**Overview:**

Dovecot is an open-source service for IMAP and POP3 used for lightweight and secure mail server available.

**Mailbox server (POSTFIX) Installation steps on Linux**

**STEPS**

* Installing Dovecot
* Configuring Postfix
* Creating Mailboxes / Users
* Testing from the command line
* RedHat’s internal firewall

**STEP 1**

**Installing Dovecot -**

* sudo yum install dovecot -y
* Edit the /etc/dovecot/dovecot.conf
* Uncomment the following line /create the following
* protocols = imap pop3 lmtp
* listen = \*

**Start and ensure the service startup after reboot**

* vi /etc/dovecot/conf.d/10-mail.conf
* mail\_location = mbox:~/mail:INBOX=/var/mail/%u
* vi /etc/dovecot/conf.d/10-auth.conf
* disable\_plaintext\_auth = no
* vi /etc/dovecot/conf.d/10-ssl.conf

**Confirm / fix the following lines to read**

ssl\_cipher\_list = ALL:!LOW:!SSLv2:!EXP:!aNULL:!SSLv3

ssl = yes

**Rename the following**

* /etc/pki/dovecot/certs/dovecot.pem
* /etc/pki/dovecot/private/dovecot.pem

**Execute**

/usr/libexec/dovecot/mkcert.sh

* systemctl start dovecot
* systemctl enable dovecot

**STEP 2**

Postfix is used to relay mail locally or to the intended destination outside the network,

**Install Postfix**

* sudo yum install postfix -y

Take a backup of the following files /etc/postfix/main.cf and /etc/postfix/

* vi /etc/postfix/main.cf file make the following changes (uncomment or edit).
* inet\_interfaces = all
* inet\_protocols = ipv4 (instead of all)
* myhostname = hostname (Replace hostname with the short name for the server)
* home\_mailbox = Maildir/
* mydestination = (list of domains this server thinks it is authoritative for separate with comma and speace) example: $myhostname, abc.com, axy.net. etc

**Also make below changes**

* mydomain = fxy.net
* myorigin = $mydomain
* relayhost = mailrelay.fxy.net
* message\_size\_limit = 26214400 #Add this line depend on the **(To increase the default of ~50 MB limit to ~100mb. If you don’t the server will bounce additional emails.)**

**Run command below to make postfix as default MTA for your system using the following command**

Note: (if this doesn't work, try the other command. You only need to run one of this commands)

* alternatives --set mta /usr/sbin/postfix
* alternatives --set mta /usr/sbin/sendmail.postfix
* vi /etc/postfix/master.cf file make the following changes

**Comment out the line:**

* 127.0.0.1:smtp inet n - n - - smtpd

**Uncomment the line below it:**

* smtp inet n - n - - smtpd

**Start the Service**

* systemctl start postfix
* systemctl enable postfix

**Ensure port 25 is enable**

* sudo firewall-cmd --permanent --add-port=25/tcp
* sudo firewall-cmd --permanent --add-port=587/tcp
* netstat -plant | grep 25
* netstat -plant | grep 25
* netstat -anl | grep 110
* netstat -anl | grep 143
* systemctl start postfix
* systemctl enable postfix

**Testing**

* nc -zv hostname 25
* hello xyz.com
* mail from: yourName#xyz.com
* rcpt to: myusername@xyz.com
* data
* From: myusername@xyx.com
* To: someusernmae@xyz.com
* Subject: Testing the mail server
* <blank line>
* Type your sample message bla bla bla
* (This line has only a period, it is a terminator to the data command)
* Quit

**Create Mailboxes (User/s)**

* useradd -d /export/home/mailuser01 mailuser01
* passwd mailuser01

**Test**

* echo “hello world” | mail –s “test” mailuser01
* chmod 600 /var/mail/<username>