

COMPUTER NETWORKS LAB



LAB TASK # 06

Submitted By

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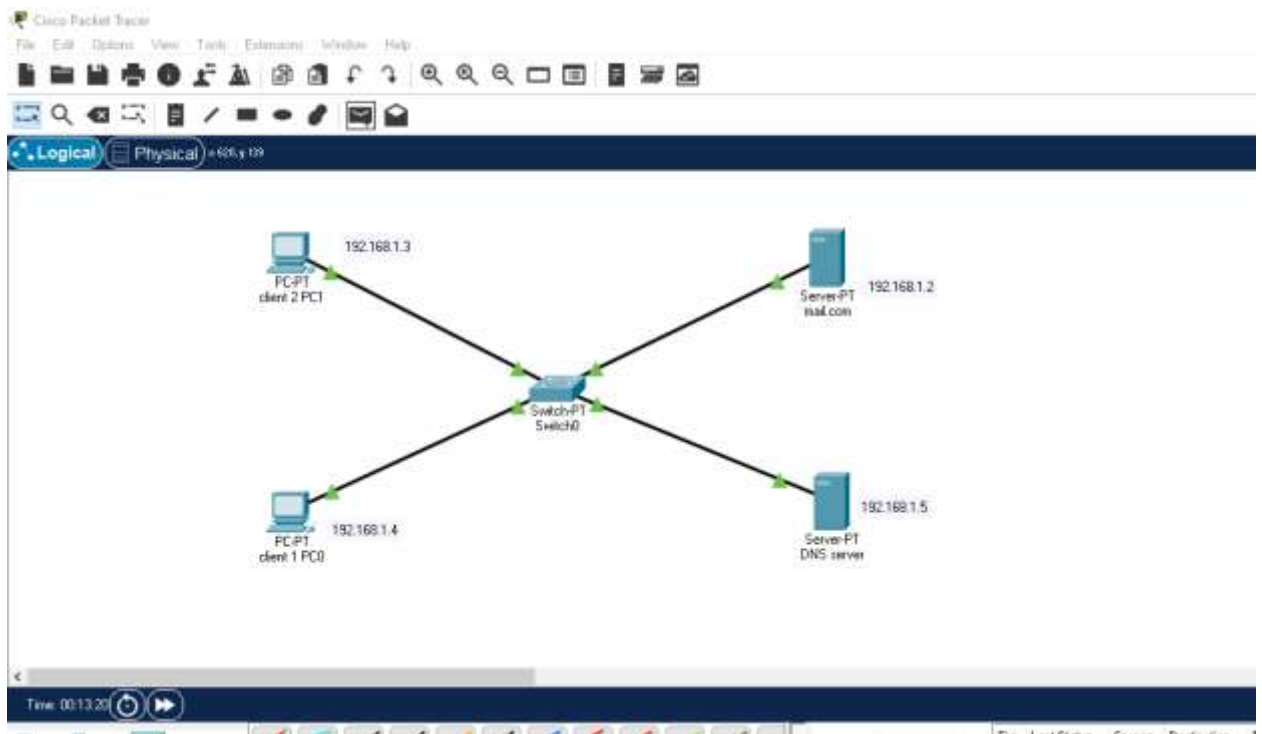
Fast National University of Computer and Emerging

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Department of Computer Science

Task 1: How to configure an email server in Packet Tracer:

1. Build the network topology:



2. Configure IP addresses on the PCs, DNS Server and the Mail Server:

- Mail Server IP address: 192.168.1.2
- PC0 IP address: 192.168.1.4
- PC1 IP address: 192.168.1.3
- DNS server IP address: 192.168.1.5

3. Configure mail on the PCs and mail service on the generic server:

PC0:

The screenshot shows a window titled 'client 1 PC0' with a tabbed interface. The 'Desktop' tab is selected, displaying a 'Configure Mail' dialog box. The dialog has three sections: 'User Information', 'Server Information', and 'Logon Information'. In the 'User Information' section, 'Your Name' is 'client1' and 'Email Address' is 'client1@mail.com'. In the 'Server Information' section, both 'Incoming Mail Server' and 'Outgoing Mail Server' are 'mail.com'. In the 'Logon Information' section, 'User Name' is 'client1' and 'Password' is masked with dots. At the bottom are 'Save', 'Clear', and 'Reset' buttons. A 'Top' link is at the bottom left of the window.

User Information	
Your Name:	client1
Email Address	client1@mail.com

Server Information	
Incoming Mail Server	mail.com
Outgoing Mail Server	mail.com

Logon Information	
User Name:	client1
Password:

Buttons: Save, Clear, Reset

[Top](#)

PC1:

The screenshot shows a window titled 'client 2 PC1' with a tabbed interface. The 'Desktop' tab is selected, displaying a 'Configure Mail' dialog box. The dialog has three sections: 'User Information', 'Server Information', and 'Logon Information'. In the 'User Information' section, 'Your Name' is 'client2' and 'Email Address' is 'client2@mail.com'. In the 'Server Information' section, both 'Incoming Mail Server' and 'Outgoing Mail Server' are 'mail.com'. In the 'Logon Information' section, 'User Name' is 'client2' and 'Password' is masked with dots. At the bottom are 'Save', 'Clear', and 'Reset' buttons. A 'Top' link is at the bottom left of the window.

User Information	
Your Name:	client2
Email Address	client2@mail.com

Server Information	
Incoming Mail Server	mail.com
Outgoing Mail Server	mail.com

Logon Information	
User Name:	client2
Password:

Buttons: Save, Clear, Reset

[Top](#)

Mail Server:

Next, we'll configure the email server.

The screenshot shows the 'mail.com' configuration window with the 'Services' tab selected. On the left, a 'SERVICES' list includes HTTP, DHCP, DHCPv6, TFTP, DNS, SYSLOG, AAA, NTP, EMAIL (highlighted), FTP, IoT, VM Management, and Radius EAP. The main area is titled 'EMAIL' and contains two sections: 'SMTP Service' and 'POP3 Service', both with 'ON' radio buttons selected. Below these is a 'Domain Name' field set to 'mail.com' with a 'Set' button. The 'User Setup' section has a 'User' field with 'client1' and a 'Password' field with 'client2'. A list below shows 'client1' and 'client2', with 'client1' selected. To the right of this list are buttons for '+', '-', 'Change', and 'Password'.

DNS Server:

Next, we'll configure the DNS server.

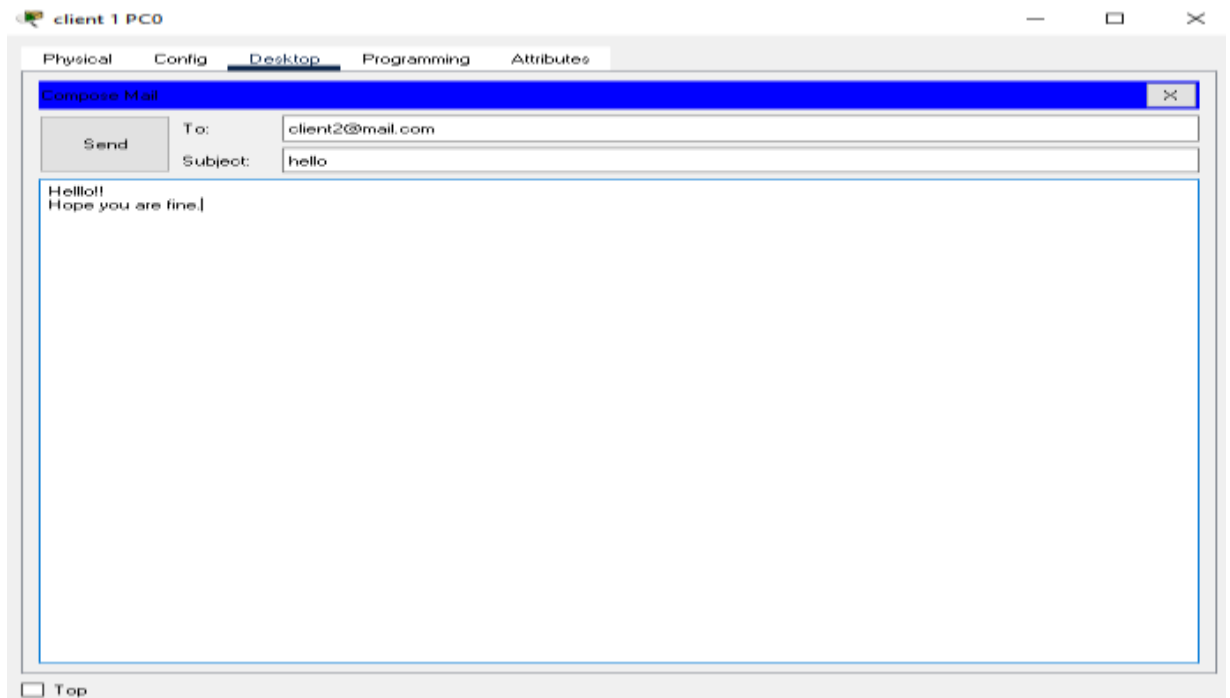
The screenshot shows the 'DNS server' configuration window with the 'Services' tab selected. On the left, a 'SERVICES' list includes HTTP, DHCP, DHCPv6, TFTP, DNS (highlighted), SYSLOG, AAA, NTP, EMAIL, FTP, IoT, VM Management, and Radius EAP. The main area is titled 'DNS' and contains a 'DNS Service' section with the 'On' radio button selected. Below is a 'Resource Records' section with a 'Name' field, a 'Type' dropdown set to 'A Record', and an 'Address' field. There are 'Add', 'Save', and 'Remove' buttons. A table below lists the resource records:

No.	Name	Type	Detail
0	mail.com	A Record	192.168.1.2

At the bottom left, there is a 'DNS Cache' button and a 'Top' link.

4. Lastly test the email service.

Sending:



Receiving:

