

SETTING MAIL SERVER WITH POSTFIX,DOVECOT AND SQUIRREL MAIL IN CENTOS SERVER

ALL THE STEPS:

POSTFIX

step 1) Assign a Static ip address in the server
[read the ip address section about how to give a static ip address]

address that is used:

ip:192.168.0.100

subnet mask : 255.255.255.0

gateway: 192.168.0.1

dns: 8.8.8.8

your ip address can be different then this.

step 2) change the hostname and give a FQDN (FULLY QUALIFIED
DOMAIN NAME)

hostname : mailserver.it.local

=>hostnamectl set-hostname mailserver.it.local

=>exec bash

step 3) give a hostname entry at the **‘/etc/hosts’** file

=>**vim /etc/hosts**

192.168.0.100 mailserver.it.local mailserver

step 4) Test the domain name with a ping

=> **ping mailserver.it.local**

step 5) Disable the Selinux from '**enforcing**' to '**disabled**' in the file

'/etc/sysconfig/selinux'

SELINUX=disabled

step 6) Update the repository

=> **yum update**

step 7) install the epel-release

=> **yum install epel-release -y**

=> **yum update**

step 8) Allow the default Apache port 80 through your firewall

=> firewall-cmd --permanent --add-port=80/tcp
=> firewall-cmd --reload

step 9) Install the Postfix package

=> yum install postfix -y

ADDITIONAL STEPS:

[IF YOU USE VIM EDITOR.EDIT A FILE NAME '.vimrc' IN THE HOME DIRECTORY AND ADD LINE 'set number'.AFTER THAT YOU CAN SEE THE LINE NUMBER IN THE TEXT FILE.

]

step 10) configure **postfix**

CONFIGURE POSTFIX

step 1) Edit the /etc/postfix/main.cf file

=>vim /etc/postfix/main.cf

MAKE THE FOLLOWING CHANGES

[go to line 75]

I) uncomment and change the hostname and set your hostname

=>myhostname = mailserver.it.local

[go to line 83]

II) uncomment and change the domainname and set your domainname

=>mydomain = it.local

[go to line 98]

III) uncomment th line

=>myorigin = \$myhostname

[go to line 99]

IV) uncomment the line

myorigin = \$mydomain

[go to line 113]

V) uncomment the line

=>inet_interface = all

[go to line 119]

VI) uncomment the line

=>inet_protocols = all

[go to line 166]

VII) uncomment the line

**=>mydestination = \$myhostname, localhost.\$mydomain, localhost,
\$mydomain,**

[go to line 264]

VIII) uncomment the line and add your ip address with CIDR notation

=> mynetworks = 192.168.0.100/24, 127.0.0.0/8

[go to line 419]

IX) uncomment the line

=> home_mailbox = Maildir/

X) save and exit the file

step 11) restart the postfix server

=> systemctl restart postfix

step 12) Check the status of the postfix server

=> systemctl status postfix

step 13) Enable the postfix server to run on boot time

=> systemctl enable postfix

[create some user at the last potion]

postfix ends here

DOVECOT

step 14) Install dovecot packages
=> **yum install dovecot -y**

CONFIGURE DOVECOT

I) edit '/etc/dovecot/dovecot.conf'

=> vim /etc/dovecot/dovecot.conf

[go to line 24]

I) uncomment the line

=>protocols = imap pop3 lmtp

II) edit '/etc/dovecot/conf.d/10-mail.conf'

=> vim /etc/dovecot/ conf.d/10-mail.conf

[go to line 24]

I) uncomment the line

=>mail_location = maildir:~/Maildir

III) edit '/etc/dovecot/conf.d/10-auth.conf'

=> vim /etc/dovecot/ conf.d/10-auth.conf

[go to line 10]

I) uncomment the line

=>disable_plaintext_auth = yes

[go to line 100]

II) add the word 'login'

=>auth_mechanisms = plain login // just add login after plain

IIV) edit ‘/etc/dovecot/conf.d/10-master.conf’

=> vim /etc/dovecot/ conf.d/10-auth.conf

[go to line 91 and 92]

I) uncomment the line and add user ‘postfix’ and group ‘postfix’

=>

```
unix_listener auth-userdb  
{  
    #mode = 0666                # no change  
    user = postfix             # add postfix  
    group = postfix           # add postfix  
}
```

V) Save and exit

step 15) restart the dovecot server

=> systemctl restart dovecot

step 16) Check the status of the postfix server

=> systemctl status dovecot

step 17) Enable the postfix server to run on boot time

=> systemctl enable dovecot

SQUIRREL MAIL

step 16) Install squirrelmail packages

=> yum install squirrelmail -y

SQUIRREL MAIL CONFIGURATION

i) go to `'/usr/share/squirrelmail/config'`
=> `cd /usr/share/squirrelmail/config`

ii) execute `'conf.pl'`
=> `./conf.pl`

[A configuration prompt will appear]

ii)

I) First Change the Organization preferences

=>1

II) Change the organization name

=>1

III) give a name, for example

=> Test mail server

IV) press Enter

V) press `'S'` for saving the data

=>S

VI) press `'R'` for returning to the main menu

=>S

iii) press 2 for the server settings

I) Press 1 to Change the domain name

=>1

=>it.local

just the domain

II) press `'S'` for saving the data

=>S

III) Press 3 to Change sendmail to SMTP

=>2

IV) press 'S' for saving the data

=>S

iv) save and exit with 'Q'

v) create a virtual host for squirrel mail

VIRTUAL HOST CONFIGURATION (WEB CONFIGURATION)

vi) edit the file '/etc/httpd/conf/httpd.conf'

=>vim /etc/httpd/conf/httpd.conf

[add these line at the end of the file. Remember this is case sensitive]

Alias /webmail /usr/share/squirrelmail

<Directory /usr/share/squirrelmail>

Options Indexes FollowSymLinks

RewriteEngine On

AllowOverride All

DirectoryIndex index.php

Order allow,deny

Allow from all

</Directory>

step 15) restart the web server

=> systemctl restart httpd

step 16) Check the status of the web server

=> systemctl status httpd

step 17) Enable the web server to run on boot time
=> **systemctl enable httpd**

VERY IMPORTANT STEP (DONT FORGET)

step 17) Execute this command
=> **setsebool httpd_can_network_connect=1**

step 18) open your browser and navigate to '<your_ip/webmail>'
example:

navigate to **192.168.0.100/webmail**

Thats the whole mail server setup

TESTING

step 19) Create two different user

i)

=> **useradd tanvir**

=> **passwd tanvir**

ii)

=>useradd ornob

=> passwd ornob

iii) login with tanvir and send an email to

=>ornob@it.local

iv) logout from 'tanvir' and login with 'ornob'

if every things go right . you should see email coming from
tanvir@it.local