

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

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## ALL THE STEPS:

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### POSTFIX

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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**

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**192.168.0.100 mailserver.it.local mailserver**

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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'**

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**SELINUX=disabled**

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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**

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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**

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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**

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# DOVECOT

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

## **CONFIGURE DOVECOT**

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**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**

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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**

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step 16) Install squirrelmail packages

**=> yum install squirrelmail -y**

# SQUIRREL MAIL CONFIGURATION

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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**

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## **VIRTUAL HOST CONFIGURATION (WEB CONFIGURATION)**

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**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]**

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**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>**

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**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)**

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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**

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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](mailto: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](mailto:tanvir@it.local)**