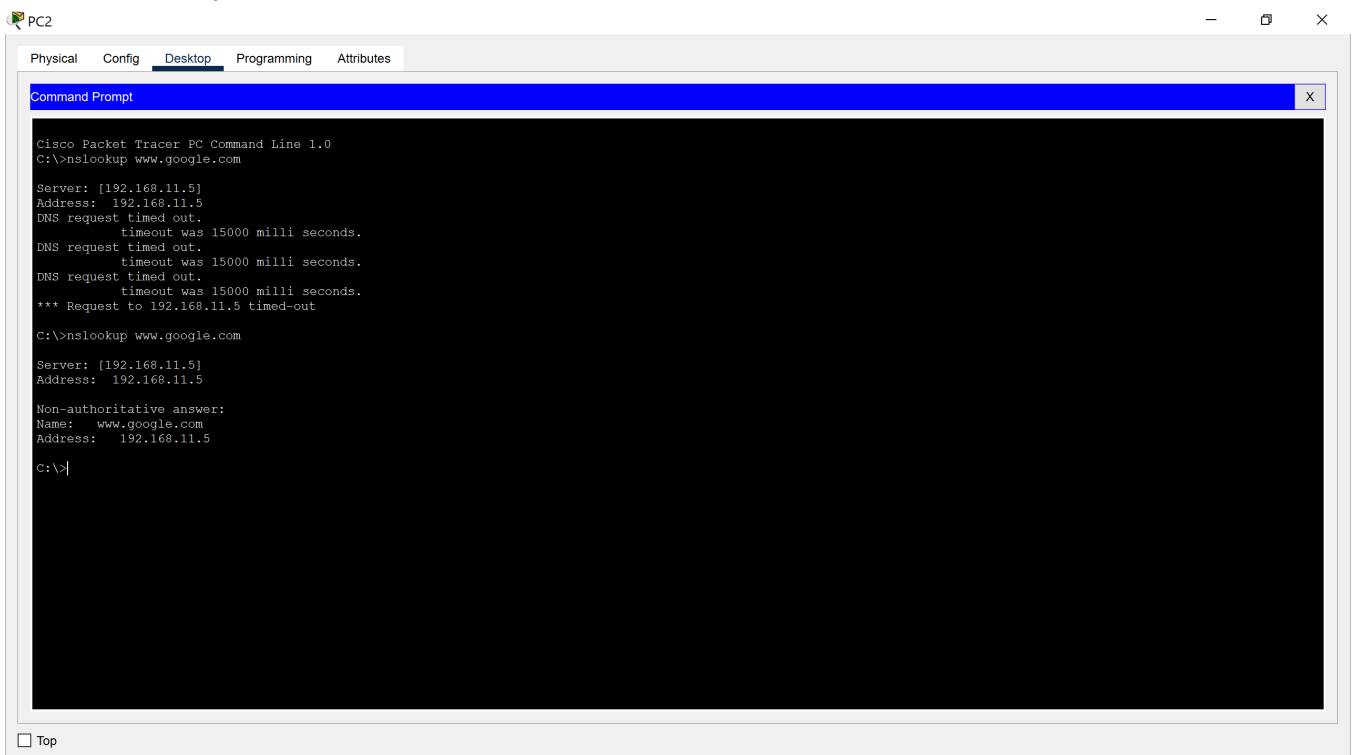
Password

☐ Top

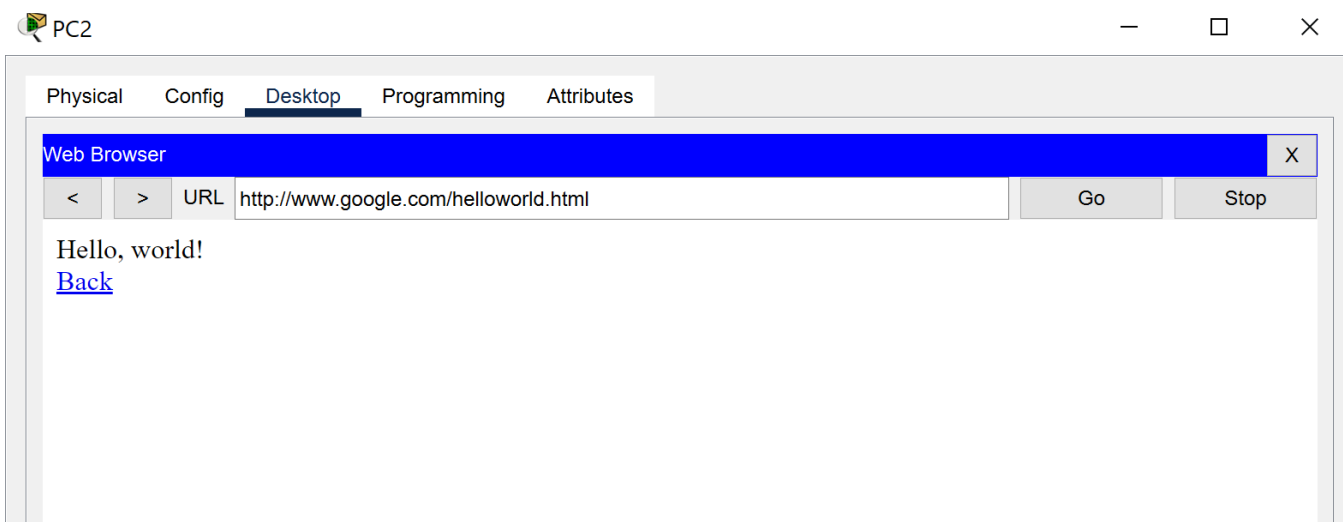
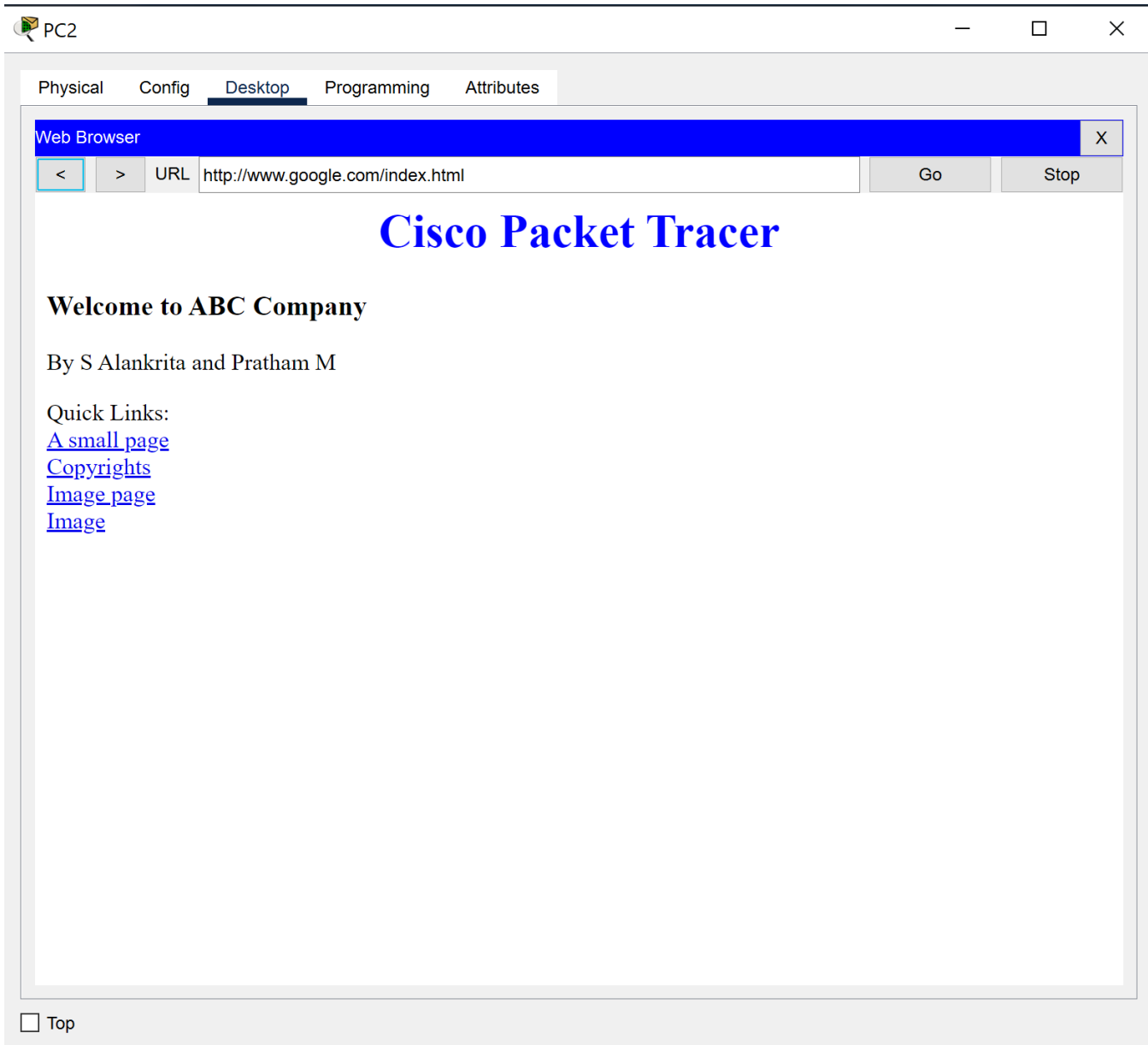
adding the services in DNS as google.com and also adding template to html



DNS Client pc we are enabling the DNS-as the client connect to the server and resolver the ip-address




we are going to web page and trying to access out html page ,as the template is rendered with the link it moves to other pages as below



Physical Config **Desktop** Programming Attributes

Web Browser X

< > URL  Go Stop



Physical Config **Desktop** Programming Attributes

Web Browser X

< > URL  Go Stop

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Physical Config **Desktop** Programming Attributes

Configure Mail X

User Information

Your Name:

Email Address:

Server Information

Incoming Mail Server:

Outgoing Mail Server:

Logon Information

User Name:

Password:

Save Remove Clear Reset

## PC 0 Web client - configuring the mail server same to for PC 1 email client

PC1

Physical Config **Desktop** Programming Attributes

**Configure Mail** X

User Information

Your Name: pratham

Email Address: alankritha033@gmail.com

Server Information

Incoming Mail Server: 192.168.11.5

Outgoing Mail Server: 192.168.11.5

Logon Information

User Name: pratham

Password: ●●●●●●

Save Remove Clear Reset

in multiserver we are creating and saving the domain name

Server0

Physical Config **Services** Desktop Programming Attributes

**SERVICES**

- HTTP
- DHCP
- DHCPv6
- TFTP
- DNS
- SYSLOG
- AAA
- NTP
- EMAIL**
- FTP
- IoT
- VM Management
- Radius EAP

EMAIL

SMTP Service ☒ ON ☐ OFF

POP3 Service ☒ ON ☐ OFF

Domain Name:

User Setup

User  Password

alan  
pratham

☐ Top

Webclient we are sending and receiving the main

PC0

Physical Config **Desktop** Programming Attributes

Compose Mail

To:

Subject:

hello Pratham,  
Alankritha here,how ru.



Physical Config **Desktop** Programming Attributes

Compose Mail X

Send To: pratham@gmail.com

Subject: hi

Hello Pratham,  
Alankritha here.

Physical Config **Desktop** Programming Attributes

MAIL BROWSER X

Mails

Compose Reply Receive Delete Configure Mail

	From	Subject	Received
1	pratham@gmail.com	hi	Tue Apr 9 2024 22:36:12

hi  
pratham@gmail.com  
Sent : Tue Apr 9 2024 22:36:12

hello Alankritha,  
Pratham here, how ru.

Receiving mail from POP3 Server 192.168.11.5  
Receive Mail Success.

Cancel  
Send/Receive

☐ Top

In Multi server we are enabling the write,read,delete,rename and list for admin as we created

Server0

Physical Config **Services** Desktop Programming Attributes

**SERVICES**

- HTTP
- DHCP
- DHCPv6
- TFTP
- DNS
- SYSLOG
- AAA
- NTP
- EMAIL
- FTP**
- IoT
- VM Management
- Radius EAP

FTP

Service ☒ On ☐ Off

User Setup

Username  Password

☒ Write ☒ Read ☒ Delete ☒ Rename ☒ List

	Username	Password	Permission	
1	cisco	cisco	RWDNL	Add
2	admin	admin	RWDNL	Save
				Remove

File

1	asa842-k8.bin
2	asa923-k8.bin
3	c1841-advipservicesk9-mz.124-15.T1.bin
4	c1841-ipbase-mz.123-14.T7.bin
5	c1841-ipbasek9-mz.124-12.bin

Remove

☐ Top

in Ftp comman prompt w

PC3

Physical Config **Desktop** Programming Attributes

Command Prompt

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ftp www.google.com
Trying to connect...www.google.com
Connected to www.google.com
220- Welcome to PT Ftp server
Username:admin
331- Username ok, need password
Password:
230- Logged in
(passive mode On)
ftp>
```

creating ans saving the textfile under text file

Physical Config Desktop Programming Attributes

Text Editor

File

Alankritha  
2347146  
pratham  
2347139

☐ Top

command to transferring the file to current node to server node

Physical Config **Desktop** Programming Attributes

### Command Prompt

```
ftp>put myfile.txt  
  
Writing file myfile.txt to www.google.com:  
File transfer in progress...  
  
[Transfer complete - 34 bytes]  
  
34 bytes copied in 0.077 secs (441 bytes/sec)
```

checking the directory

Physical Config **Desktop** Programming Attributes

## Command Prompt

```
34 bytes copied in 0.077 secs (441 bytes/sec)
ftp>dir
```

```
Listing /ftp directory from www.google.com:
```

```
0   : asa842-k8.bin                5571584
1   : asa923-k8.bin                30468096
2   : c1841-advipservicesk9-mz.124-15.T1.bin  33591768
3   : c1841-ipbase-mz.123-14.T7.bin  13832032
4   : c1841-ipbasek9-mz.124-12.bin  16599160
5   : c1900-universalk9-mz.SPA.155-3.M4a.bin  33591768
6   : c2600-advipservicesk9-mz.124-15.T1.bin  33591768
7   : c2600-i-mz.122-28.bin        5571584
8   : c2600-ipbasek9-mz.124-8.bin   13169700
9   : c2800nm-advipservicesk9-mz.124-15.T1.bin  50938004
10  : c2800nm-advipservicesk9-mz.151-4.M4.bin  33591768
11  : c2800nm-ipbase-mz.123-14.T7.bin  5571584
12  : c2800nm-ipbasek9-mz.124-8.bin  15522644
13  : c2900-universalk9-mz.SPA.155-3.M4a.bin  33591768
14  : c2950-i6q4l2-mz.121-22.EA4.bin  3058048
15  : c2950-i6q4l2-mz.121-22.EA8.bin  3117390
16  : c2960-lanbase-mz.122-25.FX.bin  4414921
17  : c2960-lanbase-mz.122-25.SEE1.bin  4670455
18  : c2960-lanbasek9-mz.150-2.SE4.bin  4670455
19  : c3560-advipservicesk9-mz.122-37.SE1.bin  8662192
20  : c3560-advipservicesk9-mz.122-46.SE.bin  10713279
21  : c800-universalk9-mz.SPA.152-4.M4.bin  33591768
22  : c800-universalk9-mz.SPA.154-3.M6a.bin  83029236
23  : cat3k_caa-universalk9.16.03.02.SPA.bin  505532849
24  : cgr1000-universalk9-mz.SPA.154-2.CG  159487552
25  : cgr1000-universalk9-mz.SPA.156-3.CG  184530138
26  : ir800-universalk9-bundle.SPA.156-3.M.bin  160968869
27  : ir800-universalk9-mz.SPA.155-3.M  61750062
28  : ir800-universalk9-mz.SPA.156-3.M  63753767
29  : ir800_yocto-1.7.2.tar         2877440
30  : ir800_yocto-1.7.2_python-2.7.3.tar  6912000
31  : myfile.txt                   34
32  : pt1000-i-mz.122-28.bin        5571584
33  : pt3000-i6q4l2-mz.121-22.EA4.bin  3117390
ftp>
```

☐ Top

## In Dns client we are Downloading the file



```
Physical  Config  Desktop  Programming  Attributes

Command Prompt

C:\>ftp www.google.com
Trying to connect...www.google.com
Connected to www.google.com
220- Welcome to PT Ftp server
Username:admin
331- Username ok, need password
Password:
230- Logged in
(passive mode On)
ftp>get myfile.txt

Reading file myfile.txt from www.google.com:
File transfer in progress...

[Transfer complete - 34 bytes]

34 bytes copied in 0 secs
```

```
PC2

Physical  Config  Desktop  Programming  Attributes

Command Prompt

34 bytes copied in 0 secs
ftp>dir

Listing /ftp directory from www.google.com:
0  : asa842-k8.bin                               5571584
1  : asa923-k8.bin                               30468096
2  : c1841-advipservicesk9-mz.124-15.T1.bin      33591768
3  : c1841-ipbase-mz.123-14.T7.bin               13832032
4  : c1841-ipbasek9-mz.124-12.bin                16599160
5  : c1900-universalk9-mz.SPA.155-3.M4a.bin      33591768
6  : c2600-advipservicesk9-mz.124-15.T1.bin      33591768
7  : c2600-i-mz.122-28.bin                       5571584
8  : c2600-ipbasek9-mz.124-8.bin                 13169700
9  : c2800nm-advipservicesk9-mz.124-15.T1.bin    50938004
10 : c2800nm-advipservicesk9-mz.151-4.M4.bin     33591768
11 : c2800nm-ipbase-mz.123-14.T7.bin            5571584
12 : c2800nm-ipbasek9-mz.124-8.bin              15522644
13 : c2900-universalk9-mz.SPA.155-3.M4a.bin      33591768
14 : c2950-i6q4l2-mz.121-22.EA4.bin            3058048
15 : c2950-i6q4l2-mz.121-22.EA8.bin            3117390
16 : c2960-lanbase-mz.122-25.FX.bin            4414921
17 : c2960-lanbase-mz.122-25.SE1.bin            4670455
18 : c2960-lanbasek9-mz.150-2.SE4.bin           4670455
19 : c3560-advipservicesk9-mz.122-37.SE1.bin    8662192
20 : c3560-advipservicesk9-mz.122-46.SE.bin     10713279
21 : c800-universalk9-mz.SPA.152-4.M4.bin        33591768
22 : c800-universalk9-mz.SPA.154-3.M6a.bin      83029236
23 : cat3k_caa-universalk9.16.03.02.SPA.bin     505532849
24 : cgr1000-universalk9-mz.SPA.154-2.CG        159487552
25 : cgr1000-universalk9-mz.SPA.156-3.CG        184530138
26 : ir800-universalk9-bundle.SPA.156-3.M.bin   160968869
27 : ir800-universalk9-mz.SPA.155-3.M           61750062
28 : ir800-universalk9-mz.SPA.156-3.M           63753767
29 : ir800_yocto-1.7.2.tar                     2877440
30 : ir800_yocto-1.7.2_python-2.7.3.tar        6912000
31 : myfile.txt                                34
32 : pt1000-i-mz.122-28.bin                    5571584
33 : pt3000-i6q4l2-mz.121-22.EA4.bin           3117390
ftp>
```

☐ Top

# Checking the Simulation

The screenshot displays the Cisco Packet Tracer interface. The main workspace shows a network topology with a central 2950-24 Switch0 connected to three devices: a web client (192.168.11.1), an email client (192.168.11.2), and a Multi server (192.168.11.5). The interface includes a top menu bar, a toolbar, and a bottom status bar. A terminal window for Server0 is open on the right, showing the following commands and output:

```
Cisco Packet Tracer SERVER Command Line 1.0
C:\>ping 192.168.11.1

Pinging 192.168.11.1 with 32 bytes of data:
```

The screenshot displays the Cisco Packet Tracer interface. The main workspace shows a network topology with a central 2950-24 Switch0 connected to three devices: a web client (192.168.11.1), an email client (192.168.11.2), and a Multi server (192.168.11.5). The interface includes a top menu bar, a toolbar, and a bottom status bar. A mail browser window for PC0 is open on the right, showing the following interface:

MAIL BROWSER

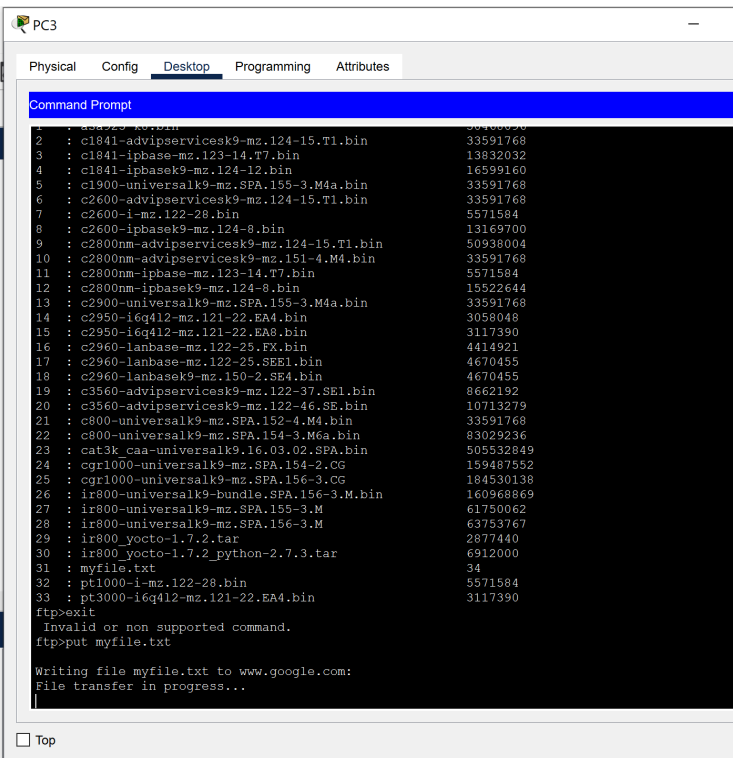
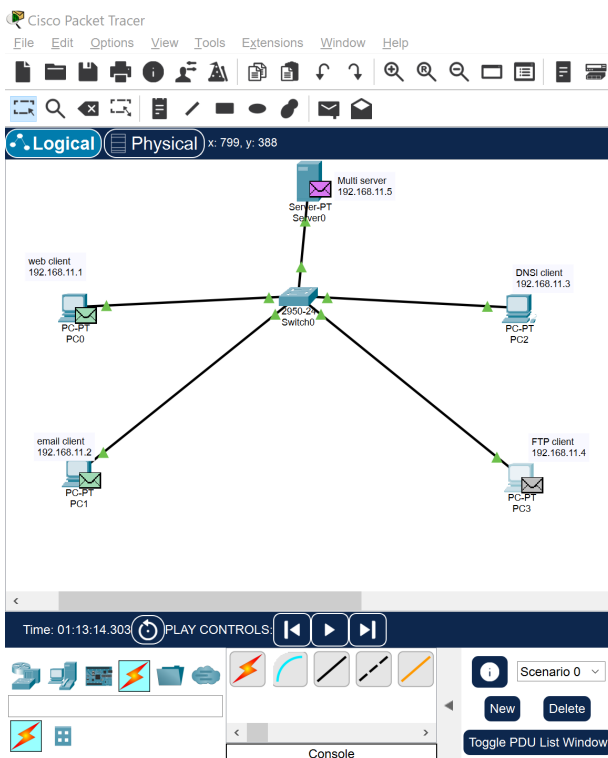
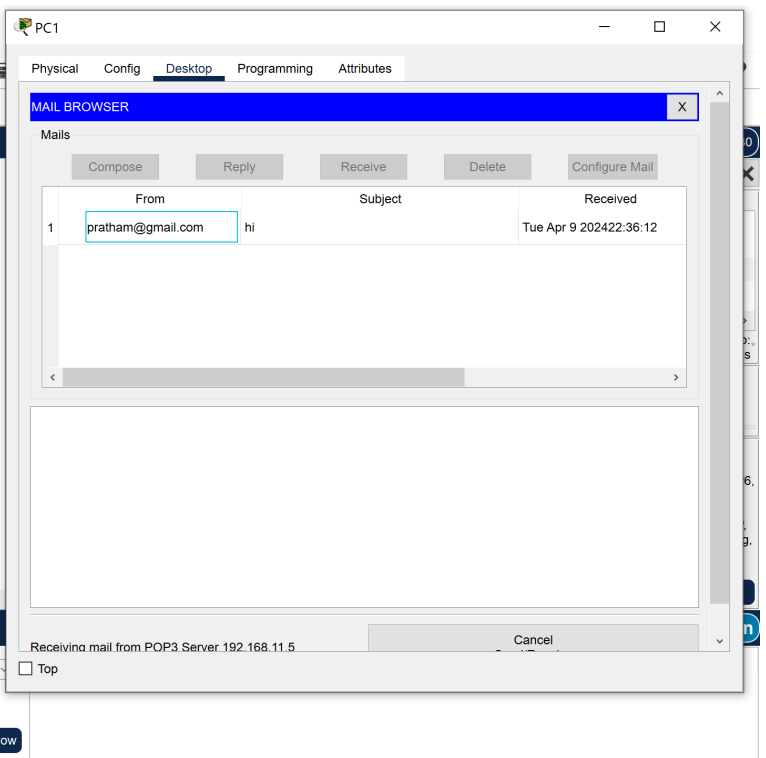
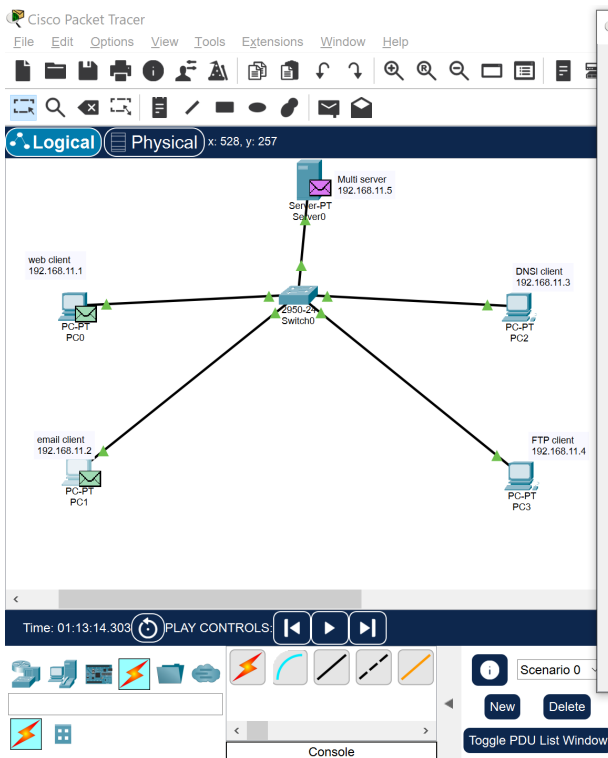
Mails

Compose Reply Receive Delete Configure Mail

From	Subject	Received
------	---------	----------

Sending mail to pratham@gmail.com , with subject : hi ... Mail Server: 192.168.11.5

Cancel Send/Receive





Cisco Packet Tracer

File Edit Options View Tools Extensions Window Help

Logical Physical x: 1123, y: 269

Root 17:47:00

Simulation Panel

Event List

Vis.	Time(sec)	Last Device
Visible	0.001	PC0
Visible	0.001	PC1
Visible	0.001	PC3

Reset Simulation ☒ Constant Delay Captured to: 0.001 s

Play Controls

Event List Filters - Visible Events

ACL Filter, ARP, BGP, Bluetooth, CAPWAP, CDP, DHCP, DHCPv6, DNS, DTP, EAPOL, EIGRP, EIGRPv6, FTP, H.323, HSRP, HSRPv6, HTTP, HTTPS, ICMP, ICMPv6, IPsec, ISAKMP, IoT, IoT TCP, LACP, LLDP, Meraki, NDP, NETFLOW, NTP, OSPF, OSPFv6, PAgP, POP3, PPP, PPPoE, PTP, RADIUS, REP, RIP, RIPng, RTP, SCCP, SMTP, SNMP, SSH, STP, SYSLOG, TACACS, TCP, TFTP, Telnet, UDP, USB, VTP

Edit Filters Show All/None

Time: 01:13:14.304 PLAY CONTROLS

Scenario 0 New Delete Toggle PDU List Window

Fire Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete

Console

Cisco Packet Tracer

File Edit Options View Tools Extensions Window Help

Logical Physical x: 1194, y: 251

Root 18:03:00

Simulation Panel

Event List

Vis.	Time(sec)	Last Device
Visible	0.001	PC0
Visible	0.001	PC1
Visible	0.001	PC3

Reset Simulation ☒ Constant Delay Captured to: 0.005 s

Play Controls

Event List Filters - Visible Events

ACL Filter, ARP, BGP, Bluetooth, CAPWAP, CDP, DHCP, DHCPv6, DNS, DTP, EAPOL, EIGRP, EIGRPv6, FTP, H.323, HSRP, HSRPv6, HTTP, HTTPS, ICMP, ICMPv6, IPsec, ISAKMP, IoT, IoT TCP, LACP, LLDP, Meraki, NDP, NETFLOW, NTP, OSPF, OSPFv6, PAgP, POP3, PPP, PPPoE, PTP, RADIUS, REP, RIP, RIPng, RTP, SCCP, SMTP, SNMP, SSH, STP, SYSLOG, TACACS, TCP, TFTP, Telnet, UDP, USB, VTP

Edit Filters Show All/None

Time: 01:13:14.308 PLAY CONTROLS

Scenario 0 New Delete Toggle PDU List Window

Fire Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete

Console