

LAB OUTPUT:

TOPOLOGY:

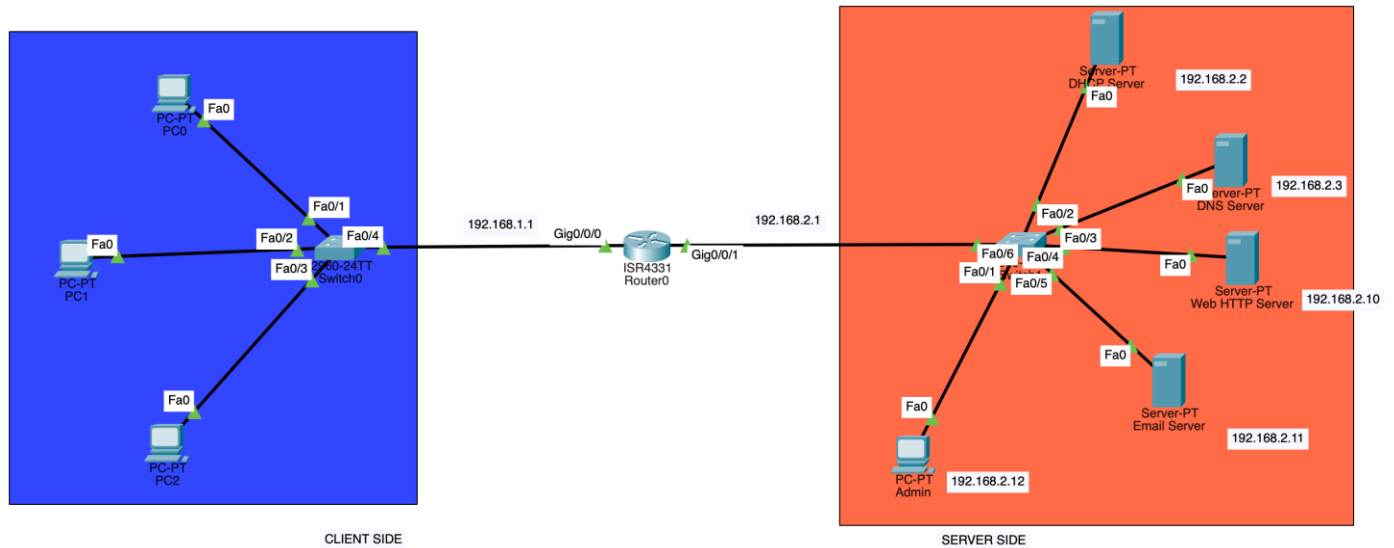


Fig: Topology structure of a client-server architecture

Services

HTTP

DHCP

DHCPv6

TFTP

DNS

SYSLOG

AAA

NTP

EMAIL

FTP

IoT

VM Management

Radius EAP

Physical

Config

Services

Desktop

Programming

Attributes

DHCP

Interface

FastEthernet0

Service

On

Off

Pool Name

serverPool

Default Gateway

192.168.2.1

DNS Server

192.168.2.3

Start IP Address :

192

168

2

10

Subnet Mask:

255

255

255

0

Maximum Number of Users :

20

TFTP Server:

0.0.0.0

WLC Address:

0.0.0.0

Add

Save

Remove

Pool Name	Default Gateway	DNS Server	Start IP Address	Subnet Mask	Max User	TFTP Server	WLC Address
serverPool	192.16...	192.16...	192.16...	255.25...	20	0.0.0.0	0.0.0.0
ServerPool	192.16...	192.16...	192.16...	255.25...	20	0.0.0.0	0.0.0.0
ClientPool	192.16...	192.16...	192.16...	255.25...	10	0.0.0.0	0.0.0.0

Top

Fig: DHCP configuration for server side from DHCP server

DNS Server

Physical Config Services **Desktop** Programming Attributes

IP Configuration [X]

IP Configuration

☐ DHCP ☒ Static

IPv4 Address: 192.168.2.3

Subnet Mask: 255.255.255.0

Default Gateway: 192.168.2.1

DNS Server: 192.168.2.3

Fig: IP configuration for DNS server

DNS Server

Physical Config **Services** Desktop Programming Attributes

SERVICES

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

DNS

DNS Service: ☒ On ☐ Off

Resource Records

Name: Type: A Record [C]

Address:

Add Save Remove

No.	Name	Type	Detail
0	kristal1.com	A Record	192.168.2.10
1	kristal2.com	A Record	192.168.2.10

DNS Cache

☐ Top

Fig: adding DNS and address to DNS server

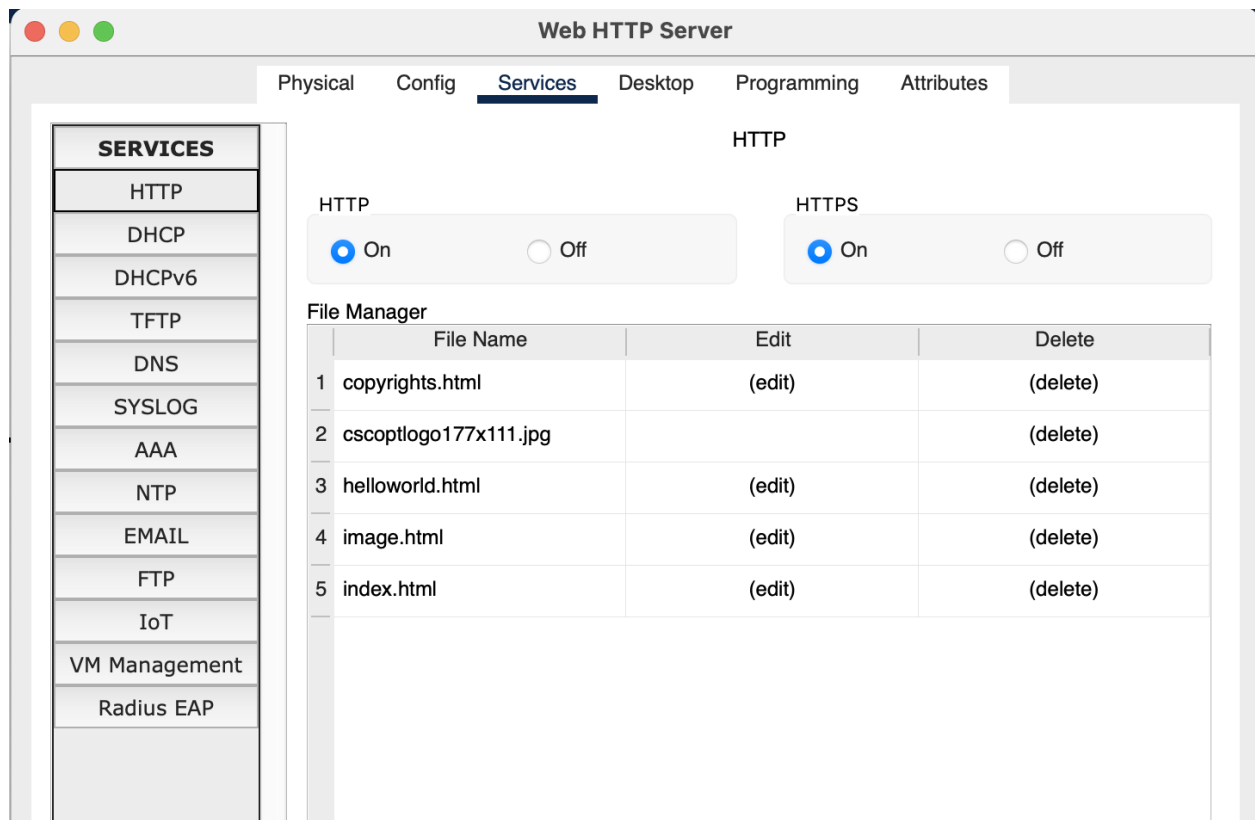


Fig: activating Services from web HTTP server

PhysicalConfigServicesDesktopProgrammingAttributes

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: kristalmail.com

Set

User Setup

UserPassword

user1

user2

user3

+

-

Change

Password

Fig: adding Domain name and registering email accounts in Email Server

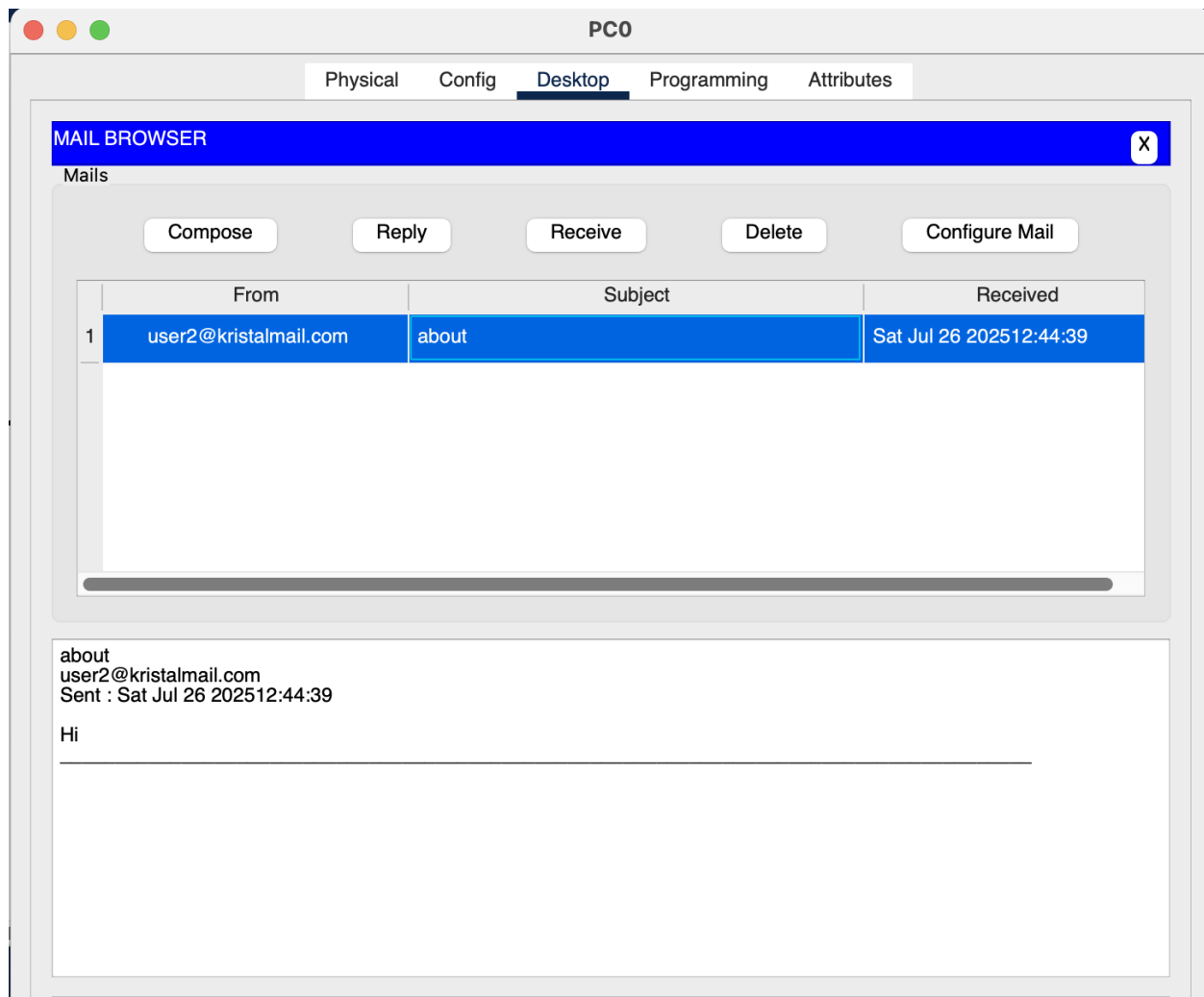


Fig: received email from the server-side pc to client-side pc

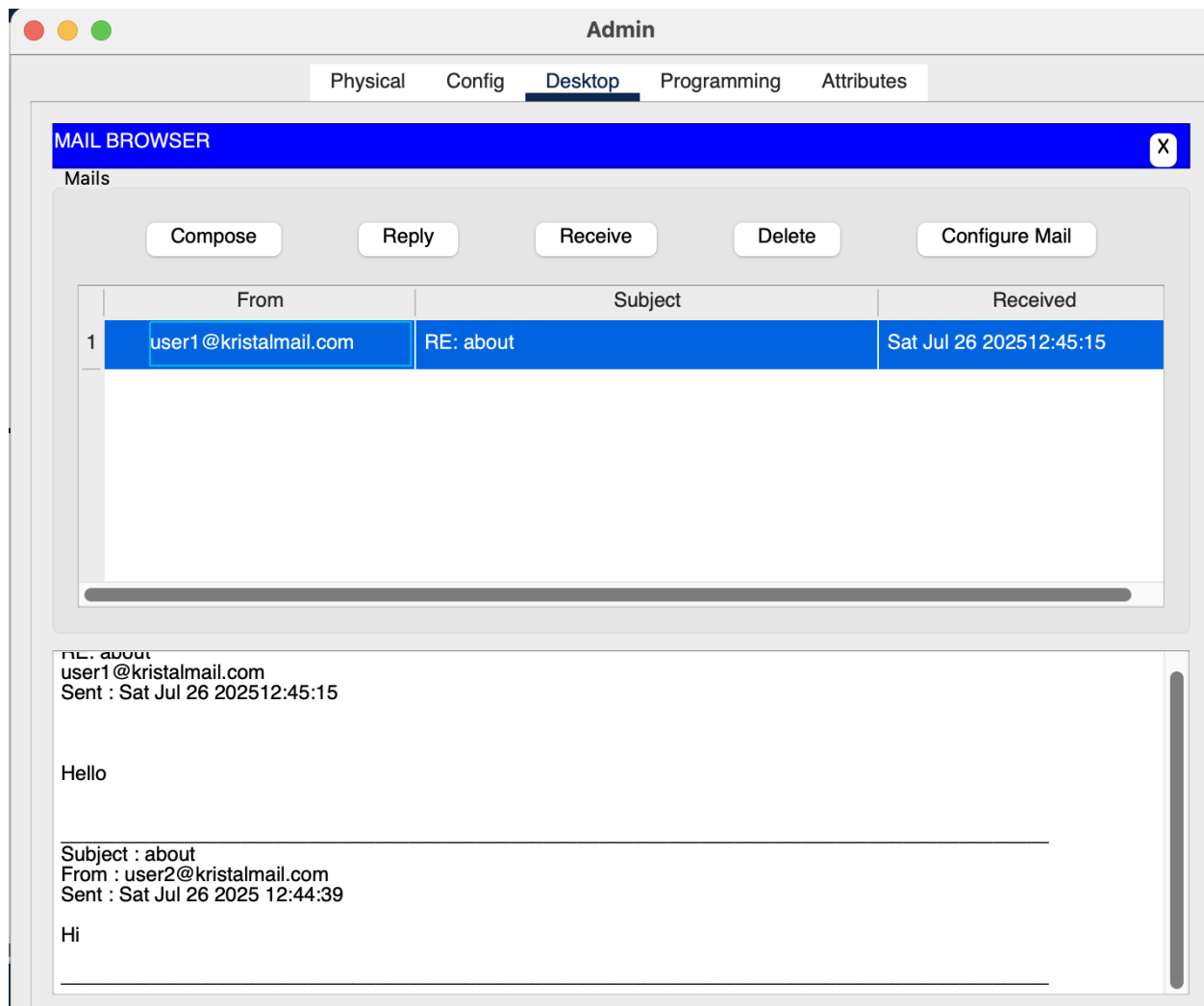


Fig: received email from client-side to server-side pc

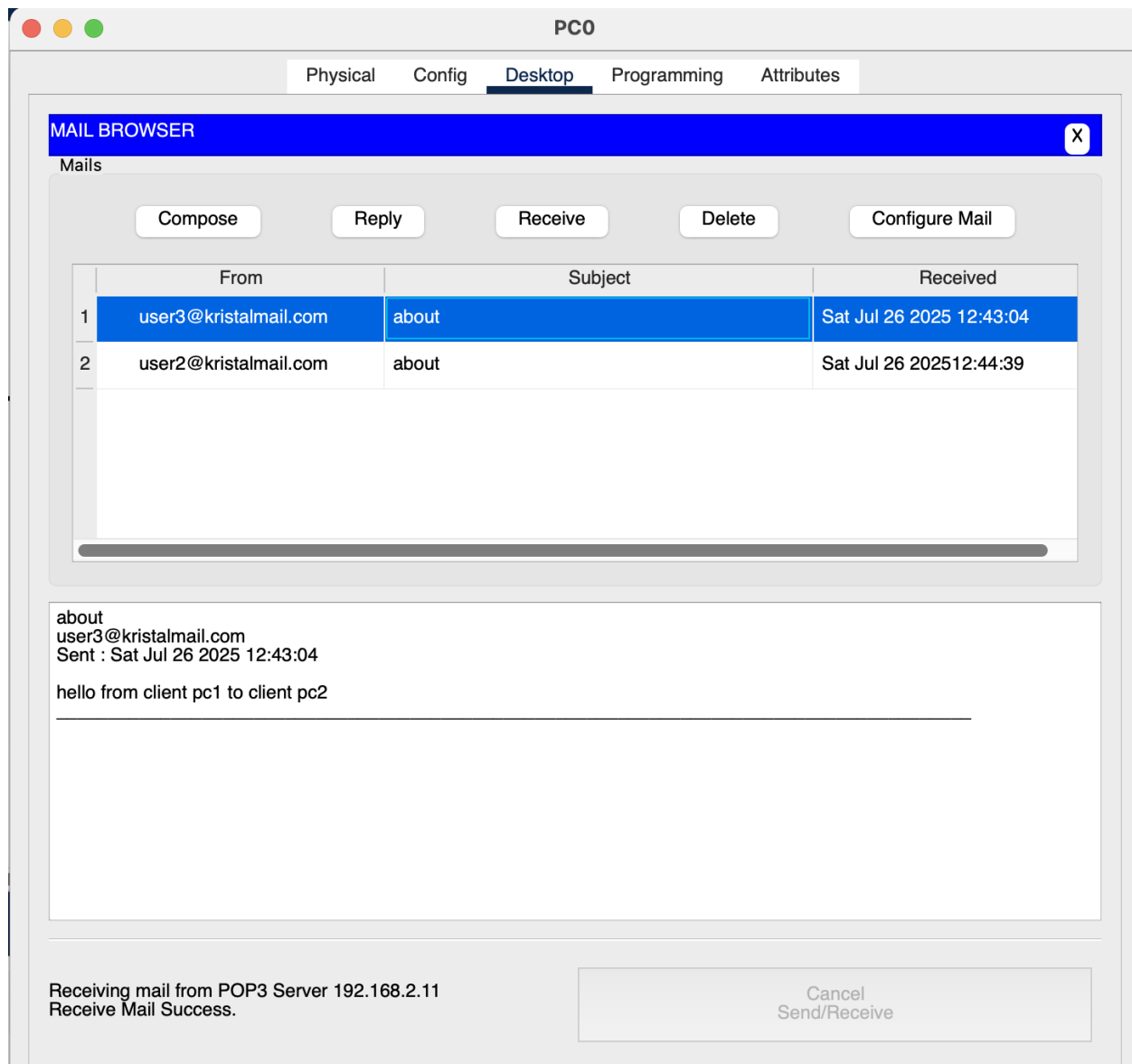


Fig: received email from client side pc2 to client side pc3
both registered emails