Mail Services diagram

- server to server
- Mail5.yahoo.com
- MB Ahmed
- https pop3 imap4 ....
- Ahmed@yahoo.com
- 2.2.2.2
- SMTP 25 works as
- mail1.hotmail.com — Mail Server
- MB hany mails
- Mail
- hany root
- 1.1.1.1
- ahmed@yahoo.com
- I want to get data from mail5.yahoo.com but how to get these
- Public DNS
  - zone
  - yahoo.com
  - mail5 A 2.2.2.2
  - mail5 MX yahoo.com *mail exchange record*
- public DNS server answers these questions
- https pop3 imap4 .... client to server — works as
- protocols use to connect user to his mail server
- Client Hany@hotmail.com
- To : Ahmed@yahoo.com
- outlook — MUA Mail user Agent
- Mail server for yahoo.com ?????   mail5.yahoo.com
- Mail Server IP Address   ?????   2.2.2.2
- MTA
- MTA Mail Transport Agent   SMTP
- Server Like MS Exchange
- Postfix linux
- send server linux
- Qmail ,Zembra mail Server ....

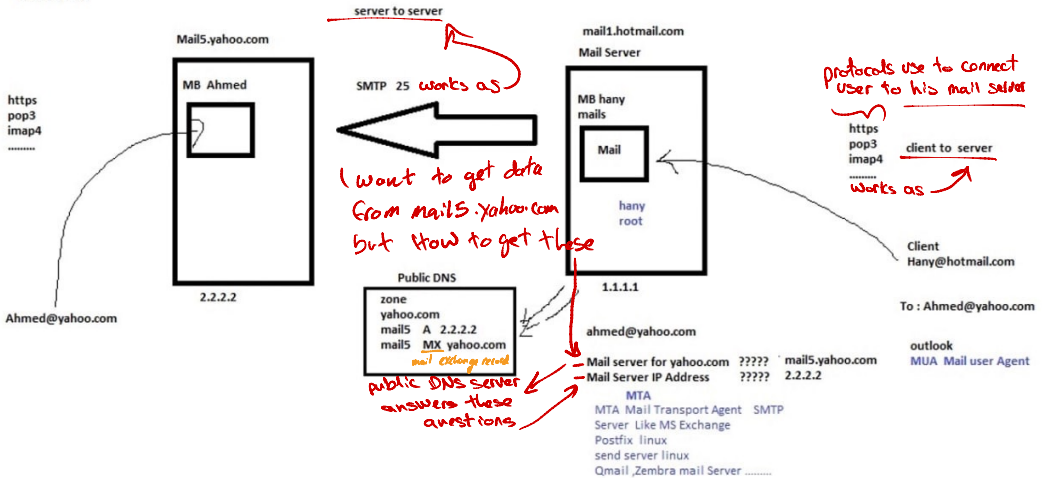
① go to microsoft remote connectivity analyser → exchange Server
   → Inbound SMTP Email → enter any email to test.

Steps used to get server email for   Ibrahim@yahoo.co.uk

① Asking DNS for MX record for "yahoo.co.uk" domain name.
   to get the mail server where my emails are hosted.

② Asking DNS for the Ip of the domain name.

③ test if 25 port on the domain name is open? if yes

④ test if email exists.

```
SMTP Server "Postfix Server"

# vim /etc/hosts
10.0.0.100        mail1.abc.com
# vim /etc/hostname
mail1.abc.com
# hostname mail1.abc.com

# yum install postfix
# vim /etc/postfix/main.cf                    configuration file for postfix
95 myhostname = mail1.abc.com
102 mydomain = abc.com
118 myorigin = $mydomain        ← @abc.com
132 inet_interfaces = all        → declare from which interface to recieve SMTP traffic (Instead of all you can enter IP)
184 mydestination = $myhostname, localhost.$mydomain, localhost, $mydomain
283 mynetworks = 10.0.0.0/8, 127.0.0.0/8  → declare server network.
438 home_mailbox = Maildir/      → which folder to make users recieve their emails.

# systemctl enable postfix.service --now
# systemctl status postfix.service

# firewall-cmd --add-service=smtp --permanent
# firewall-cmd --reload
# firewall-cmd --list-services
```

```
telnet to smtp port:-
# yum install telnet
```

```
[root@Server100 ~]# telnet localhost 25          connect to port 25
Trying ::1...
Connected to localhost.
Escape character is '^]'.
220 mail1.abc.com ESMTP Postfix
mail from:<root>                                 sender
250 2.1.0 Ok
rcpt to:<hany>                                   recipient
250 2.1.5 Ok
data
354 End data with <CR><LF>.<CR><LF>
welcome hany it is a test mail from my           messeage body text
root system admin
hiiiiiiiiiiiiiiiii
.                                                . send messeage
250 2.0.0 Ok: queued as 68189409E18C
quit
221 2.0.0 Bye
Connection closed by foreign host.
```

The email Sent from root user to hany user !
,So hany email's will be found und hany directory /Maildir/new