

POSTFIX (SMTP MAIL)

Both side install postfix

```
[root@pooja ~]# yum install postfix
Updating Subscription Management repositories.
Unable to read consumer identity
This system is not registered to Red Hat Subscription Management. You can use subscription-manage command to register the system.
Redhat Enterprise Linux 8.2 -AppStream
Redhat Enterprise Linux 8.2 -baseos
Dependencies resolved.
=====
Package                               Architecture          Version
=====
Installing:
postfix                               x86_64                 2:3.3.1-1.el8
Transaction Summary
=====
```

Check version postfix

```
Completed.
[root@pooja ~]# rpm -qa postfix
postfix-3.3.1-12.el8.x86_64
[root@pooja ~]#
```

Services start and enable

```
[root@pooja ~]# systemctl start postfix
[root@pooja ~]# systemctl enable postfix
Created symlink /etc/systemd/system/multi-user.target.wants/postfix.service → /usr/lib/systemd/system/postfix.service.
[root@pooja ~]# systemctl status postfix
● postfix.service - Postfix Mail Transport Agent
   Loaded: loaded (/usr/lib/systemd/system/postfix.service; enabled; vendor preset: disabled)
   Active: active (running) since Sat 2022-04-09 01:15:37 EDT; 31s ago
     Main PID: 3323 (master)
       Tasks: 3 (limit: 11160)
      Memory: 4.9M
      CGroup: /system.slice/postfix.service
              └─3323 /usr/libexec/postfix/master -w
                  └─3324 pickup -l -t unix -u
                      └─3325 qmgr -l -t unix -u
```

Open file client side locally check mail

```
[root@pooja ~]# vim /etc/postfix/main.cf
# Global Postfix configuration file. This file lists only a subset
# of all parameters. For the syntax, and for a complete parameter
# list, see the postconf(5) manual page (command: "man 5 postconf").
#
# For common configuration examples, see BASIC_CONFIGURATION_README
# and STANDARD_CONFIGURATION_README. To find these documents, use
# the command "postconf html_directory readme_directory", or go to
# http://www.postfix.org/BASIC_CONFIGURATION_README.html etc.
#
```

Locally enable for local mailing in user

POSTFIX (SMTP MAIL)

```
#inet_interfaces = all
#inet_interfaces = $myhostname
#inet_interfaces = $myhostname, localhost
inet_interfaces = localhost

# Enable IPv4, and IPv6 if supported
inet_protocols = all

# The proxy_interfaces parameter specifies the network interface
# addresses that this mail system receives mail on by way of a
# proxy or network address translation unit. This setting extends
# the address list specified with the inet_interfaces parameter.
#
# You must specify your proxy/NAT addresses when your system is a
# backup MX host for other domains, otherwise mail delivery loops
/inet
```

Add user local server

```
[root@pooja /]# useradd user
[root@pooja /]# passwd user
Changing password for user user.
New password:
BAD PASSWORD: The password is a palindrome
Retype new password:
passwd: all authentication tokens updated successfully.
[root@pooja /]# su user
[user@pooja /]$
```

Install mailx

```
[root@pooja /]# yum install mailx
Updating Subscription Management repositories.
Unable to read consumer identity
This system is not registered to Red Hat Subscription Management. You can use subscription
Last metadata expiration check: -1 day, 19:09:23 ago on Saturday 09 April 2022 06:43:52 A
Dependencies resolved.
=====
Package                                Architecture
=====
Installing:
mailx                                  x86_64
Transaction Summary
=====
```

Permission applied

```
[root@pooja mail]# ls -lh
total 8.0K
-rw-rw----. 1 p    mail    0 Mar 26 07:11 p
-rwxrwxrwx. 1 root mail 1.3K Apr  9 02:12 root
-rw-rw----. 1 rpc  mail    0 Mar 26 06:54 rpc
-rwxrwxrwx. 1 user mail 613 Apr  9 02:03 user
[root@pooja mail]# pwd
/var/spool/mail
[root@pooja mail]#
```

Send mail root to local user

```
[root@pooja mail]# mail -s "vivek test mail" user@pooja.gandhi.com
Vivek gandhi testmail
localhost
EOT
```

POSTFIX (SMTP MAIL)

For exit command → ctrl + d

Check mail que entry

```
[root@pooja mail]# mailq
Mail queue is empty
```

Check mail for user side and exit for q

```
[root@pooja mail]# su user
[user@pooja mail]$ mail
Heirloom Mail version 12.5 7/5/10.  Type ? for help.
"/var/spool/mail/root": 2 messages 1 unread
  1 root          Sat Apr  9 02:03  19/648  "testmail"
>U  2 user@pooja.gandhi.co Sat Apr  9 02:04 17/634  "**** SECURITY information for pooja.gandhi.com ****"
& 1
Message 1:
From root@pooja.gandhi.com Sat Apr  9 02:03:03 2022
Return-Path: <root@pooja.gandhi.com>
X-Original-To: ""@pooja.gandhi.com
Delivered-To: MAILER-DAEMON@pooja.gandhi.com
Date: Sat, 09 Apr 2022 02:03:03 -0400
To: ""@pooja.gandhi.com, user@pooja.gandhi.com
Subject: testmail
User-Agent: Heirloom mailx 12.5 7/5/10
Content-Type: text/plain; charset=us-ascii
From: root <root@pooja.gandhi.com>
Status: RO

test mail for vivek gandhi

& q
Held 2 messages in /var/spool/mail/root
[user@pooja mail]$
```

Reply user to root

```
[user@pooja mail]$ mail root@pooja.gandhi.com
Subject: reply
this is reply for user side
EOT
[user@pooja mail]$
```

Check reply to root

POSTFIX (SMTP MAIL)

```
[user@pooja mail]$ su
Password:
[root@pooja mail]# mail
Heirloom Mail version 12.5 7/5/10.  Type ? for help.
"/var/spool/mail/root": 3 messages 1 new 2 unread
 1 root          Sat Apr  9 02:03  19/648  "testmail"
 2 user@pooja.gandhi.co Sat Apr  9 02:04  17/634  "*** SECURITY information for pooja.gandhi.com ***"
>N 3 user@pooja.gandhi.co Sat Apr  9 02:22  18/604  "reply"
& 3
Message 3:
From user@pooja.gandhi.com Sat Apr  9 02:22:25 2022
Return-Path: <user@pooja.gandhi.com>
X-Original-To: root@pooja.gandhi.com
Delivered-To: root@pooja.gandhi.com
Date: Sat, 09 Apr 2022 02:22:25 -0400
To: root@pooja.gandhi.com
Subject: reply
User-Agent: Heirloom mailx 12.5 7/5/10
Content-Type: text/plain; charset=us-ascii
From: user@pooja.gandhi.com
Status: R

this is reply for user side

& q
Held 3 messages in /var/spool/mail/root
[root@pooja mail]#
```

Mail deletes

```
[root@pooja mail]# mail
Heirloom Mail version 12.5 7/5/10.  Type ? for help.
"/var/spool/mail/root": 3 messages 1 unread
 1 root          Sat Apr  9 02:03  19/648  "testmail"
>U 2 user@pooja.gandhi.co Sat Apr  9 02:04  17/634  "*** SECURITY information for pooja.gandhi.com ***"
 3 user@pooja.gandhi.co Sat Apr  9 02:22  19/615  "reply"
& delete 1
& delete 2 3
& q
[root@pooja mail]# mail
No mail for user
[root@pooja mail]#
```

Steps server to client mail sending

Install both side postfix and mailx

Then open port to firewall both side

```
[root@vivek ~]# firewall-cmd --permanent --add-service=smtp
success
[root@vivek ~]# firewall-cmd --reload
success
[root@vivek ~]#
```

Change configures file client side

```
[root@pooja ~]# vim /etc/postfix/main.cf
# Global Postfix configuration file. This file lists only a subset
# of all parameters. For the syntax, and for a complete parameter
# list, see the postconf(5) manual page (command: "man 5 postconf").
# For common configuration examples, see /etc/postfix/main.cf.examples
```

Permission all

```
#
#inet_interfaces = all
#inet_interfaces = $myhostname
#inet_interfaces = $myhostname, localhost
inet_interfaces = all
```

Change origin

POSTFIX (SMTP MAIL)

```
#  
#myorigin = $myhostname  
myorigin = gandhi.com
```

```
mydestination =  
#mydestination = $myhostname, localhost.$mydomain, localhost  
#  
#mydestination = $myhostname, localhost.$mydomain, localhost, $mydomain  
#mydestination = $myhostname, localhost.$mydomain, localhost, $mydomain,  
# mail.$mydomain, www.$mydomain, ftp.$mydomain  
#  
# REJECTING MAIL FOR UNKNOWN LOCAL USERS
```

```
#relayhost = $mydomain  
#relayhost = [gateway.my.domain]  
#relayhost = [mailserver.isp.tld]  
#relayhost = uucphost  
#relayhost = [an.ip.add.ress]  
relayhost = gandhi.com
```

Restart service

