SMTP CONFIGURATION

Simple Mail Transfer Protocol:

It is a communication protocol used for sending and receiving email messages over the internet.

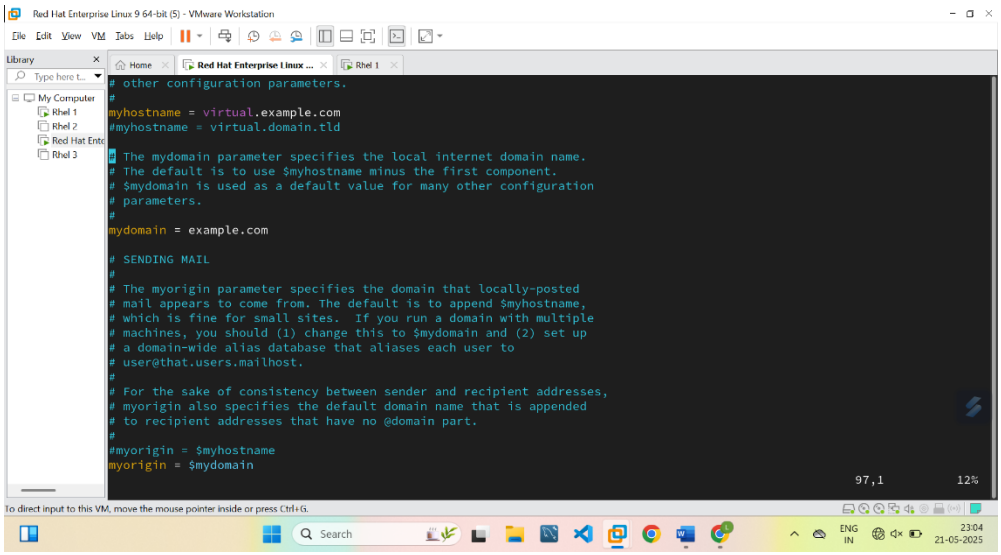
Mail Transfer Agents(MTA):

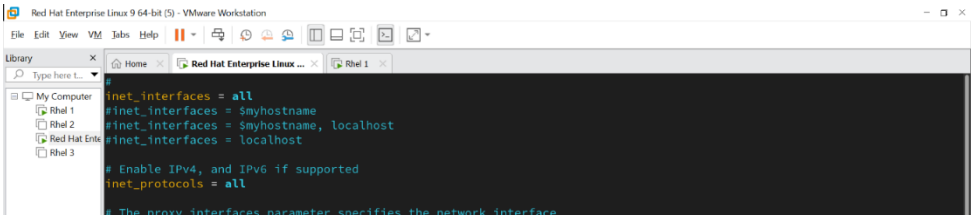
Mail Transfer Agents are software that facilitates the transfer of email messages between computers using the Simple Mail Transfer Protocol (SMTP). They act as intermediaries, ensuring emails are reliably delivered between senders and recipients, whether locally or across the internet.

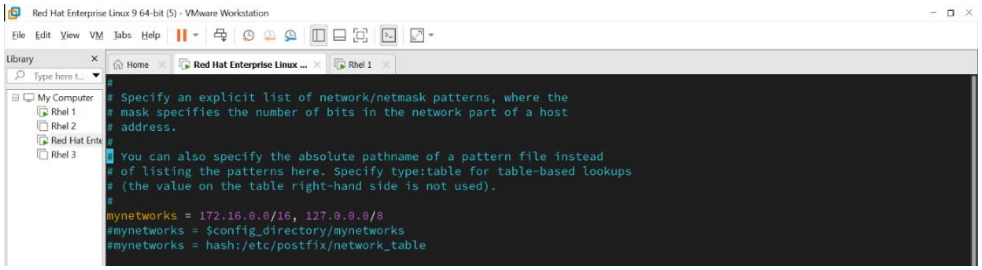
Configuration:

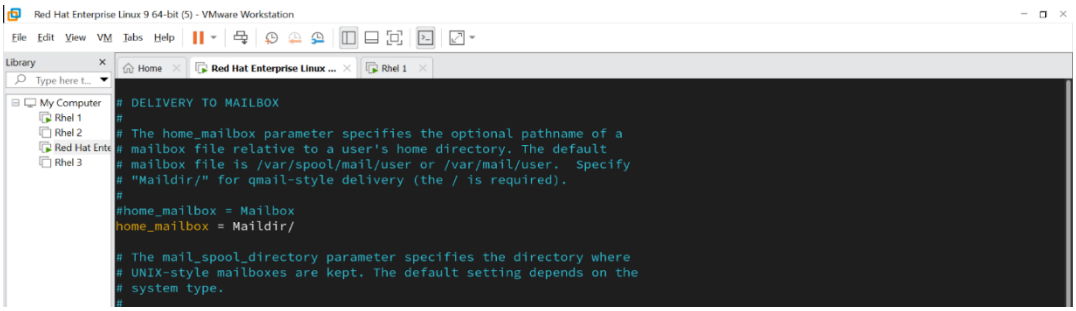
Server:

1. Install postfix and s-nail service.
   yum install postfix (MTA)
   yum install s-nail (mail user agent-MUA)
2. Enable the service to start at boot
   yum enable - -now postfix
3. Edit the postfix configuration file
   vim /etc/postfix/main.cf
4. Edit the following parameters
   myhostname = virtual.example.com
   mydomain = example.com
   myorigin = $mydomain
   inet_interfaces = all
   inet_protocols = all
   mydestination = $myhostname, localhost.$mydomain, localhost, $mydomain
   mynetworks = 172.16.0.0/16, 127.0.0.0/8
   home_mailbox = Maildir/









5. Restart the postfix service

   systemctl restart postfix

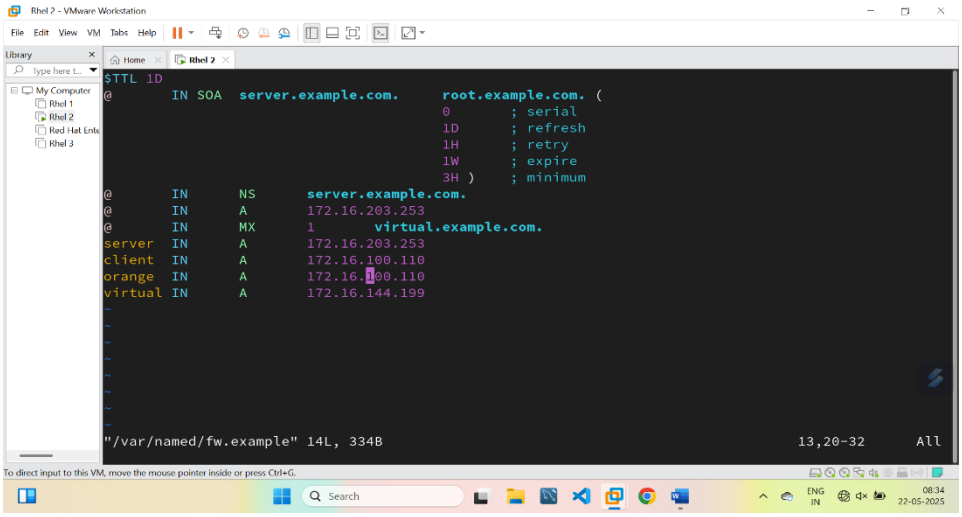
6. Add the service to firewall

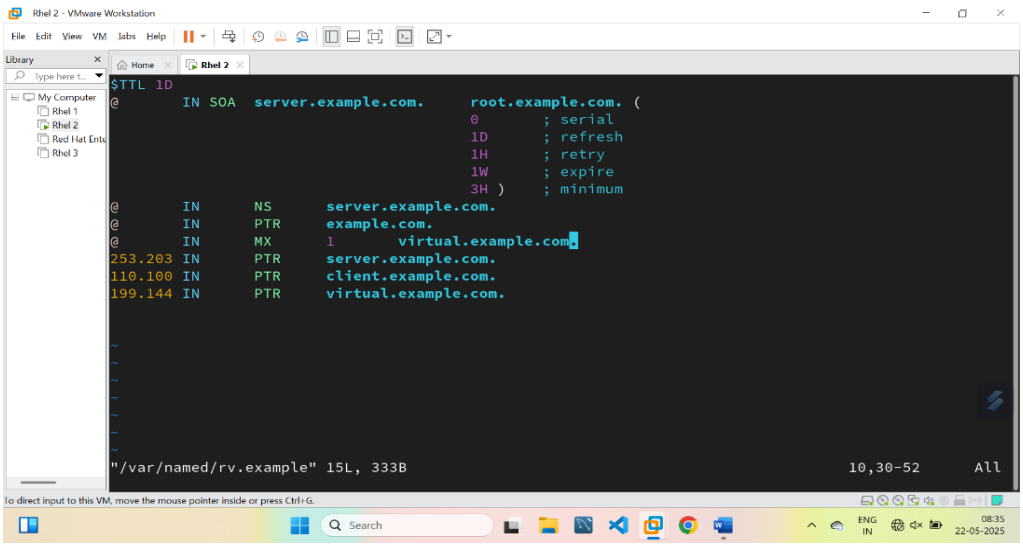
   firewall-cmd - -add-service=smtp - -permanent

   firewall-cmd - -reload

   firewall-cmd - -list-all

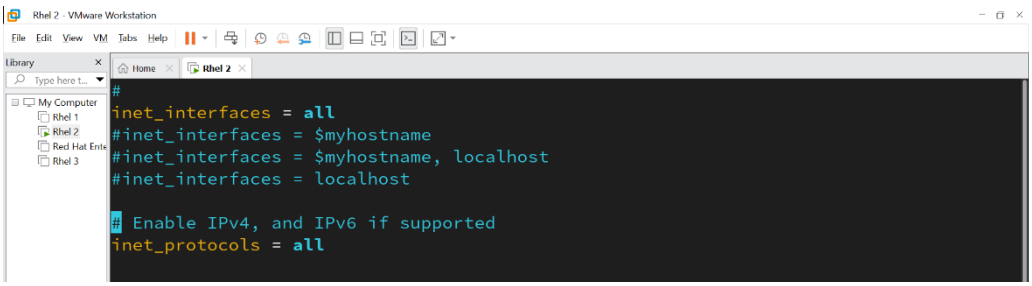
7. Add the server to DNS

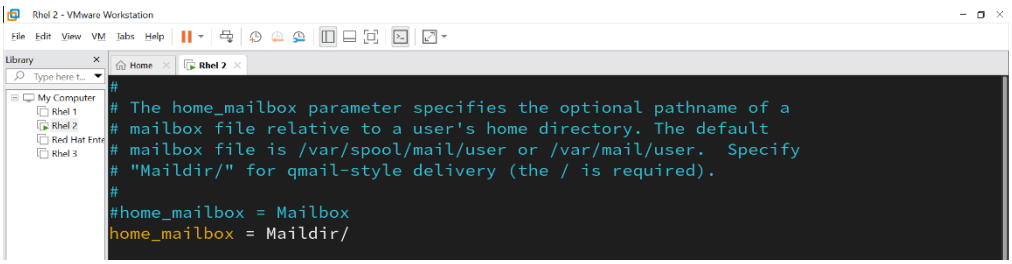




Client:

- Install postfix and s-nail packages
  yum install postfix
  yum install s-nail
- Enable the package to start at boot
  systemctl enable - -now postfix
- Edit the following parameters in postfix configuration file
  inet_interfaces = all
  inet_protocols = all
  home_mailbox = Maildir/





- Add the service to firewall

  firewall-cmd - -add-port=25 - -permanent

  firewall-cmd - -reload

  firewall-cmd - -list-all

Working:

Mail server – virtual.example.com

Client machines – server.example.com

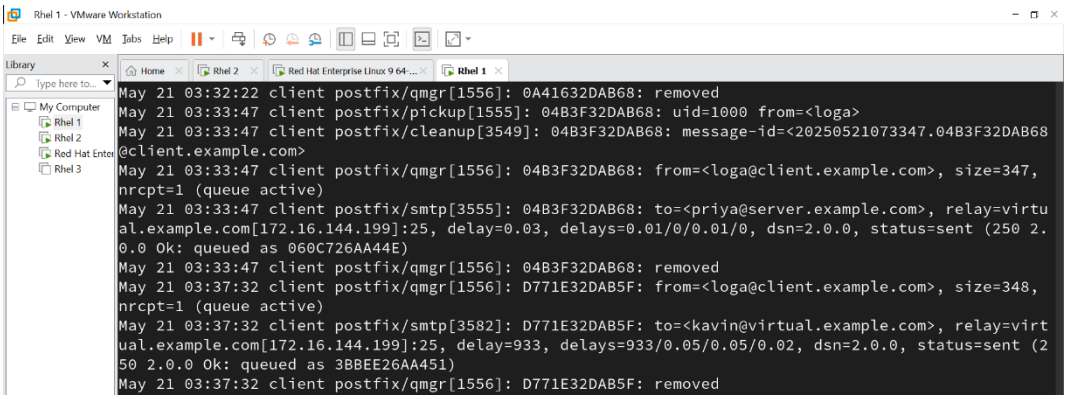
client.example.com

Send the mail between the machines to check the working of smtp

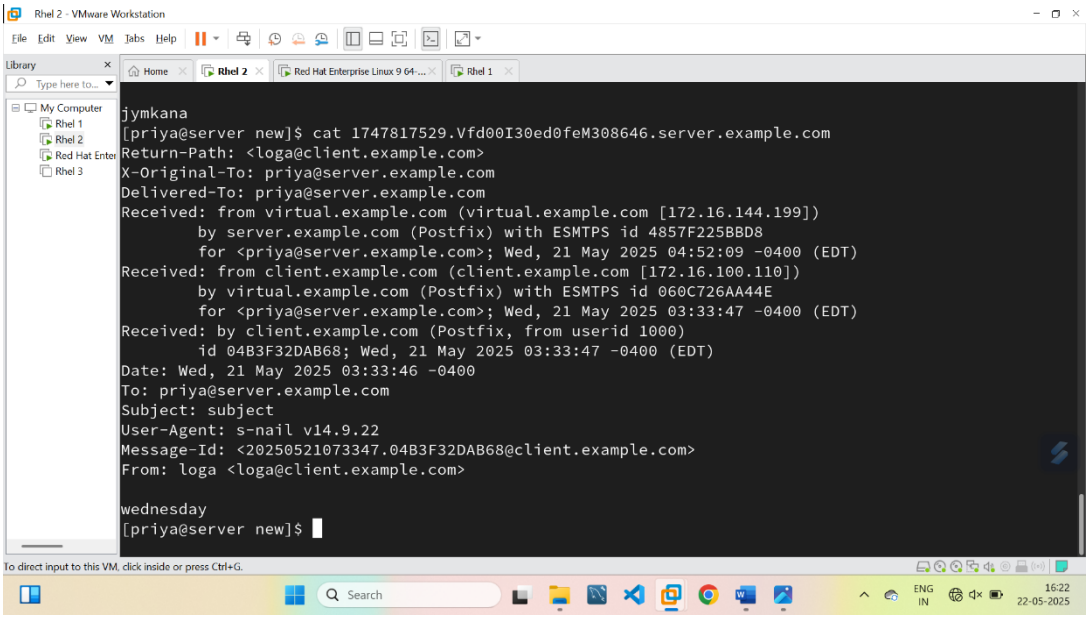
echo “<contents>” | mail -s “<subject> ” user@hostname

- Sending the mail from loga@client.example.com to priya@server.example.com
- Verify the status of the mail by checking the log file in client.example.com machine

  /var/log/maillog



- Verify whether the mail has received or not in server.example.machine as a Priya user, by checking the mail file in /home/riya/Maildir/new and open the respective mail file.



Same way mail can be sent between all the three machines.