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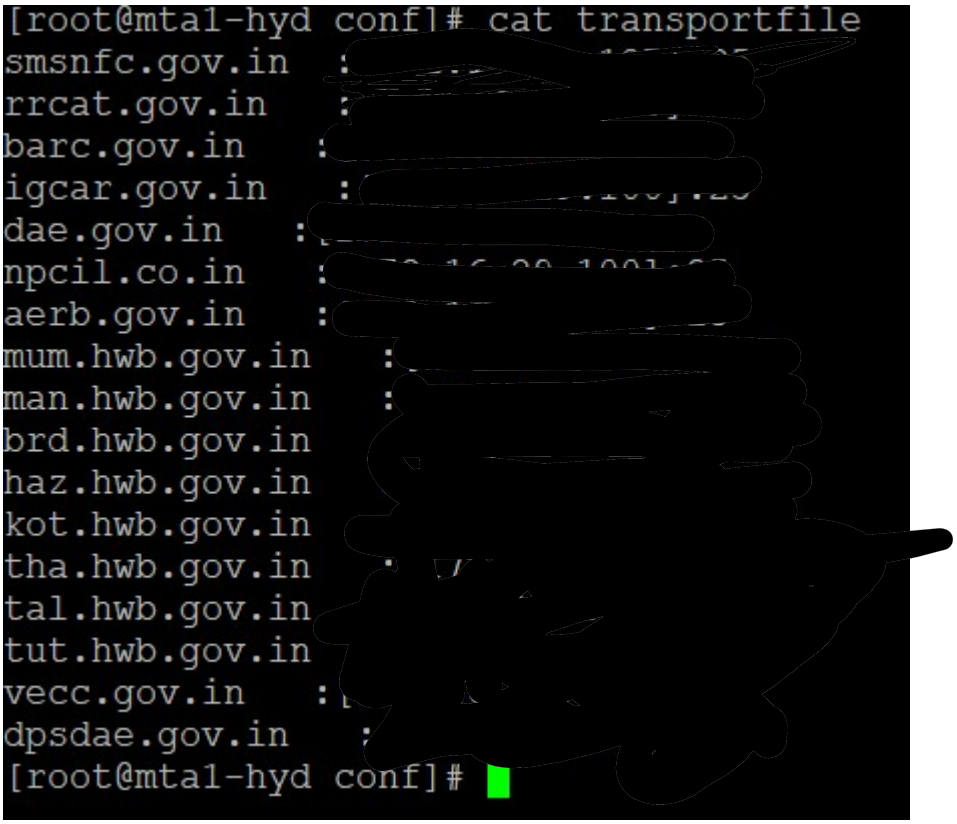
1. How to add DAE IP's in MTA servers.

We need to login to both MTA servers and follow the below process.

cd /opt/zimbra/common/conf



2. How to add DAE domains in MTA servers.

We need to login to both MTA servers and follow the below process.

cd /opt/zimbra/common/conf

vi local_domains

```
[root@mta1-hyd conf]# cat local_domains
nfc.gov.in      OK
mailarchiva.nfc.gov.in OK
smsnfc.gov.in   OK
rrcat.gov.in    OK
barc.gov.in     OK
igcar.gov.in    OK
dae.gov.in      OK
npcil.co.in     OK
aerb.gov.in     OK
mum.hwb.gov.in  OK
man.hwb.gov.in  OK
brd.hwb.gov.in  OK
haz.hwb.gov.in  OK
kot.hwb.gov.in  OK
tha.hwb.gov.in  OK
tal.hwb.gov.in  OK
tut.hwb.gov.in  OK
vecc.gov.in     OK
dpsdae.gov.in   OK
[root@mta1-hyd conf]#
```

3. How to Find differed mails in MTA servers.

- MTA 1
- MTA 2

We need to login to both MTA servers and follow the below process.

cd /var/spool/postfix-2/deferred

ls

```
[root@mta1-hyd /]# cd /var/spool/postfix-2/deferred/
```

```
[root@mta1-hyd /]# cd /var/spool/postfix-2/deferred/
[root@mta1-hyd deferred]# ls
0  1  2  3  4  5  6  7  8  9  A  B  C  D  E  F
[root@mta1-hyd deferred]# ll
total 0
drwx------ 2 postfix postfix  6 May 11 09:39 0
drwx------ 2 postfix postfix  6 May 11 07:24 1
drwx------ 2 postfix postfix  6 May 10 17:45 2
drwx------ 2 postfix postfix  6 May 11 09:51 3
drwx------ 2 postfix postfix  6 May 11 09:30 4
drwx------ 2 postfix postfix  6 May 11 09:51 5
drwx------ 2 postfix postfix 27 May 11 09:52 6
drwx------ 2 postfix postfix  6 May 11 07:54 7
drwx------ 2 postfix postfix  6 May 10 16:57 8
drwx------ 2 postfix postfix  6 May 10 17:00 9
drwx------ 2 postfix postfix  6 May 11 09:24 A
drwx------ 2 postfix postfix 27 May 11 09:53 B
drwx------ 2 postfix postfix  6 May 11 09:36 C
drwx------ 2 postfix postfix  6 May 11 09:30 D
drwx------ 2 postfix postfix  6 May 11 09:45 E
drwx------ 2 postfix postfix  6 May 10 17:42 F
[root@mta1-hyd deferred]#
```

4. If Mails are in Deferred mode we need to flush manually by using below command.

/usr/sbin/postqueue-c /etc/postfix-2/ -f

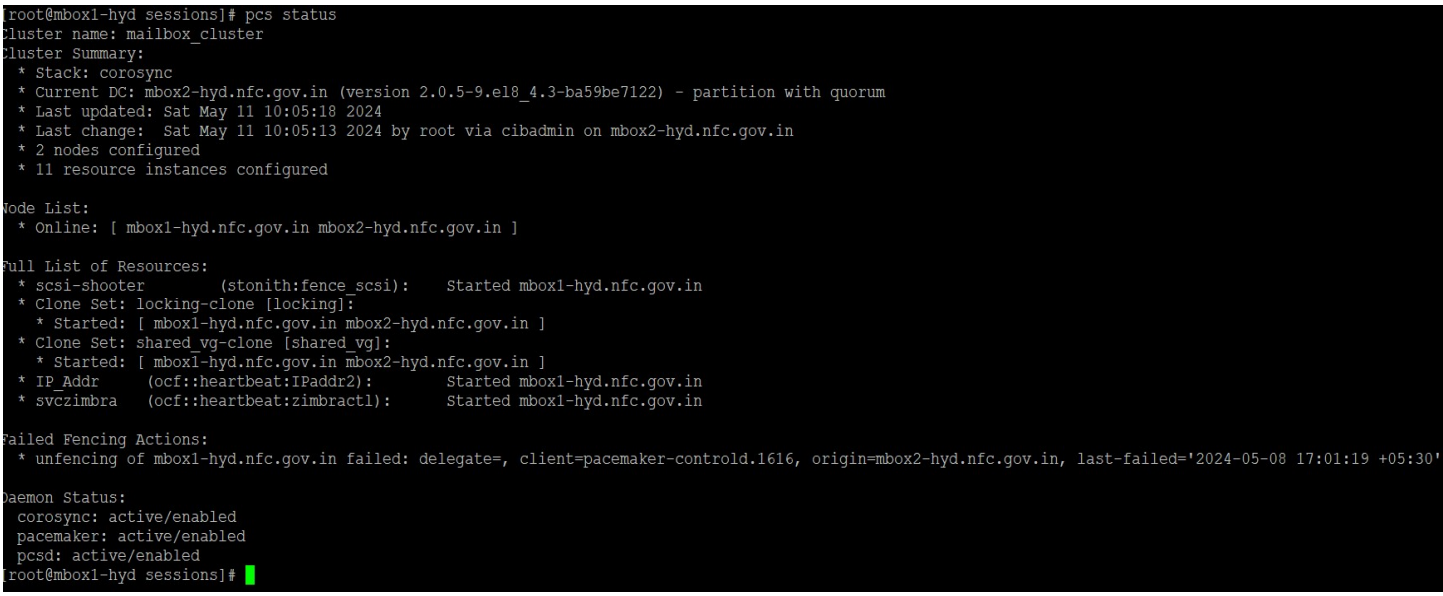
/opt/zimbra/common/sbin/postqueue -f

/usr/sbin/postqueue -f

5. CLUSTER CHECKING

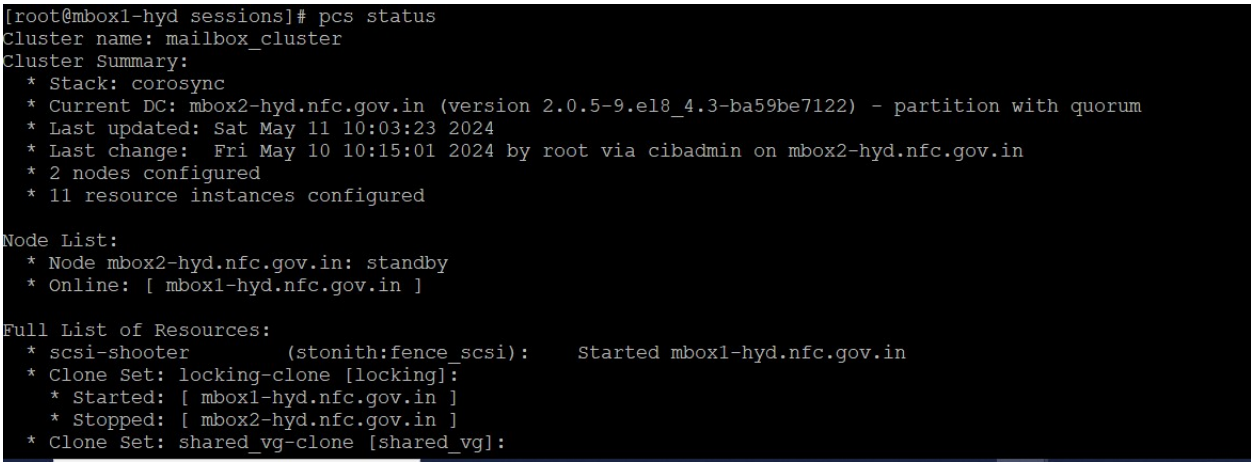
1. Login to mailbox servers and check cluster status.
2. Both Nodes should be online otherwise we will get problem.
3. Please find the below process
4. How to check the cluster status and stand by and unstand by the nodes?

pcs status



- In above image displays both nodes show Online.
- We can find the ip and zimbra running on which node .
- If only one node is online, it may cause the problem when online machine is down. Production will stop.
- Because of that reason both nodes should be online.
- Please find the below image.

pcs status



- If we want move the cluster services manually follow the below commands.

pcs node standby mbox2-hyd.nfc.gov.in (It means mbox2 should be going to offline)

pcs node unstandby mbox2-hyd.nfc.gov.in (It means mbox2 should be going to online)

6. We should check that shared storage(/opt) mounted or not in both mbox servers.

- Please find the below command and images.

df –h

- /dev/mapper/vg_gfs2-lv_gfs2 7.0T 4.2T 2.9T 60% /opt (shared storage)

```
[root@mbox1-hyd ~]# df -h
Filesystem                      Size  Used Avail Use% Mounted on
devtmpfs                         32G     0   32G   0% /dev
tmpfs                            32G   51M   32G   1% /dev/shm
tmpfs                            32G  401M   31G   2% /run
tmpfs                            32G     0   32G   0% /sys/fs/cgroup
/dev/mapper/rhel-root           495G   71G  425G  15% /
/dev/vda1                      1014M  221M  794M  22% /boot
/dev/mapper/vg_gfs2-lv_gfs2     7.0T  4.2T  2.9T  60% /opt
tmpfs                            6.3G     0  6.3G   0% /run/user/995
/dev/mapper/vg_backup-zm_backup  6.0T   26G  5.7T   1% /backup_zimbra
tmpfs                            6.3G     0  6.3G   0% /run/user/0
[root@mbox1-hyd ~]#
```

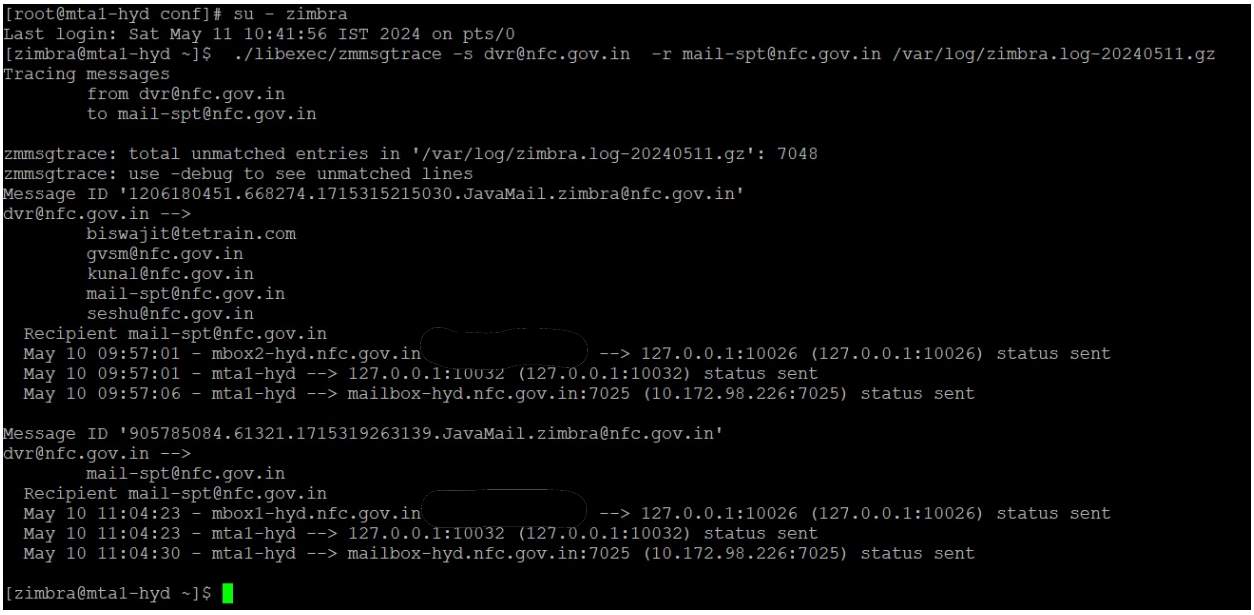
```
[root@mbox2-hyd ~]# df -h
Filesystem                     Size  Used Avail Use% Mounted on
devtmpfs                        32G     0   32G   0% /dev
tmpfs                           32G   66M   32G   1% /dev/shm
tmpfs                           32G  329M   31G   2% /run
tmpfs                           32G     0   32G   0% /sys/fs/cgroup
/dev/mapper/rhel-root          495G   31G  465G   7% /
/dev/vda1                     1014M  220M  795M  22% /boot
tmpfs                           6.3G     0  6.3G   0% /run/user/0
/dev/mapper/vg_gfs2-lv_gfs2    7.0T  4.2T  2.9T  60% /opt
[root@mbox2-hyd ~]#
```

7. Mails Trace out

- We need to login to both MTA servers
- After logging switch to zimbra user and run below commands.
- Please find the below image.

su – zimbra

./libexec/zmmsgtrace -s sender@nfc.gov.in -r receiver@nfc.gov.in /var/log/zimbra.log-20240511.gz (path)



8. Mail sent but mail delivery failed

1) First we need to log in MTA SERVERS as a root user.

2)Switch to zimbra user

a) su – zimbra

3) Then there is a reason for delivery failed.

i) Mail in mailq.

ii) differed: blocked in Imsva level

iii) Bounce back: If we didn't get any bounce back we can trace out the mail by the following command.

ii) We require both sender and reciver address

./libexec/zmmsgtrace -s sender@mail.com -r reciver@mail.com.

9. Email Log Analysis

- Important logs.

a. /var/log/maillog
b. /var/log/zimbra.log
c. /opt/zimbra/log/mailbox.log
d. /opt/zimbra/log/audit.log

/var/log/maillog : In this log we can find delivery of mails.

/var/log/zimbra.log: In this log we can find delivery of mails and also amavis everything.

/opt/zimbra/log/mailbox.log: In this log we can find user what is mail id Orgin IP and type of webclient.

/opt/zimbra/log/audit.log: In this log we can find user what is mail id Orgin IP and also authentications.

Examples:

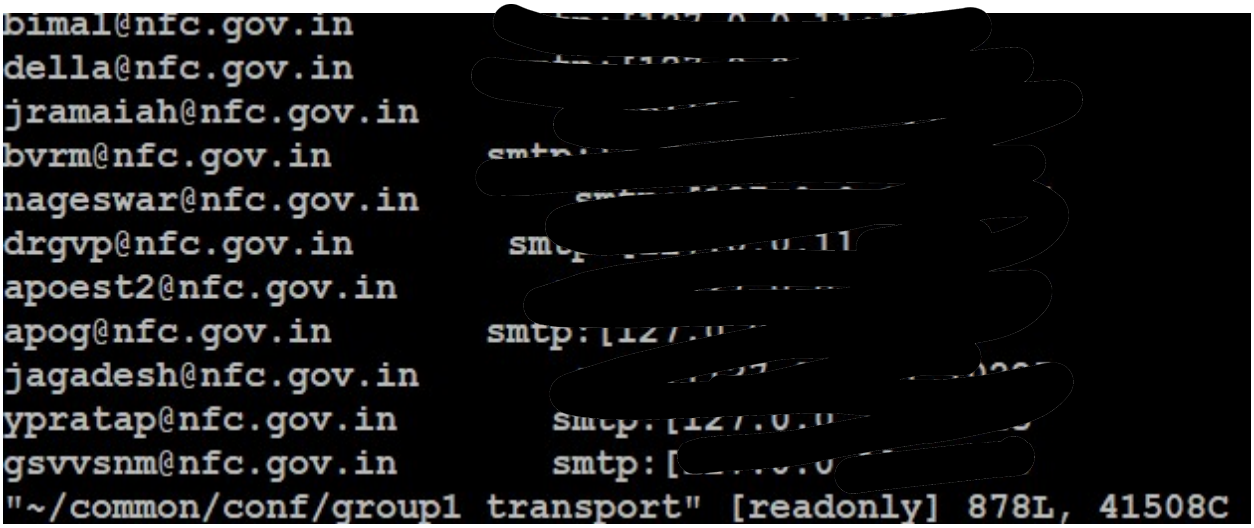
tail –f /var/log/maillog : For continous logs

less /var/log/maillog | grepuser@nfc.gov.in : we can find mail deliver r not.

cat /opt/zimbra/log/audit.log | grepuser@nfc.gov.in : to find a user login time and IP

10. Attachment restriction is ON/OFF

1. First we need to login to MTA Servers of Hyderabad (mta1 and mta2).
2. Login through putty.
3. Please follow the below commands
   a) cd /opt/zimbra/common/conf
   b) In this path two files
   i) group1_transport and group2_transport
   ii) group1_transport = this file has some users they have attachment facility
   iii) If we want to give permission to any user to send attachment outside add in this file. After adding need to run following command.
   iv) postmap /opt/zimbra/common/conf/group1_transport.

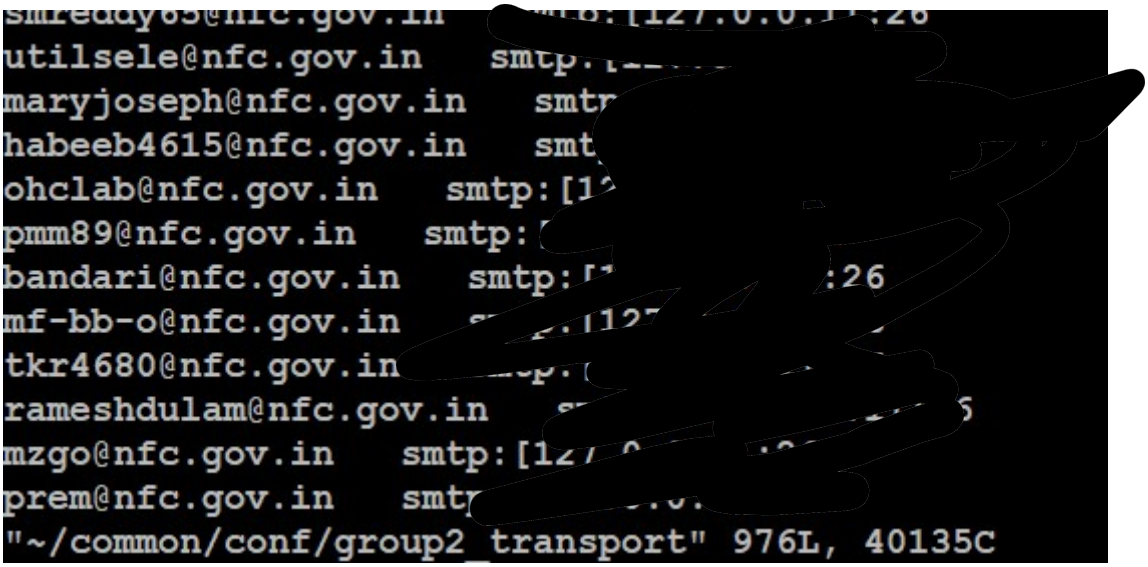


- Please follow the below commands

a) cd /opt/zimbra/common/conf

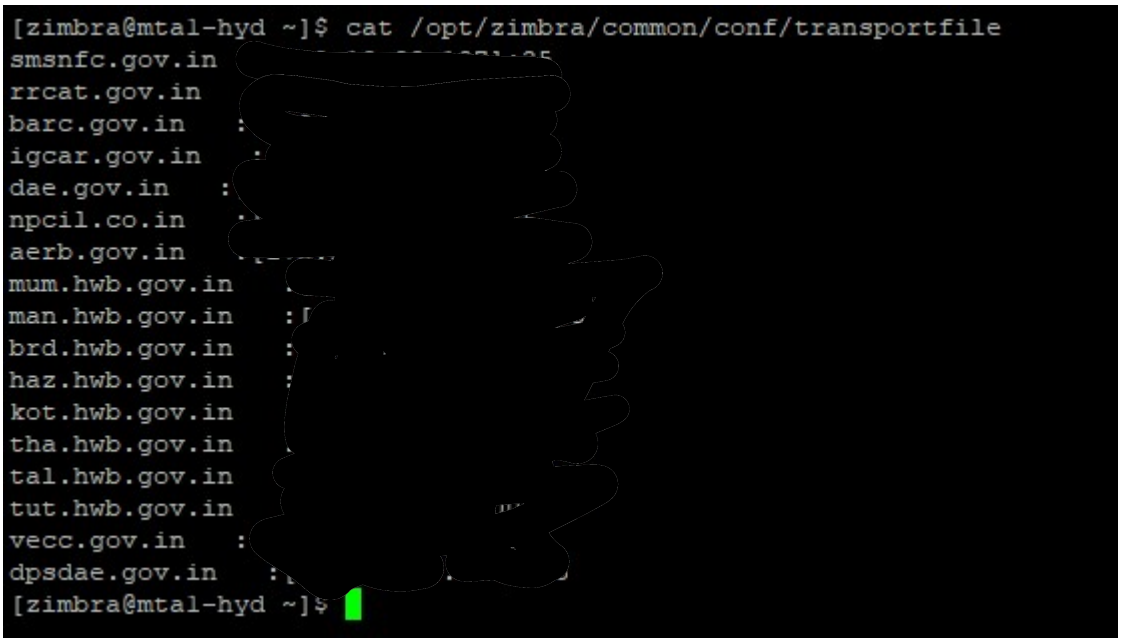
group2_transport

i) group2_transport = this file has some users they have without attachment facility.
ii) If we want to give permission outside to any user without attachment add in this file after adding need to run following command.
iii) postmap /opt/zimbra/common/conf/group2_transport
iv) Please find the below image.



11. change Mail Routing from UUCP to Anunet and Vice Versa

- Become zimbra user after login to the both Hyderabad MTA servers (98.201 and 98.204).
- Open /opt/zimbra/common/conf/transportfile



- Comment all the lines containing [redacted](Anunet SMTP server) and save the file.
- run postmap /opt/zimbra/common/conf/transportfile.
- To revert back to anunet gateway repeat 3rd step uncommenting and run step 4.

12. USER PERMISSIONS FOR OUTSIDE MAILS WITH AND WITHOUT ATTACHMENTS

1. After creation of email and archive accounts we need to give outside mails permission.
2. Generally we have “2” MTA Servers in our system we need to add user in that servers.
3. We have “2” groups in each MTA Servers.
4. group1_transport (In this group of users able to send attachments outside with 25MB only).
5. group2_transport (In this group of users able to send only mails outside without attachments).
6. Login to “MTA SERVERS “as a Zimbra user and execute the following commands and find the below images.
7. After adding mail id in groups we need to run postmap command which is given below.

su – zimbra

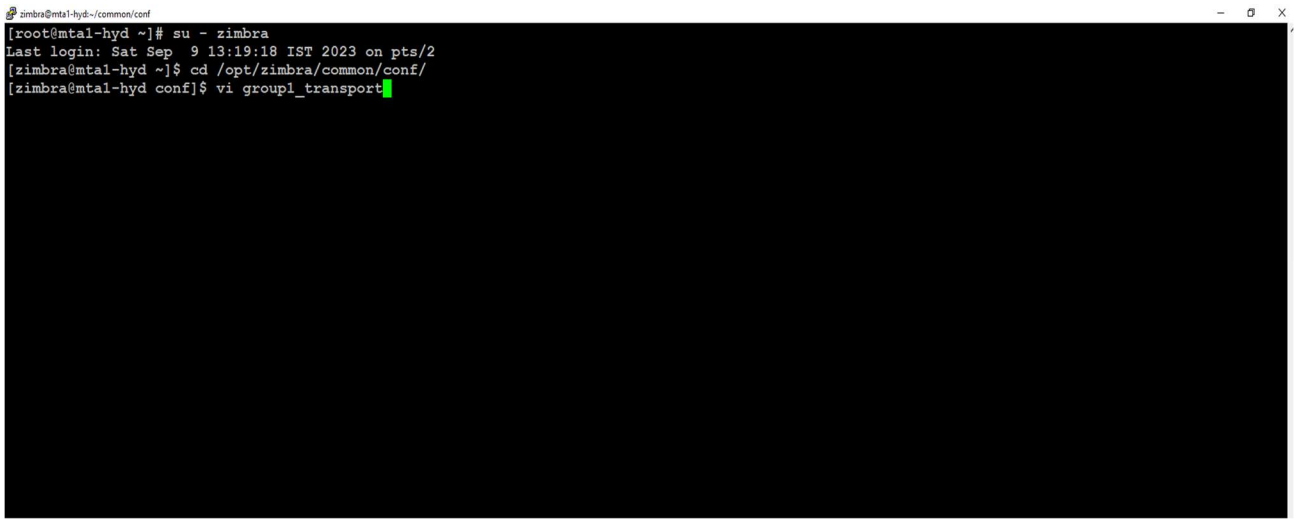
$ cd /opt/zimbra/common/conf/

$ vi group1_transport

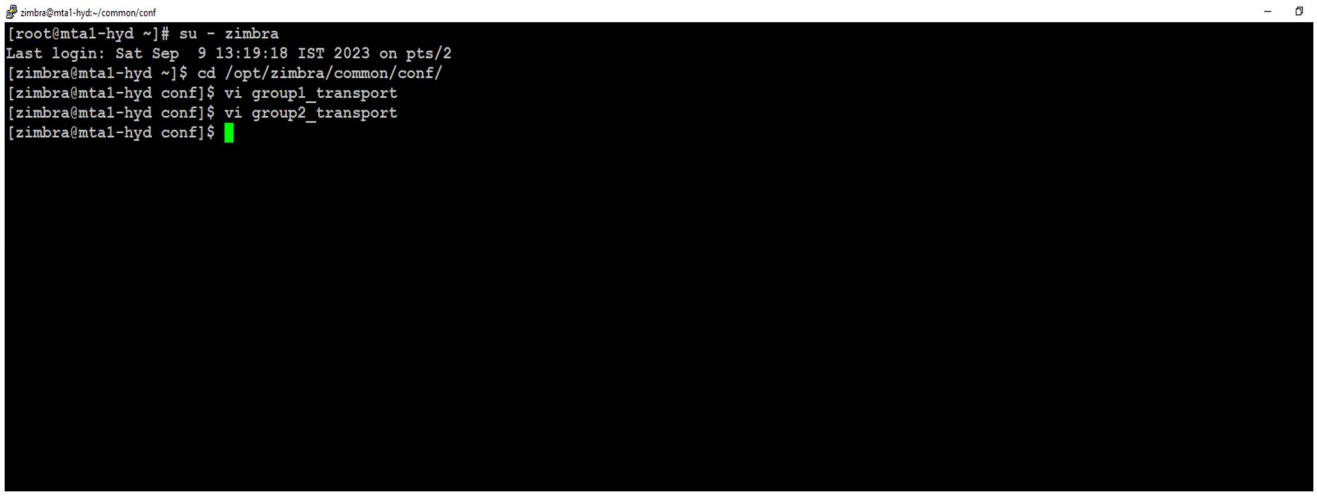
$ postmap /opt/zimbra/common/conf/group1_transport

$ vi group1_2ransport

$ postmap /opt/zimbra/common/conf/group2_transport

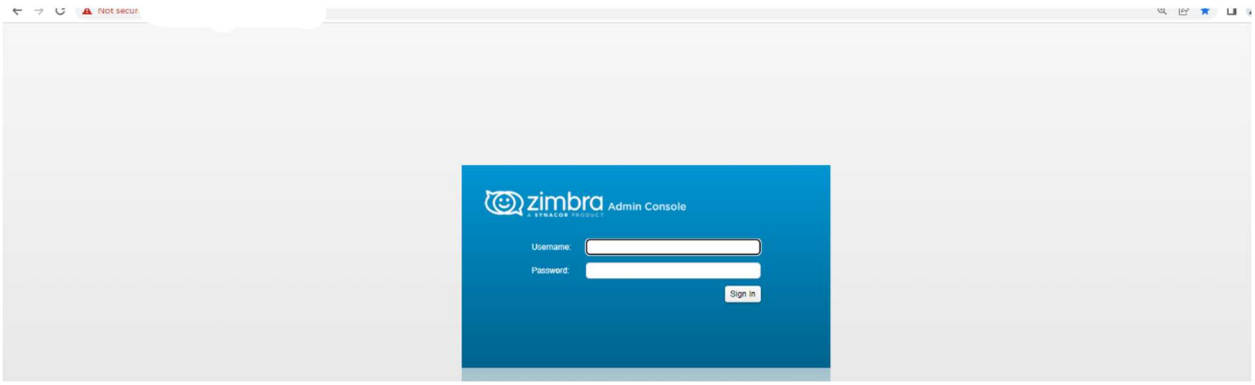


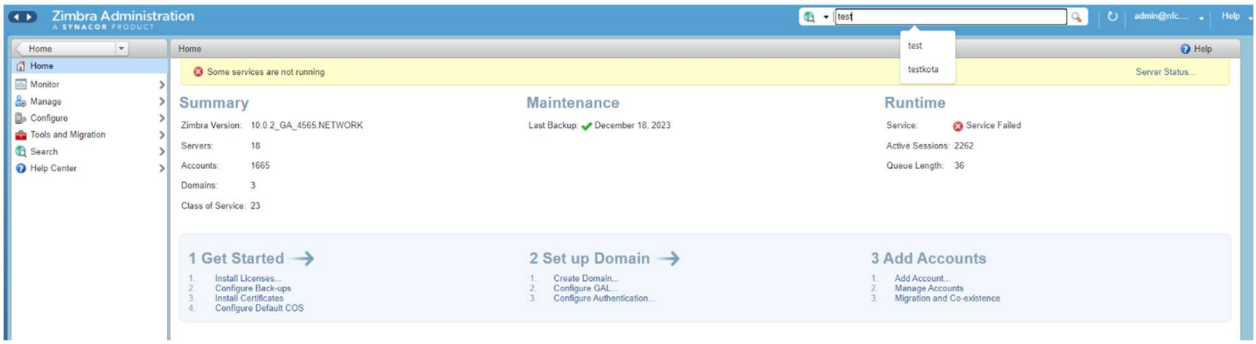
$ postmap /opt/zimbra/common/conf/group1_transport



13. User Transfer From NFC to ZC/KOTA or vice versa

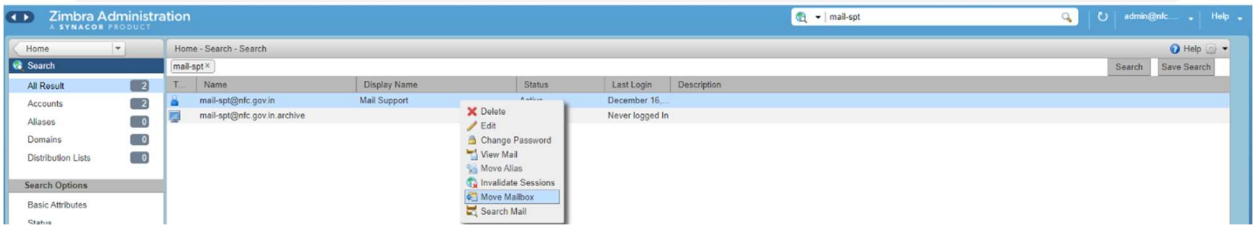
- First Login into admin panel



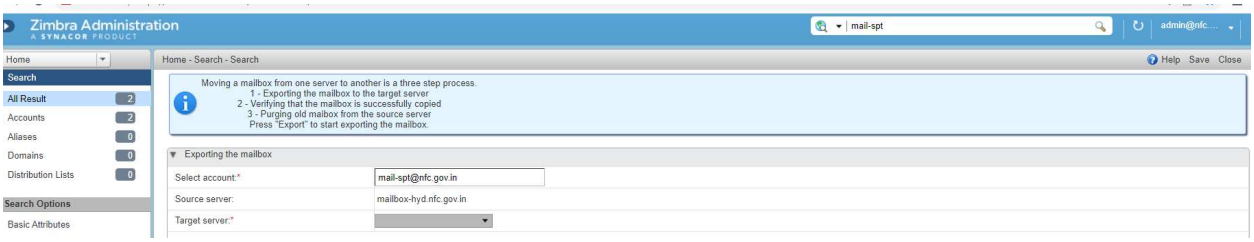


- Search a user we want to transfer account from one location to another.

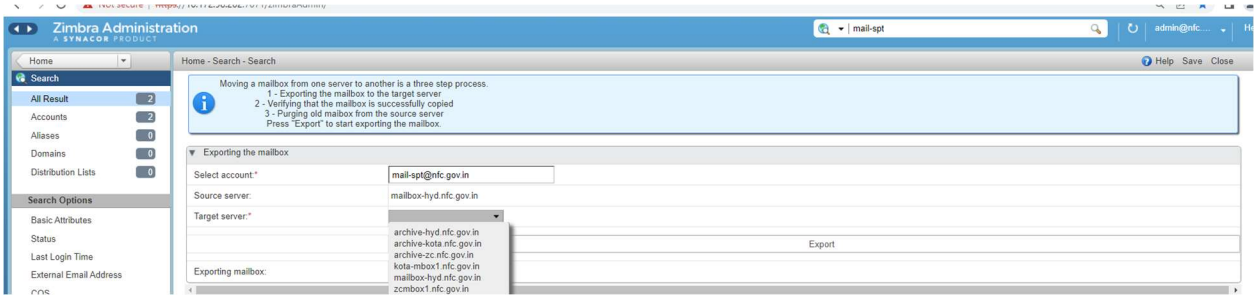
❖ Select Move mailbox.



❖ The selected user previously in Hyderabad server as shown below.



❖ We can move to Kota or ZC locations as shown below image and Vice-versa archive mail id also need to move.



❖ Save it

14. Restrict Users to send a mail outside (Gmail, yahoo)

❖ Login to MTA Servers and switch to zimbra user
❖ Run following commands.

su – zimbra

cd /opt/zimbra/common/conf

cat restricted_senders

```
[root@mta1-hyd conf]# su - zimbra
Last login: Sat May 11 11:27:20 IST 2024 on pts/0
[zimbra@mta1-hyd ~]$
[zimbra@mta1-hyd ~]$ cd /opt/zimbra/common/conf
[zimbra@mta1-hyd conf]$ vi restricted_senders
[zimbra@mta1-hyd conf]$ cat re
relocated                restricted_senders
[zimbra@mta1-hyd conf]$ cat restricted_senders
qasim2@nfc.gov.in   local_only
test12@nfc.gov.in   local_only
challa.test@nfc.gov.in local_only
[zimbra@mta1-hyd conf]$
[zimbra@mta1-hyd conf]$
```


```
[root@mta1-hyd conf]# su - zimbra
Last login: Sat May 11 11:27:20 IST 2024 on pts/0
[zimbra@mta1-hyd ~]$
[zimbra@mta1-hyd ~]$ cd /opt/zimbra/common/conf
[zimbra@mta1-hyd conf]$ vi restricted_senders
[zimbra@mta1-hyd conf]$ cat re
relocated                restricted_senders
[zimbra@mta1-hyd conf]$ cat restricted_senders
qasim2@nfc.gov.in   local_only
test12@nfc.gov.in   local_only
challa.test@nfc.gov.in local_only
[zimbra@mta1-hyd conf]$
[zimbra@mta1-hyd conf]$
```

15. Gal sync accounts.

- Please find the gal sync accounts depends on location
- If user's mailbox takes more time for loading, please check different location gal sync account mounted.

galsync.0xcn_3eu4z@nfc.gov.in - Kota archive

galsync.9ljcthrp@nfc.gov.in - Hyd archive

galsync.osnphefhw7@nfc.gov.in - ZC archive

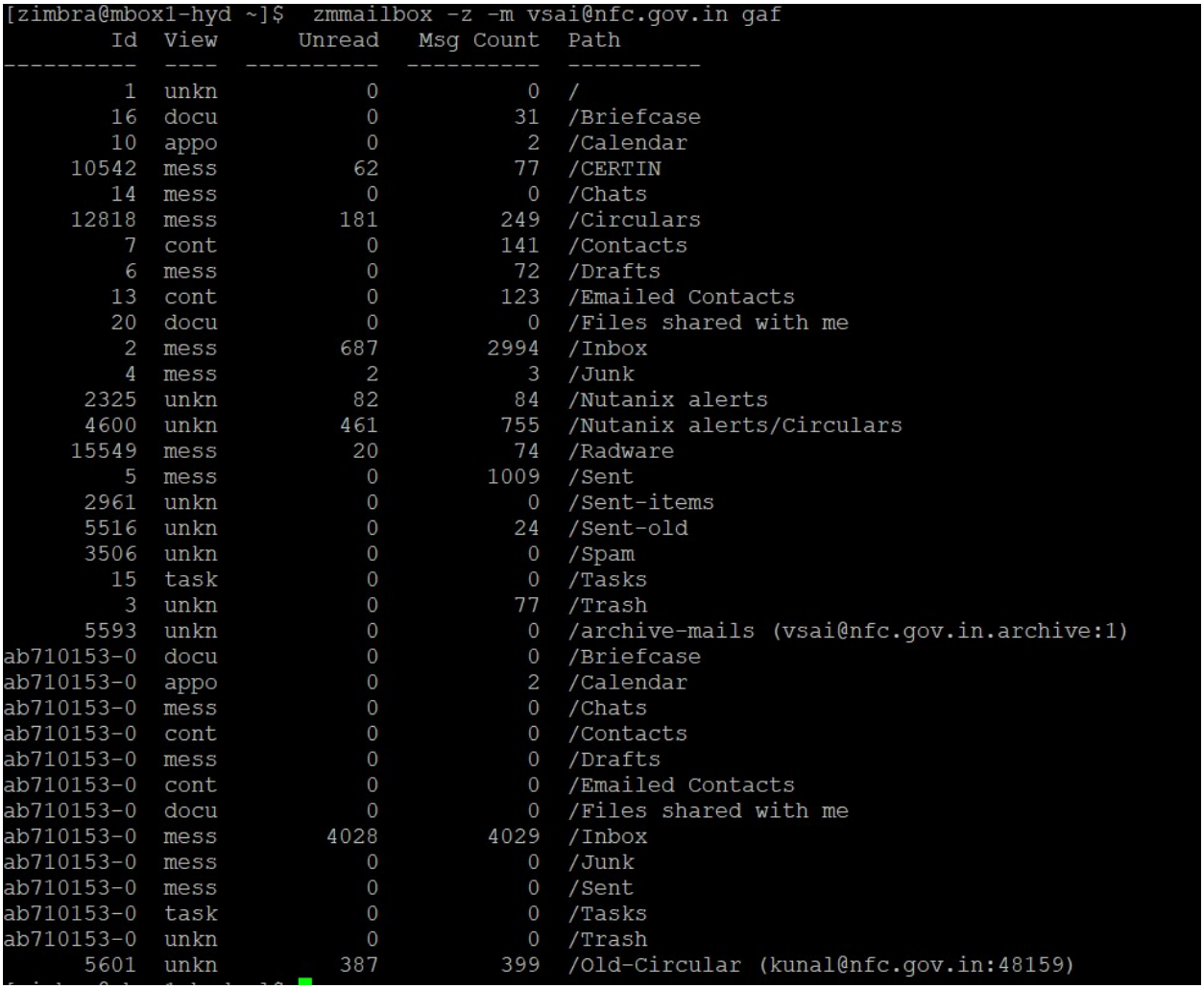
galsync.aewzjywpp@nfc.gov.in - ZC mailbox

galsync.qq7du2_vc@nfc.gov.in - Kota mailbox

galsync.yxn8jp0m@nfc.gov.in - Hyd mailbox

- Please find the below commands to check and remove.
- Login to mailbox server and switch to zimbra user**.**

```
# su – zimbra
# zmmailbox -z -m vsai@nfc.gov.in gaf (to get the user mount information)
```



```
[zimbra@mbox1-hyd ~]$  zmmailbox -z -m vsai@nfc.gov.in gaf
        Id  View      Unread   Msg Count  Path
----------  ----  ----------  ----------  ----------
         1  unkn           0           0  /
        16  docu           0          31  /Briefcase
        10  appo           0           2  /Calendar
     10542  mess          62          77  /CERTIN
        14  mess           0           0  /Chats
     12818  mess         181         249  /Circulars
         7  cont           0         141  /Contacts
         6  mess           0          72  /Drafts
        13  cont           0         123  /Emailed Contacts
        20  docu           0           0  /Files shared with me
         2  mess         687        2994  /Inbox
         4  mess           2           3  /Junk
      2325  unkn          82          84  /Nutanix alerts
      4600  unkn         461         755  /Nutanix alerts/Circulars
     15549  mess          20          74  /Radware
         5  mess           0        1009  /Sent
      2961  unkn           0           0  /Sent-items
      5516  unkn           0          24  /Sent-old
      3506  unkn           0           0  /Spam
        15  task           0           0  /Tasks
         3  unkn           0          77  /Trash
      5593  unkn           0           0  /archive-mails (vsai@nfc.gov.in.archive:1)
ab710153-0  docu           0           0  /Briefcase
ab710153-0  appo           0           2  /Calendar
ab710153-0  mess           0           0  /Chats
ab710153-0  cont           0           0  /Contacts
ab710153-0  mess           0           0  /Drafts
ab710153-0  cont           0           0  /Emailed Contacts
ab710153-0  docu           0           0  /Files shared with me
ab710153-0  mess        4028        4029  /Inbox
ab710153-0  mess           0           0  /Junk
ab710153-0  mess           0           0  /Sent
ab710153-0  task           0           0  /Tasks
ab710153-0  unkn           0           0  /Trash
      5601  unkn         387         399  /Old-Circular (kunal@nfc.gov.in:48159)
```

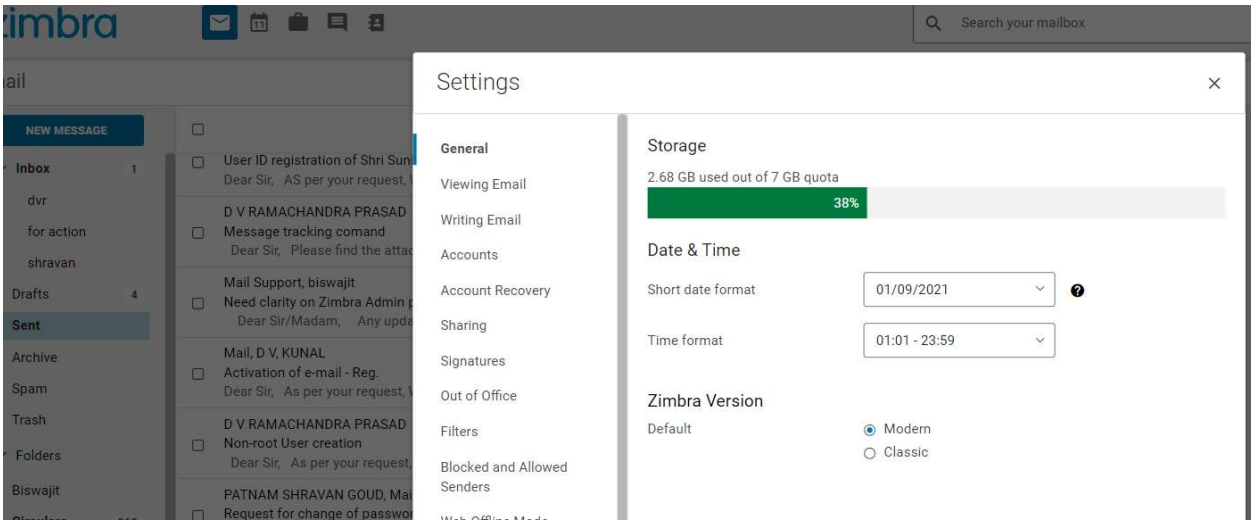
- In Above image if any different gal sync account mount we can remove by using below command.

zmmailbox -z -m vsai@nfc.gov.in (hyd-user)df/galsync.0xcn_3eu4z_InternalGAL(kota-archive mount point)

```
[zimbra@mbox1-hyd ~]$  zmmailbox -z -m vsai@nfc.gov.in gaf
        Id  View      Unread   Msg Count  Path
----------  ----  ----------  ----------  ----------
         1  unkn           0           0  /
        16  docu           0          31  /Briefcase
        10  appo           0           2  /Calendar
     10542  mess          62          77  /CERTIN
        14  mess           0           0  /Chats
     12818  mess         181         249  /Circulars
         7  cont           0         141  /Contacts
         6  mess           0          72  /Drafts
        13  cont           0         123  /Emailed Contacts
        20  docu           0           0  /Files shared with me
         2  mess         687        2994  /Inbox
         4  mess           2           3  /Junk
      2325  unkn          82          84  /Nutanix alerts
      4600  unkn         461         755  /Nutanix alerts/Circulars
     15549  mess          20          74  /Radware
         5  mess           0        1009  /Sent
      2961  unkn           0           0  /Sent-items
      5516  unkn           0          24  /Sent-old
      3506  unkn           0           0  /Spam
        15  task           0           0  /Tasks
         3  unkn           0          77  /Trash
      5593  unkn           0           0  /archive-mails (vsai@nfc.gov.in.archive:1)
ab710153-0  docu           0           0  /Briefcase
ab710153-0  appo           0           2  /Calendar
ab710153-0  mess           0           0  /Chats
ab710153-0  cont           0           0  /Contacts
ab710153-0  mess           0           0  /Drafts
ab710153-0  cont           0           0  /Emailed Contacts
ab710153-0  docu           0           0  /Files shared with me
ab710153-0  mess        4028        4029  /Inbox
ab710153-0  mess           0           0  /Junk
ab710153-0  mess           0           0  /Sent
ab710153-0  task           0           0  /Tasks
ab710153-0  unkn           0           0  /Trash
      5601  unkn         387         399  /Old-Circular (kunal@nfc.gov.in:48159)
```

16. User Unable to send/receive Mails

- User unable send/receive mails.
- Please check the quota of user.



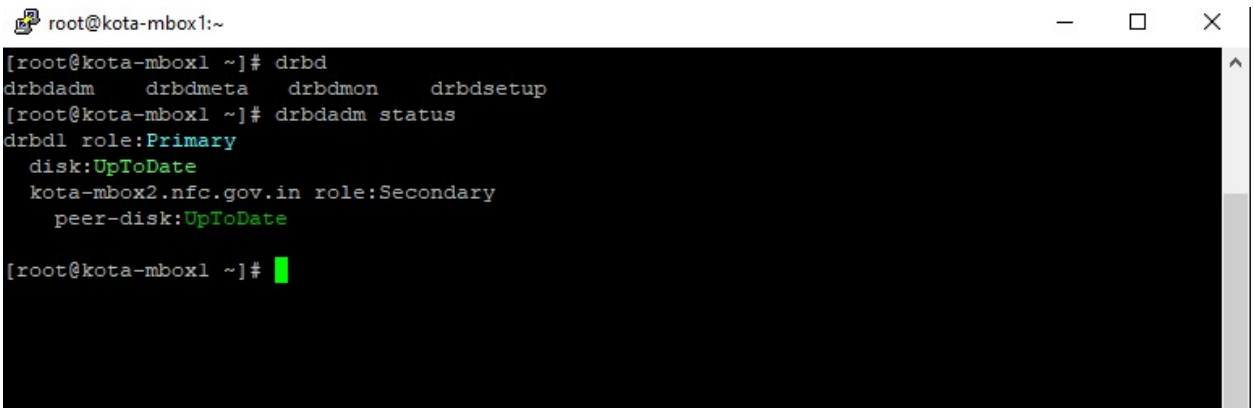
17. Drbd is checking in both serves in KOTA and ZC locations.

- ❖ We need to check every day weather data sync or not in between two mail box servers.
- ❖ If both are not sync means data is not replicating into secondary.
- ❖ mbox 1 is primary and mbox2 is secondary both should be up to date.
- ❖ If mbox1 down all service shifted to mbox 2 that time data will not be lost
- ❖ If both are not up to date mbox1 down all service shifted tombox 2 that time data will be lost.
- ❖ So before doing any changes need to check

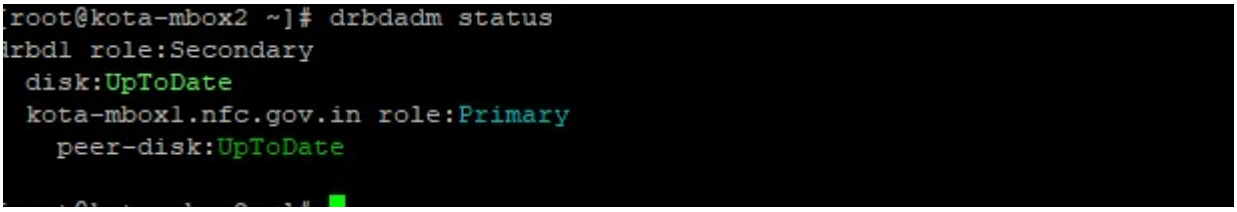
#drbdadm status

drbdadm connect drbd1

- ❖ Mbox1



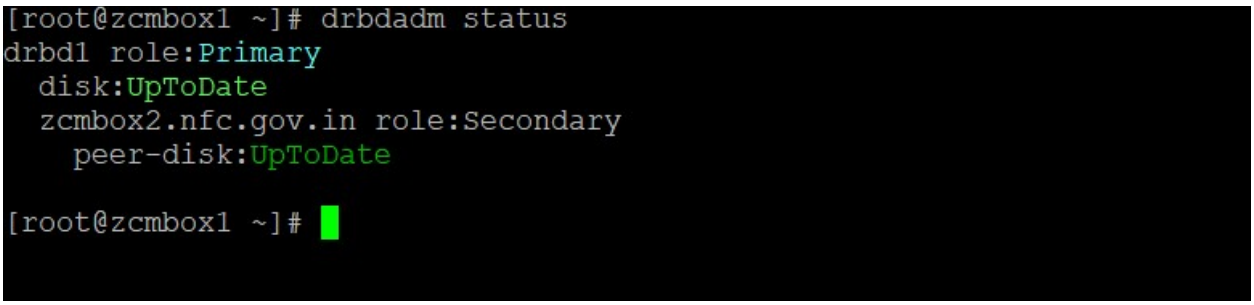
- Mbox2



Zcmbox1

#drbdadm status

drbdadm connect drbd1



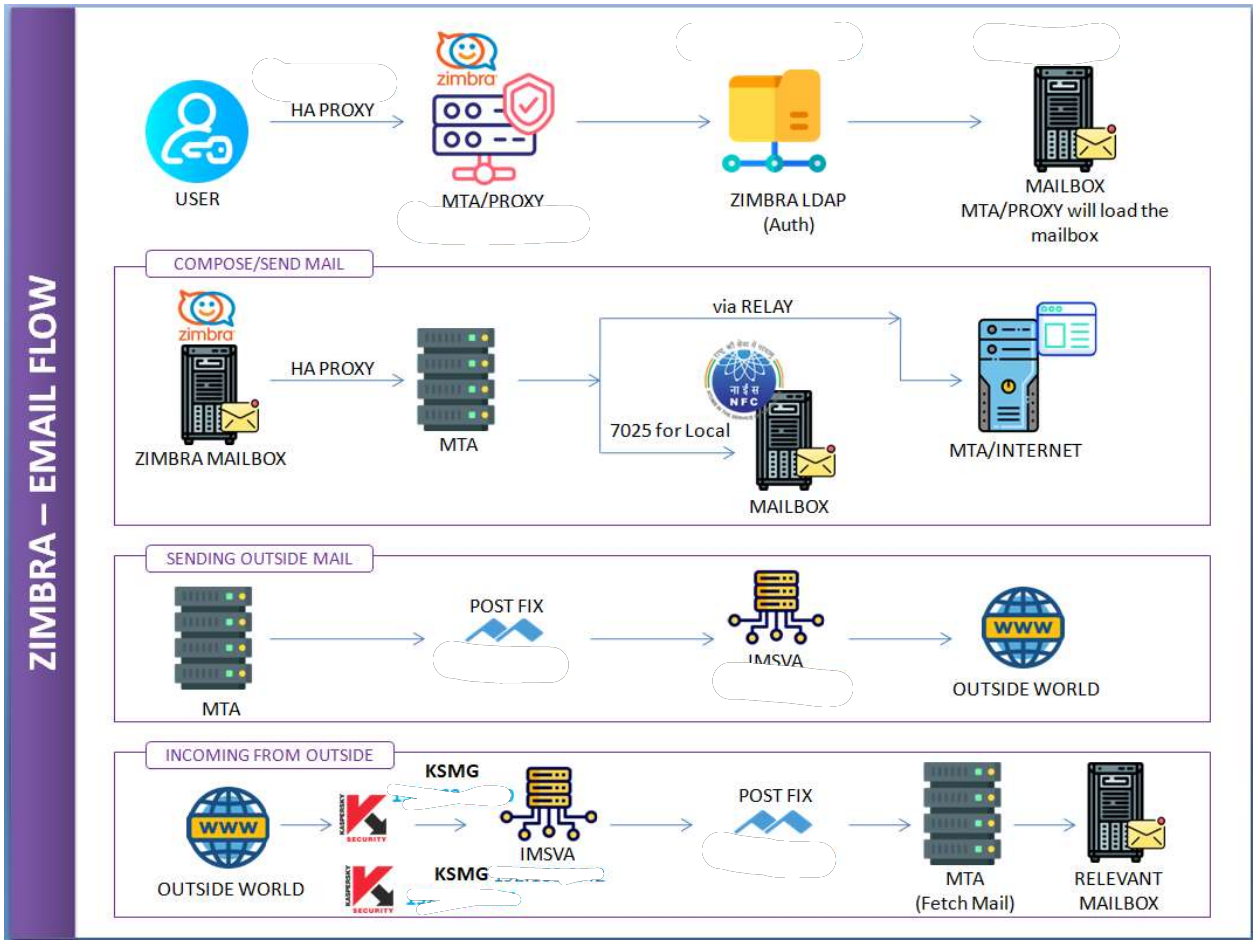
Zcmbox2

#drbdadm status

```
[root@zcmbox2 ~]# drbdadm status
drbd1 role:Secondary
  disk:UpToDate
  zcmbox1.nfc.gov.in role:Primary
    peer-disk:UpToDate

[root@zcmbox2 ~]#
```

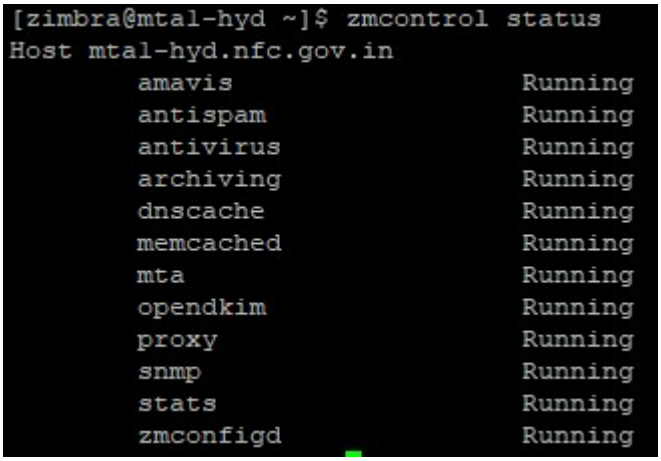
18. Zimbra email flow:



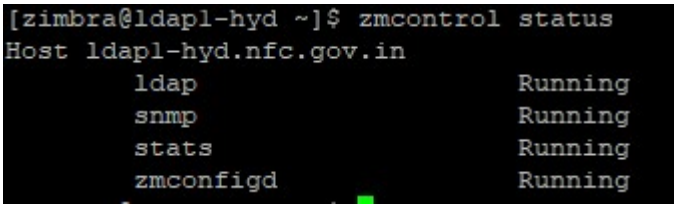
19. To check all services status at all three location status, start & stop check below

- Login as a root user then swith to zimbra user then please follow the below commands:
  # zmcontrol status
  # zmcontrol start
  # zmcontrol restart
  # zmcontrol stop

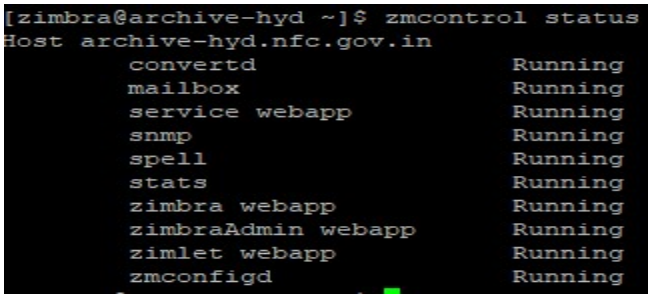
10.172.98.204 & 201 [MTA 1 & 2]



10.172.98.203 & 206 [Ldap 1 & 2]



10.172.98.209 archive server



Need to verify with below commands:

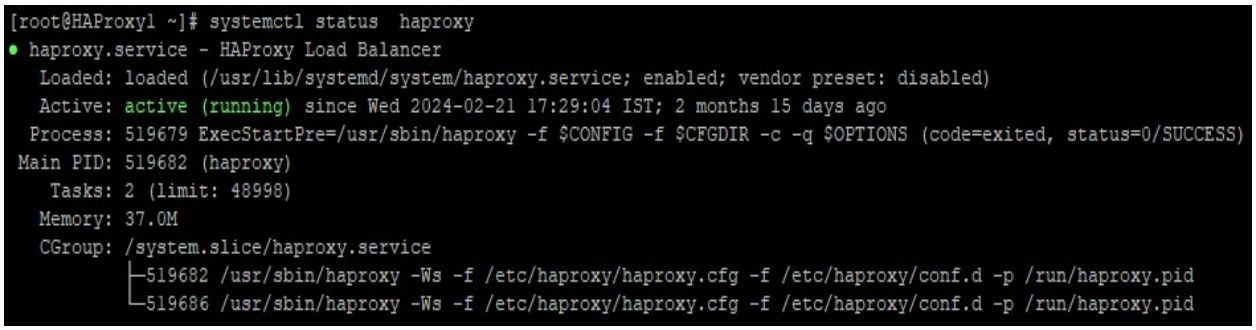
Service Status	Services Start	Services Restart	Services Stop
zmcontrol status to check all services are running or not	zmcontrol start If some services are not running or stopped, we have to use above command	zmcontrol restart If all services are not running we have to restart the services using above command	zmcontrol stop If we need to stop the services, we have to use above command

20. Check HAProxy 1 &HAProxy 2 status, we have to login

#systemctl status haproxy (to check the status of the service)

#systemctl start haproxy (to start the service if it is inactive)

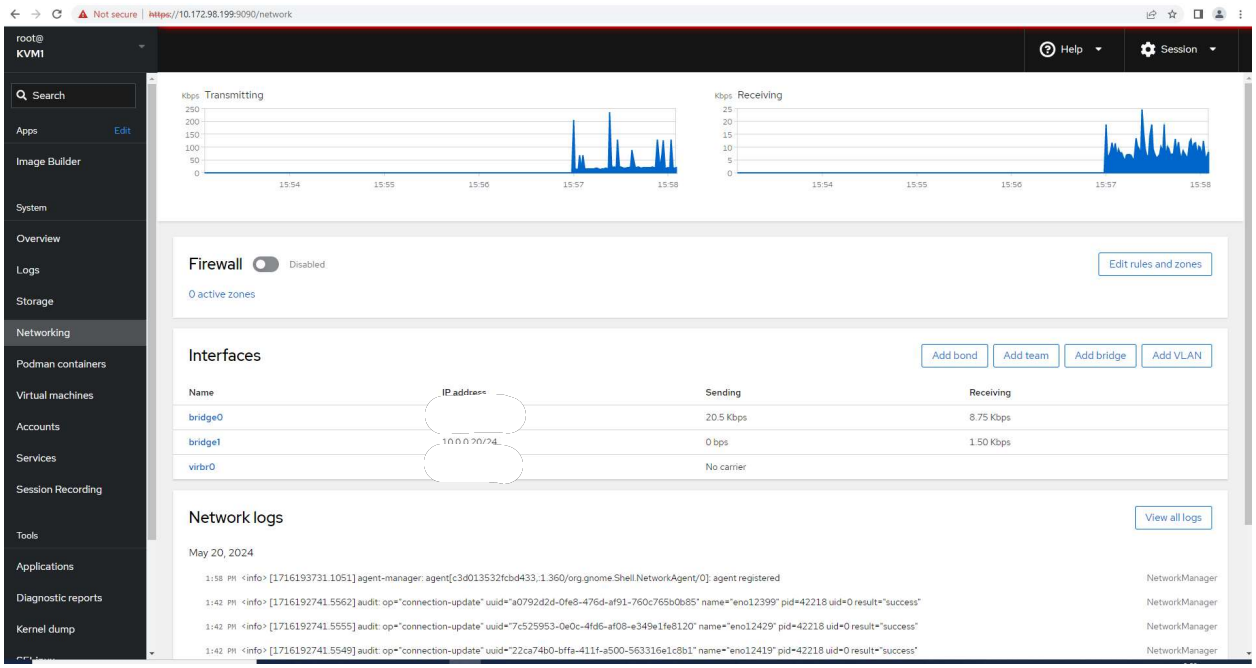
#systemctl stop haproxy (to stop the running service)



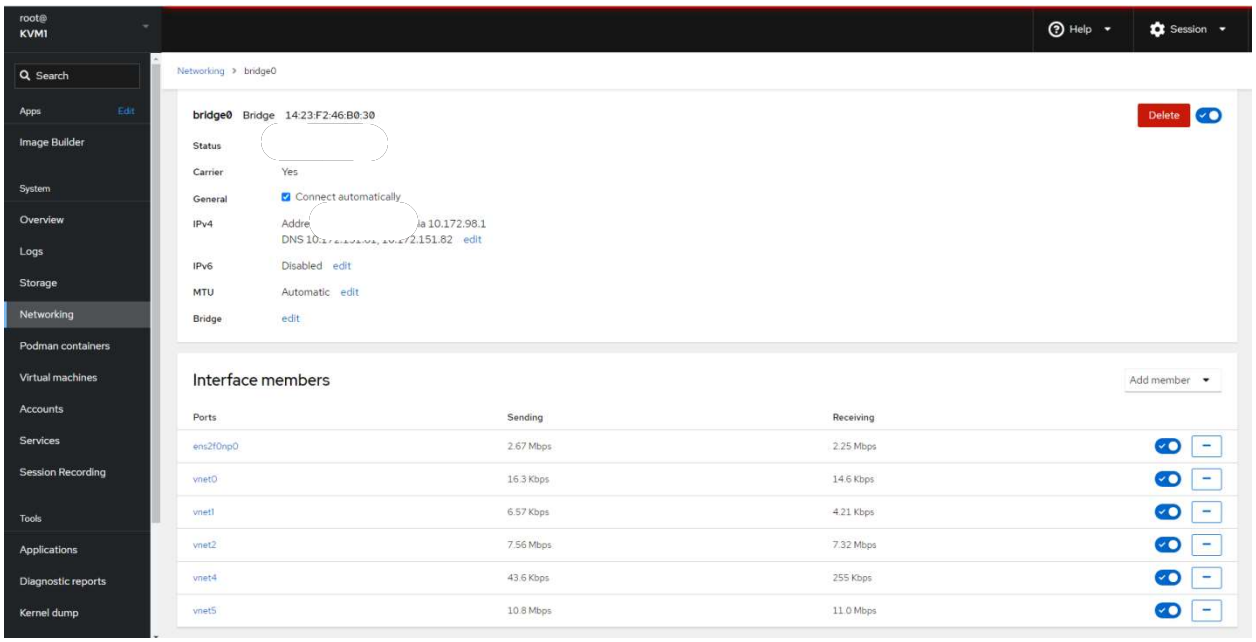
21. All port's & bridges from HYD KVM BM

HYD BM KVM 1 IP [redacted]

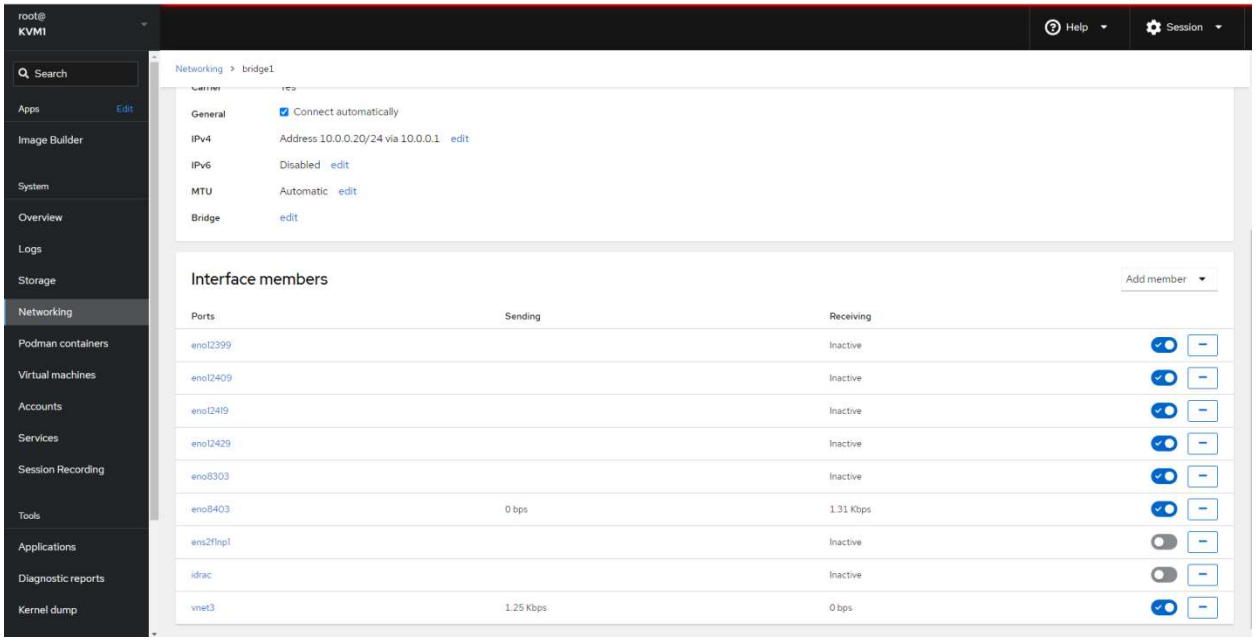
bridge0 & bridge1



bridge0 ports

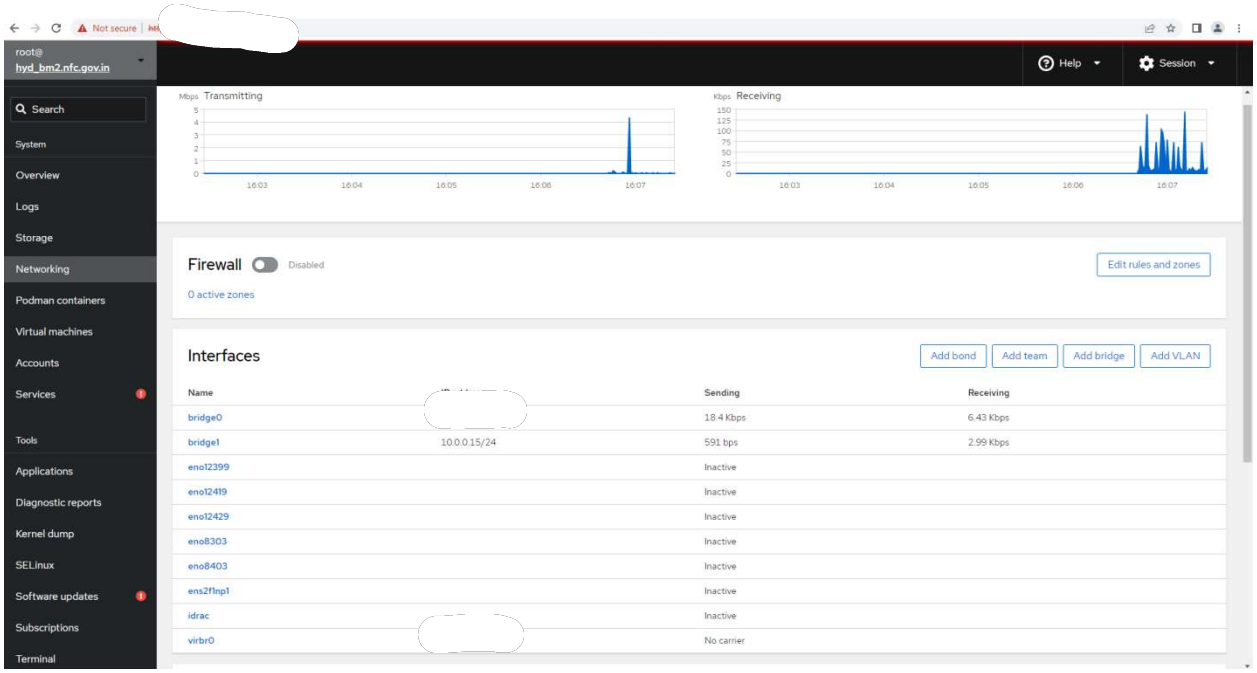


bridge1 ports

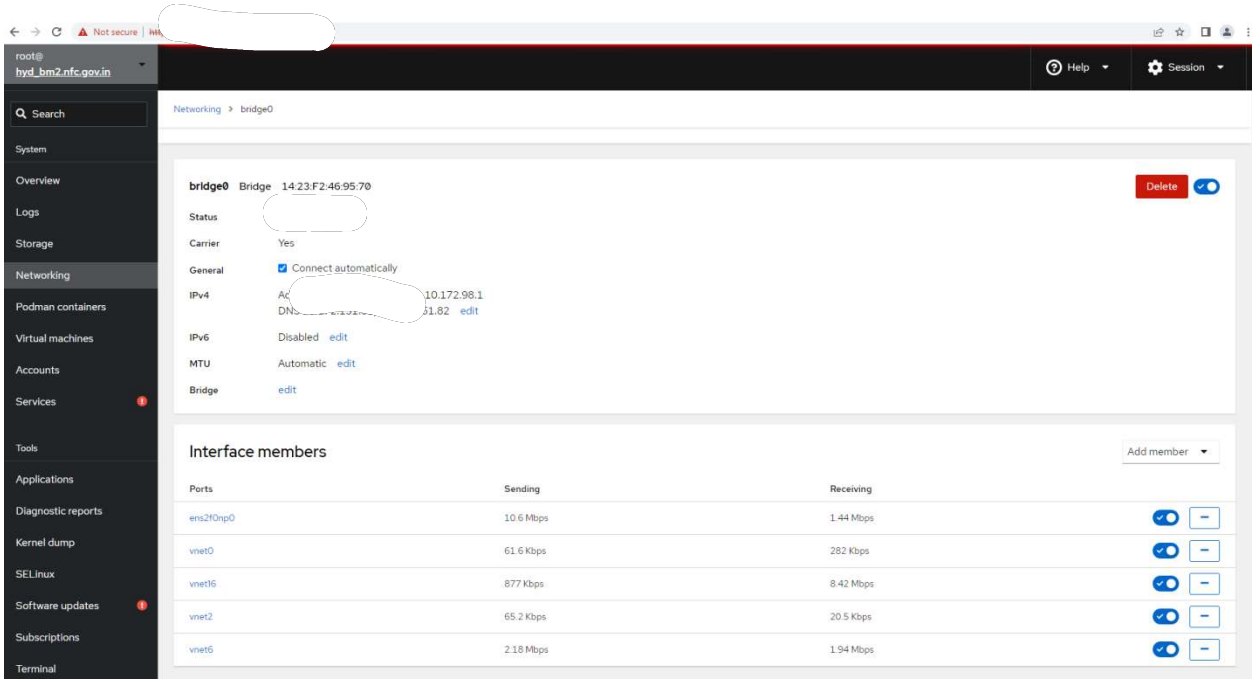


HYD BM KVM2 IP [redacted]

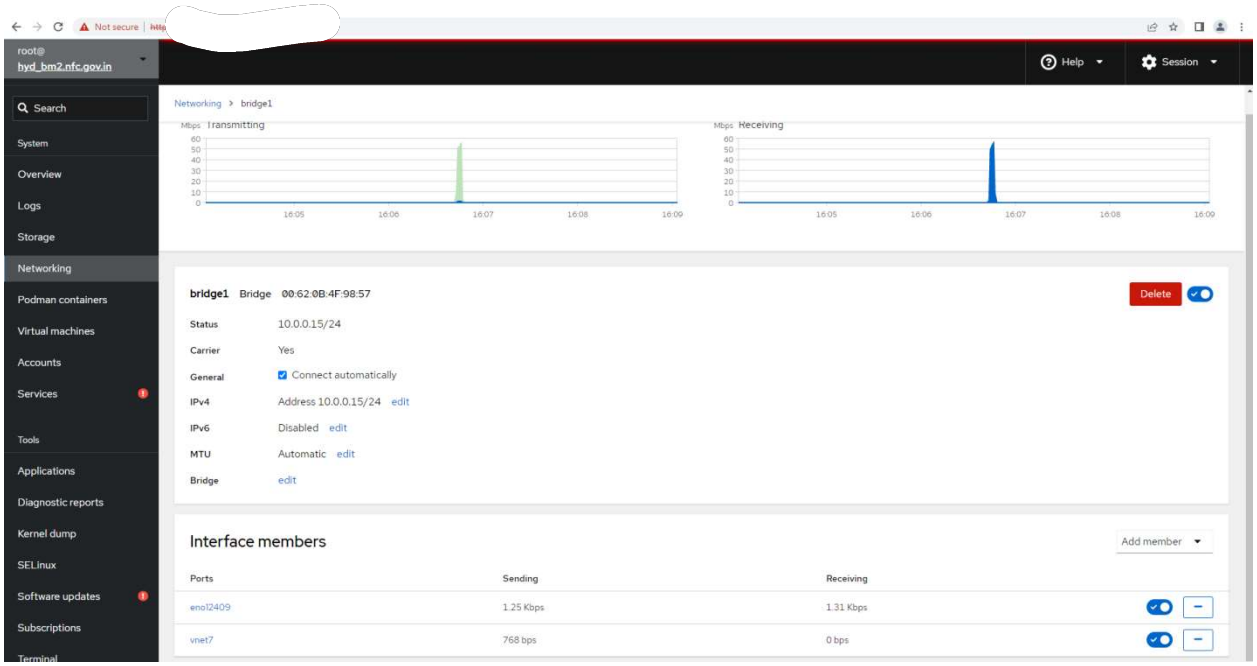
Brige0 & bridge1



Bridge0 ports

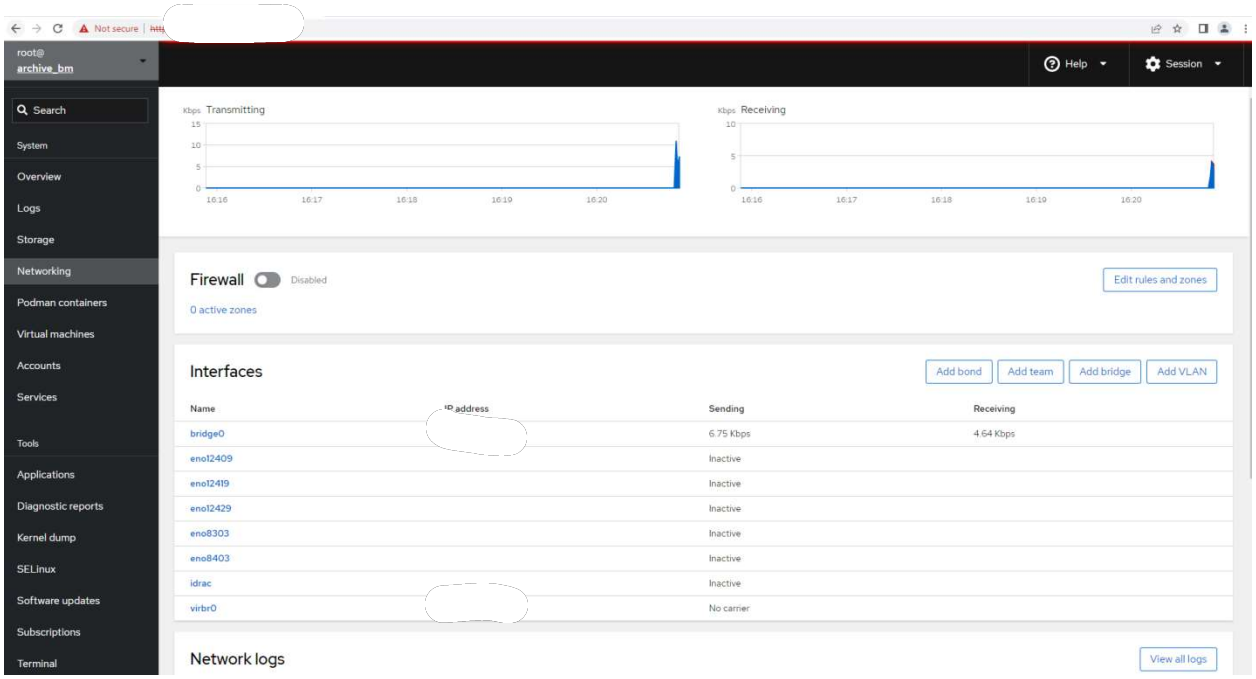


Bridge1 ports

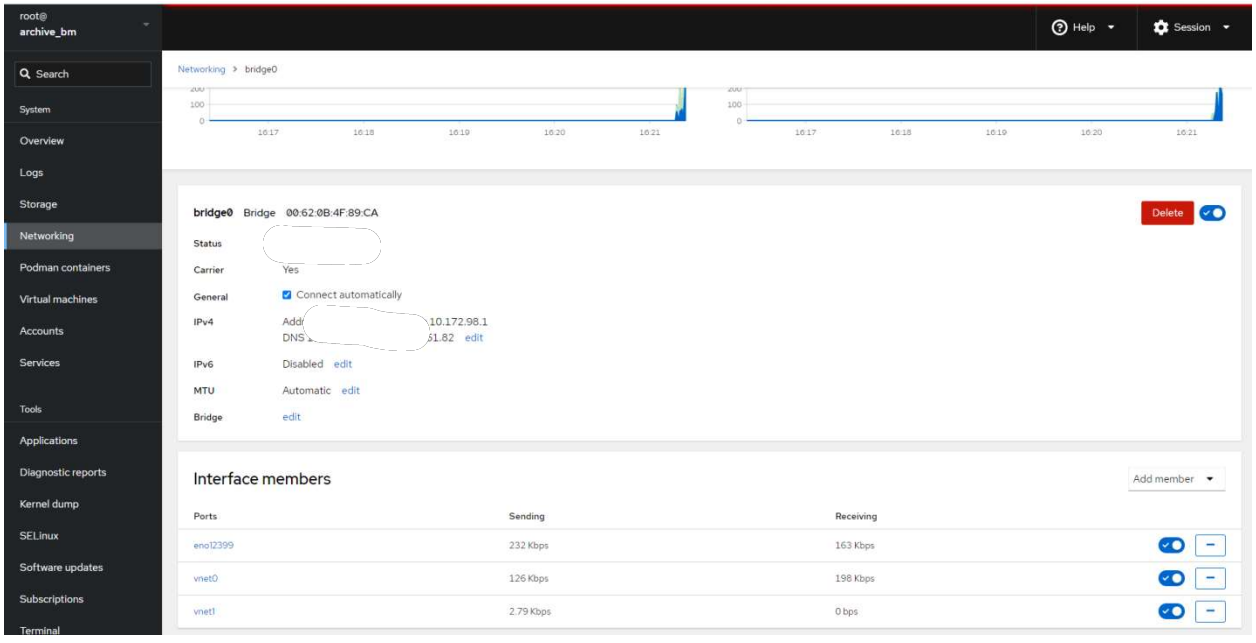


HYD BM Archive : I[redacted]

Bridge0 ports

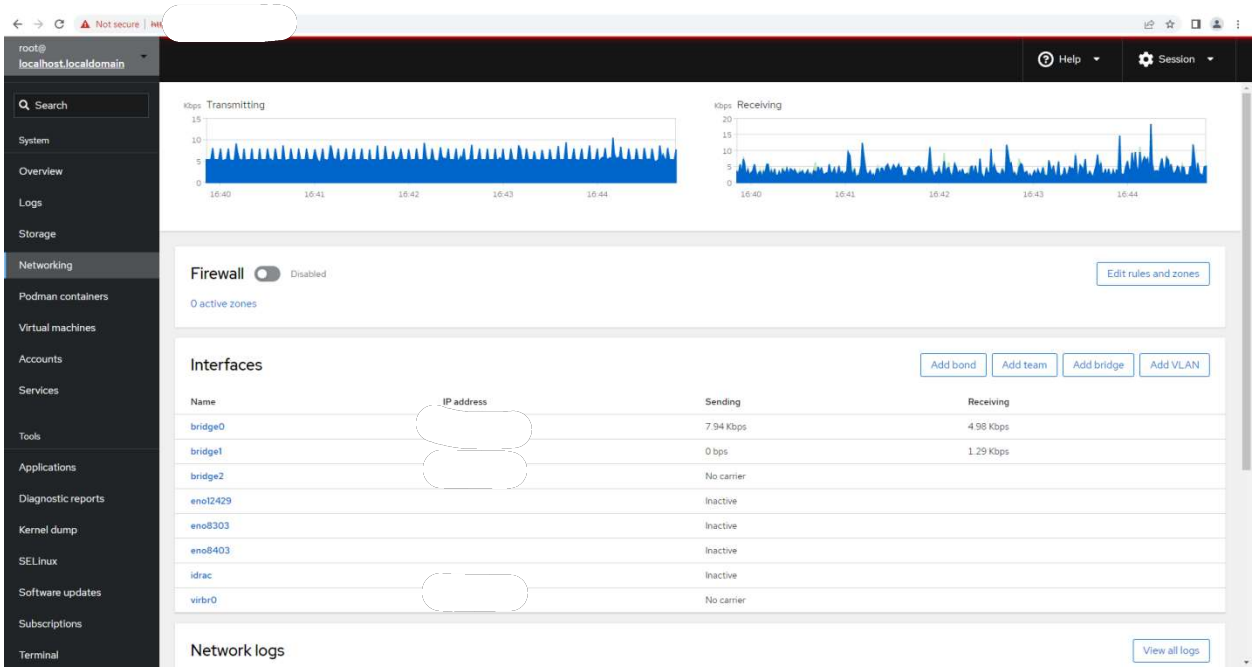


Bridge0 ports

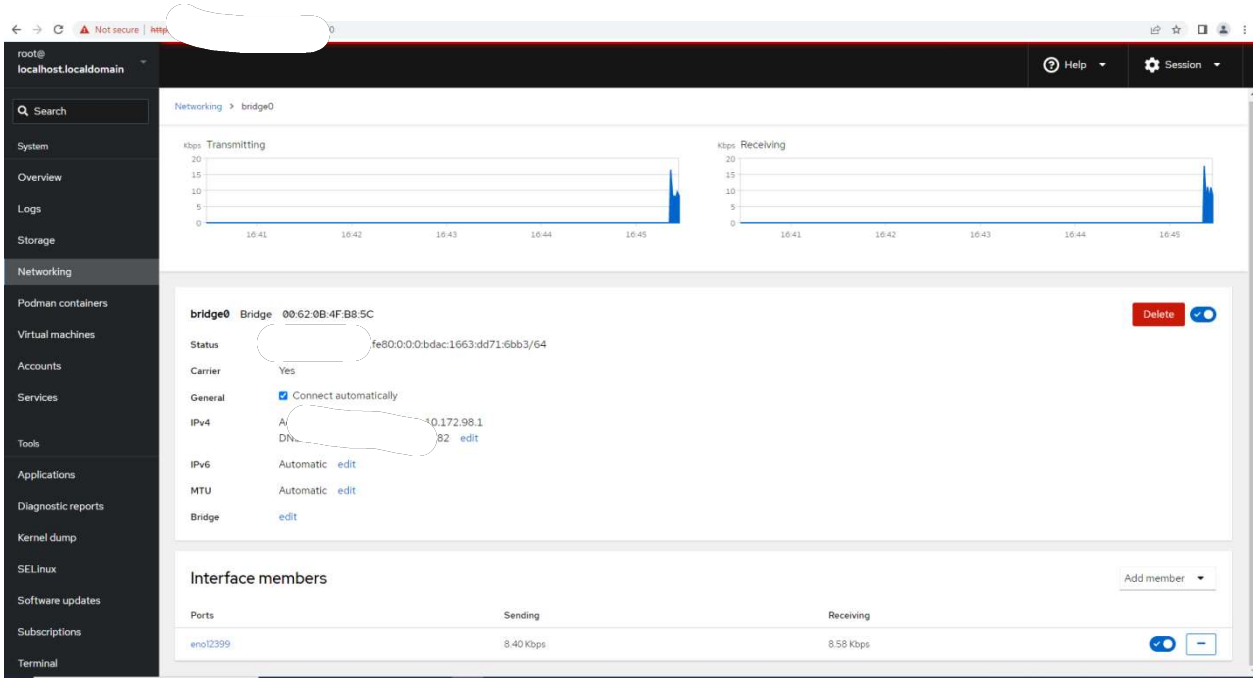


HYD Internal KSMG Anunet: IP

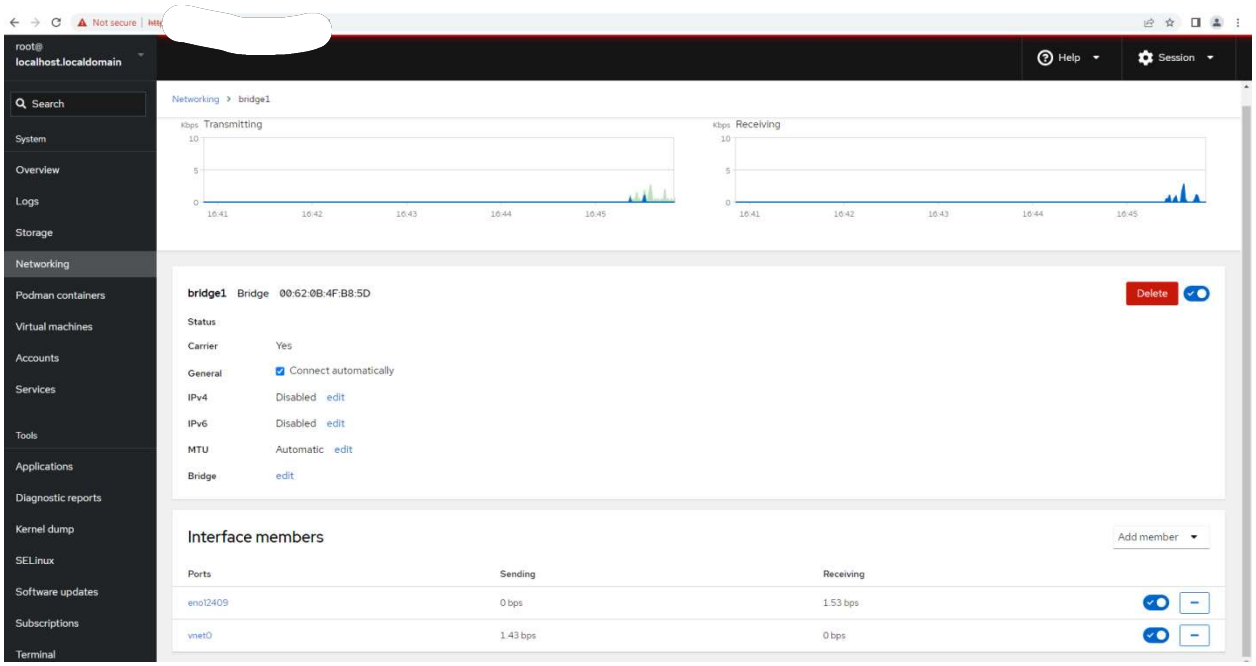
Bridge0 & bridge1



Bridge0 ports



Bridge1 ports



22. To enable SSL certificate for mails

- We have to login HAProxy 1 & 2 in all 3 locations, IP's mentioned below
- HYD HAProxy 1 & 2
- KOTA HAProxy 1 & 2
- ZC HAProxy 1 & 2

Commands to enter the path

 # cd /etc/haproxy/certs/

 # ls

```
[root@HAProxy1 ~]# cd /etc/haproxy/certs/
[root@HAProxy1 certs]# ls
bundle_old.pem  bundle.pem  cert.pem  csr.pem  key.pem  ssl.pem  star_nfc.pem
[root@HAProxy1 certs]#
```

- For Previous file we are taking backup file name bundle.pem renamed as bundle_old.pem
- We combined 3 SSL files into a new file named as bundle-new-4.pem

cat privatekey.key EndEntity_wc.nfc.gov.in.cer 'CA_emSign SSL CA - G1.cer' > bundle-new-4.pem

mv bundle-new-4.pem bundle.pem (we renamed bundle-new-4.pem as bundle.pem)

```
 154  systemctl status haproxy
 155  cd /etc/haproxy/certs
 156  ls
 157   mv bundle.pem bundle_old.pem
 158  ls
 159   mv bundle-new-4.pem bundle.pem
 160  ls
 161  systemctl restart haproxy
 162  systemctl status haproxy
 163  history
```

- After making changes we need to restart the HAProxy services
- After restart check the status commands are mentioned below

systemctl restart haproxy

systemctl status haproxy

Chat SSL certificate:

IP

cd /etc/nginx/

ls

ll

```
[root@chat ~]#
[root@chat ~]#
[root@chat ~]# cd /etc/nginx/
[root@chat nginx]#
[root@chat nginx]#
[root@chat nginx]# ls
certificate.crt  certificate_old.crt  conf.d     fastcgi.conf         fastcgi_params         koi-utf  mime.types         nginx.conf         scgi_params         uwsgi_params         win-utf
certificate.key  certificate_old.key  default.d  fastcgi.conf.default  fastcgi_params.default  koi-win  mime.types.default  nginx.conf.default  scgi_params.default  uwsgi_params.default
[root@chat nginx]#
[root@chat nginx]#
[root@chat nginx]#
[root@chat nginx]# ll
total 88
-rw-r--r--  1 root root 2198 May 23 11:53 certificate.crt
-rw-r--r--  1 root root 1708 May 23 11:53 certificate.key
-rw-r--r--. 1 root root 7856 Aug 31  2023 certificate_old.crt
-rw-r--r--. 1 root root 1704 Aug 31  2023 certificate_old.key
drwxr-xr-x. 2 root root   23 Jul 15 09:46 conf.d
drwxr-xr-x. 2 root root    6 Aug 30  2019 default.d
-rw-r--r--. 1 root root 1077 Aug 30  2019 fastcgi.conf
-rw-r--r--. 1 root root 1077 Aug 30  2019 fastcgi.conf.default
-rw-r--r--. 1 root root 1007 Aug 30  2019 fastcgi_params
-rw-r--r--. 1 root root 1007 Aug 30  2019 fastcgi_params.default
-rw-r--r--. 1 root root 2837 Aug 30  2019 koi-utf
-rw-r--r--. 1 root root 2223 Aug 30  2019 koi-win
-rw-r--r--. 1 root root 5170 Aug 30  2019 mime.types
-rw-r--r--. 1 root root 5170 Aug 30  2019 mime.types.default
-rw-r--r--. 1 root root 2469 Aug 30  2019 nginx.conf
-rw-r--r--. 1 root root 2656 Aug 30  2019 nginx.conf.default
-rw-r--r--. 1 root root  636 Aug 30  2019 scgi_params
-rw-r--r--. 1 root root  636 Aug 30  2019 scgi_params.default
-rw-r--r--. 1 root root  664 Aug 30  2019 uwsgi_params
-rw-r--r--. 1 root root  664 Aug 30  2019 uwsgi_params.default
-rw-r--r--. 1 root root 3610 Aug 30  2019 win-utf
[root@chat nginx]#
```

We have taken backup old files as certificate_old.crt certificate_old.key

mv certificate.crt certificate_old.crt

mv certificate.key certificate_old.key

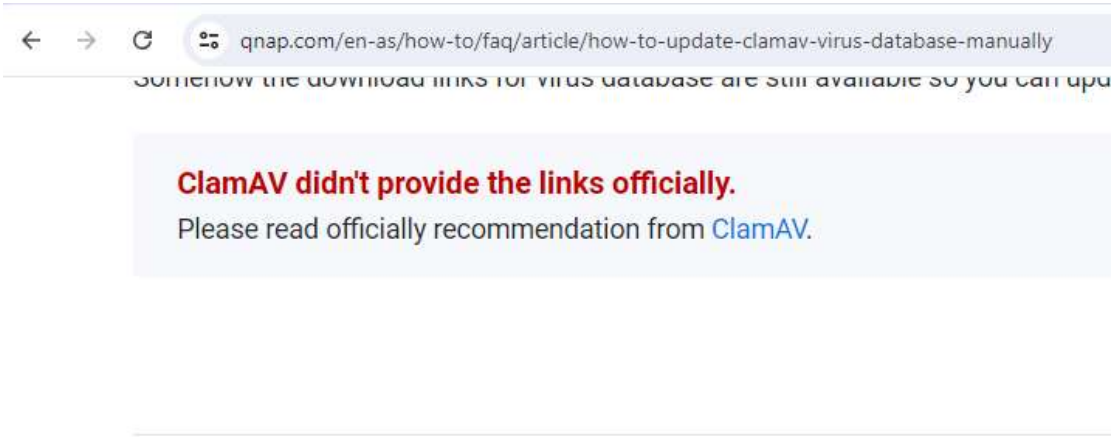
After adding new ssl certificate file, We need to restart the service

systemclt restart nginx

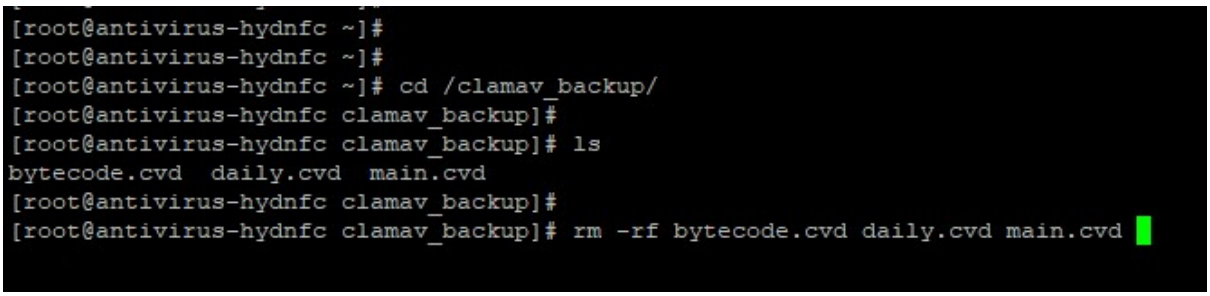
SOP for Antivirus updation on Email Systems:

1. Download latest updates from website using the following links

   https://www.qnap.com/en-as/how-to/faq/article/how-to-update-clamav-virus-database-manually



2. Process to update ClamAV & Process for placing the files on



   # cd /clamav_backup/

#ls
bytecode.cvd daily.cvd main.cvd
#rm -rf bytecode.cvd daily.cvd main.cvd

```
[root@antivirus-hydnfc ~]#
[root@antivirus-hydnfc ~]#
[root@antivirus-hydnfc ~]# cd /var/www/html/clamavdb
[root@antivirus-hydnfc clamavdb]#
[root@antivirus-hydnfc clamavdb]#
[root@antivirus-hydnfc clamavdb]# ls
bytecode-334.cdiff  bytecode.cvd  daily-27184.cdiff  daily.cvd  dns.txt  main-62.cdiff  main.cvd
[root@antivirus-hydnfc clamavdb]#
[root@antivirus-hydnfc clamavdb]#
[root@antivirus-hydnfc clamavdb]# mv bytecode.cvd daily.cvd main.cvd
```

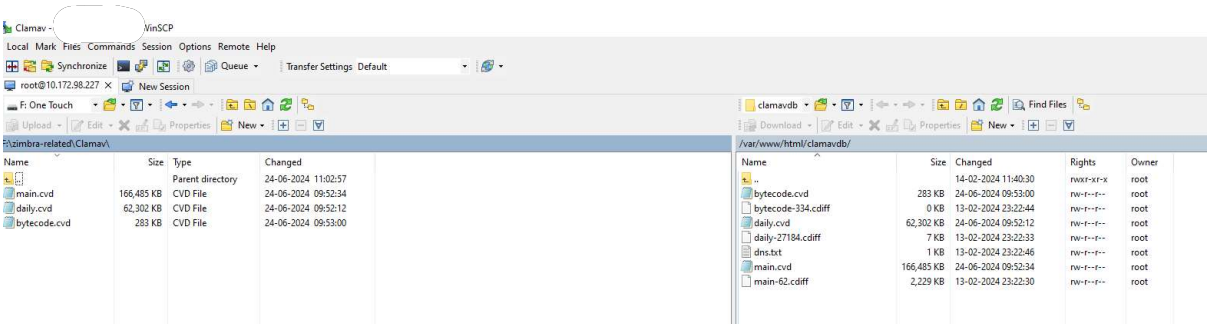
- We will take backup for old updated files in clamav_backup folder

cd /var/www/html/clamavdb
mv bytecode.cvd daily.cvd main.cvd /clamav_backup

- After taking backup from /var/www/html/clamavdb folder to clamav_backup folder

3. Procedure for Verify and copy the downloaded files from Internet to NFCNet :
    - After downloading from internet we will place those files in antivirus server with the help of hardisk
    - Through Winscp We will copy the files after downloading from internet

Winscp:



cd /var/www/html/clamavdb
ls
bytecode-334.cdiff bytecode.cvd daily-27184.cdiff daily.cvd dns.txt main-62.cdiff main.cvd

```
[root@antivirus-hydnfc ~]# cd /var/www/html/clamavdb
[root@antivirus-hydnfc clamavdb]#
[root@antivirus-hydnfc clamavdb]#
[root@antivirus-hydnfc clamavdb]# ls
bytecode-334.cdiff  bytecode.cvd  daily-27184.cdiff  daily.cvd  dns.txt  main-62.cdiff  main.cvd
[root@antivirus-hydnfc clamavdb]#
```

4. Verification procedure:

```
[root@mtal-hyd ~]#
[root@mtal-hyd ~]# /opt/zimbra/common/bin/freshclam --version --config-file=/opt/zimbra/conf/freshclam.conf
WARNING: Ignoring deprecated option SafeBrowsing at /opt/zimbra/conf/freshclam.conf:222
ClamAV 0.105.2/27336/Sun Jul 14 14:03:25 2024
[root@mtal-hyd ~]#
```

/opt/zimbra/common/bin/freshclam --version --config-file=/opt/zimbra/conf/freshclam.conf

Result:
ClamAV 1.0.1/27313/Fri Jun 21 13:58:08 2024

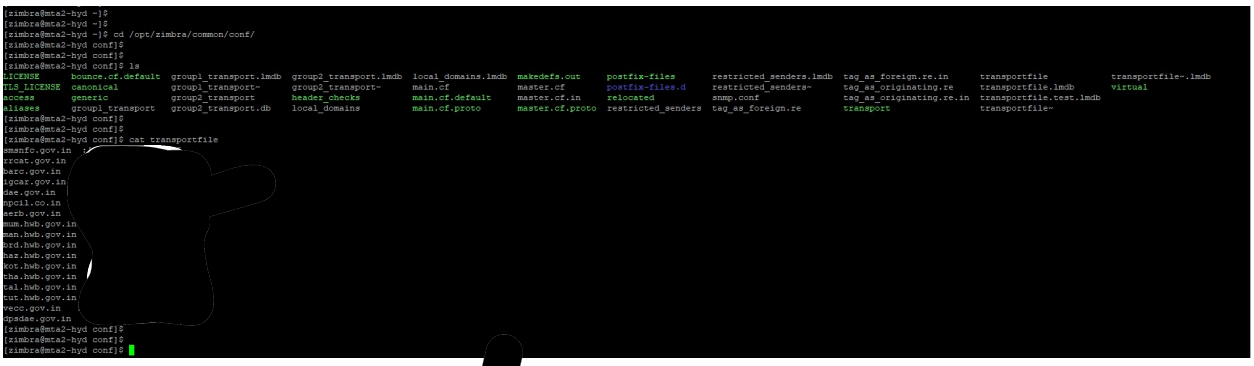
Change Mail Routing from UUCP to Anunet and Vice Versa

Switch to zimbra user after login to the both Hyderabad MTA servers, IP's mentioned below IP's : and)

Open #Cd /opt/zimbra/common/conf/transportfile

ls

Cat transportfile



To change the routing from anunet to in IMSVA

vi transportfile

After opening we need to give # comment for domains in both mta1 & mta2 as shown below image

After giving # comment we need to run postmap, command given below

postmap transportfile (in both MTA's)

After running postmap in both MTA's mails go through internet IMSVA

To revert back to anunet gateway repeat the step uncommenting and run #postmap transportfile in both MTA's

Account Setup Status of User Accounts Admin Console:

Active: Mail account can open and operate

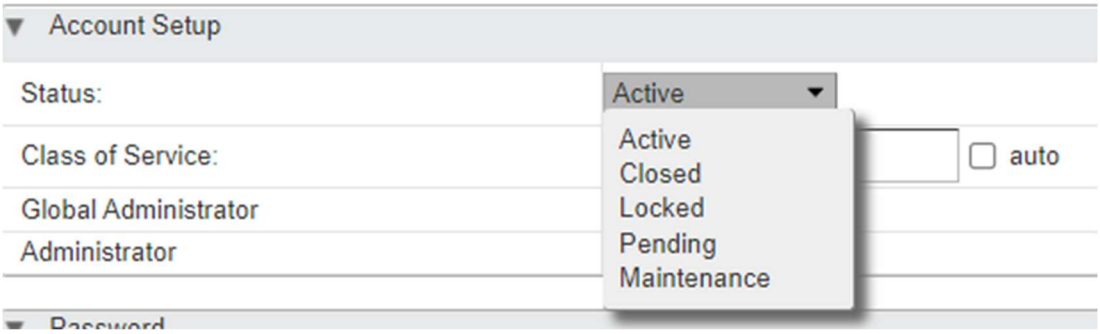
Closed: Mail account can't be opened, mails won't be received and can't be sent by end user.

Locked: Mail account will can't open mails can receive can send by end user.

Pending: Mail account can't be opened, mails won't be received and can't be sent by end user.

Maintenance: Mail account will can't open mails can receive can send by end user.

Please find the below step's:



1. **Active**: Active Normal state for mailbox account. Mail is delivered and users can log in to the client interface. The account is fully active and operational. The user can log in, send, and receive emails without there restrictions.

2. **Closed**: When a domain status is marked as closed, Login for accounts on the domain is disabled and messages are bounced The user cannot log in or access the account.

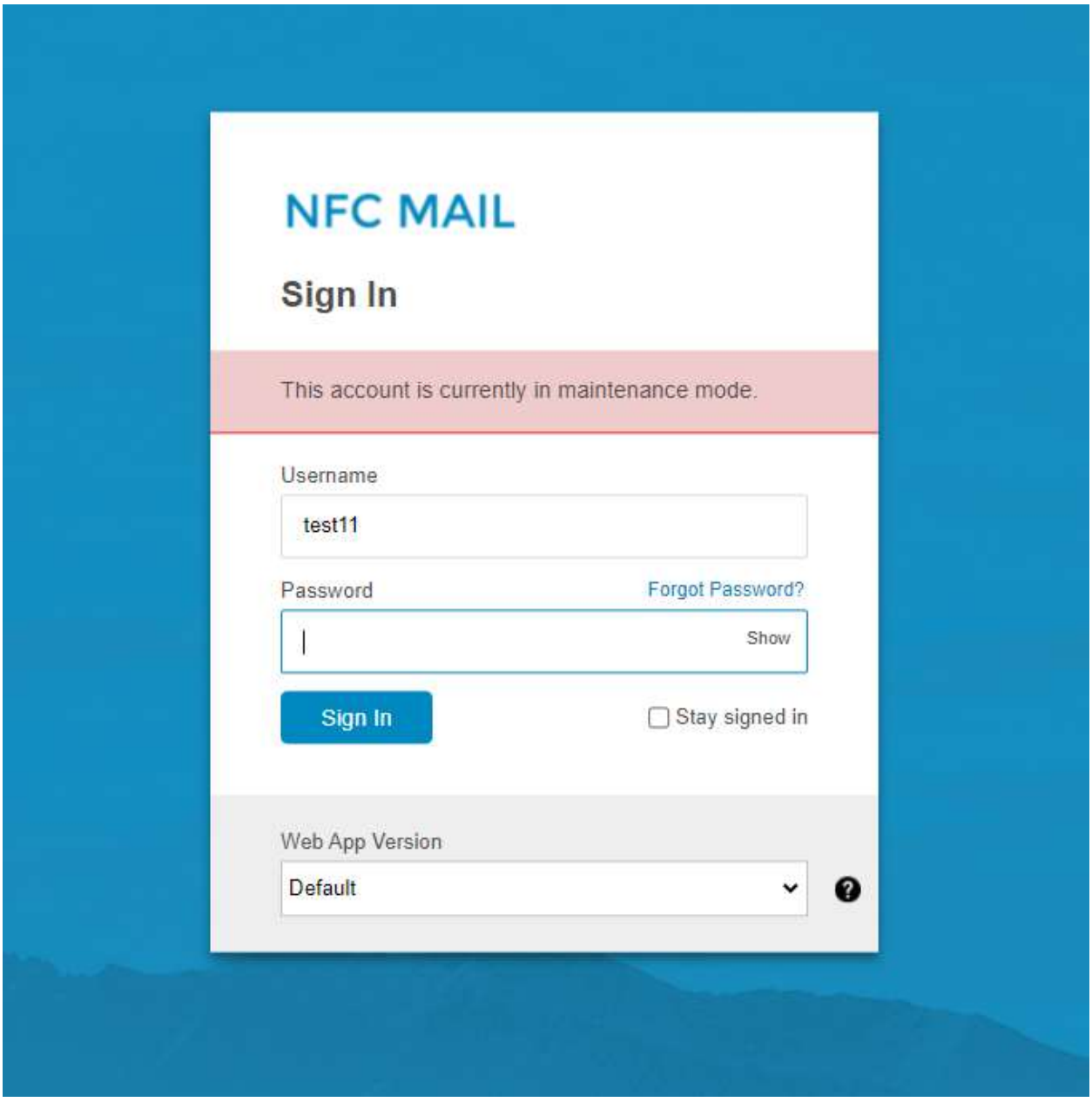
3. **Locked**: The account is locked. The user cannot log in, but incoming emails are still accepted and delivered to the mailbox, Used as a temporary measure when an account needs to be suspended without rejecting incoming emails, such as during an investigation or security concern.

4. **Pending:** The account is pending activation. It is not yet active, and the user cannot log in or use the account. Used for accounts that have been created but are awaiting some form of approval or activation process.

5. **Maintenance:** The account is in maintenance mode. The user cannot log in, and incoming emails will receive. Used when an account needs to be temporarily disabled for maintenance purposes, such as data migration or troubleshooting.

Please find the image below for Maintenance mode:

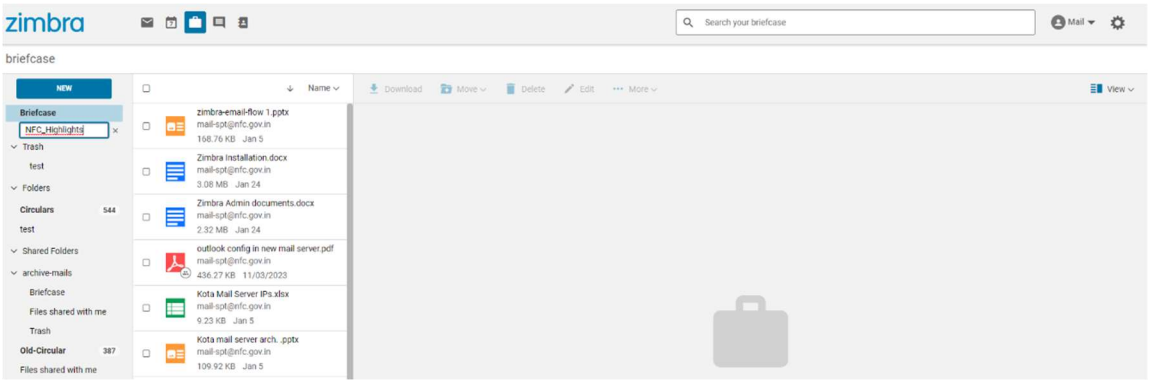
This account is currently in maintenance mode.

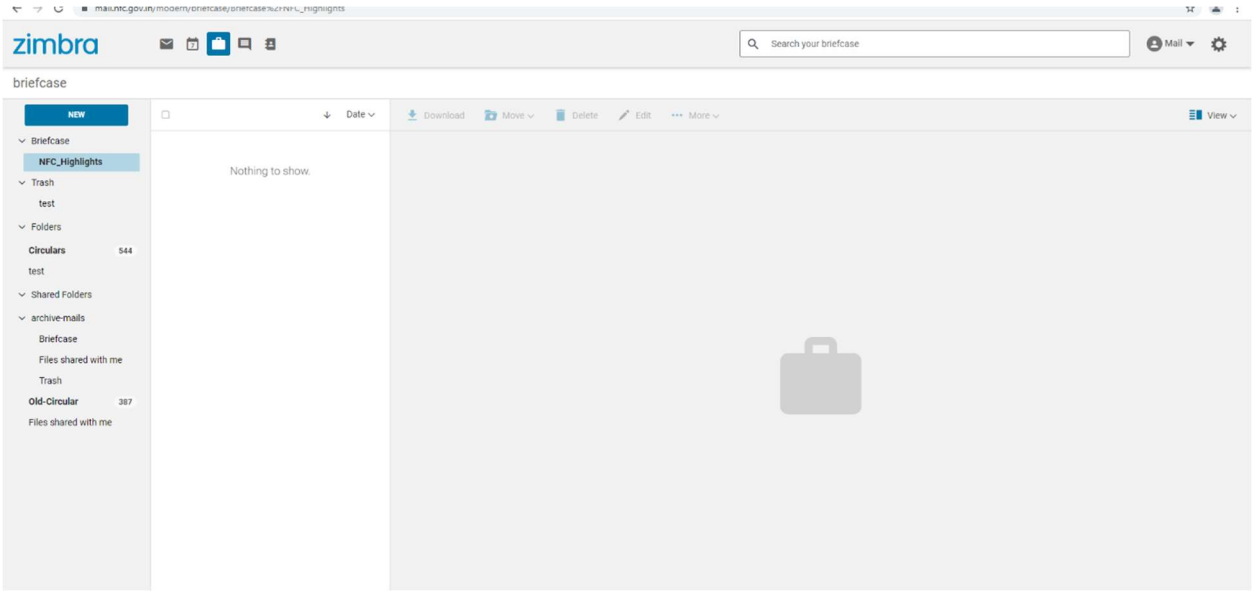


BRIEFCASE SHARE FOLDER

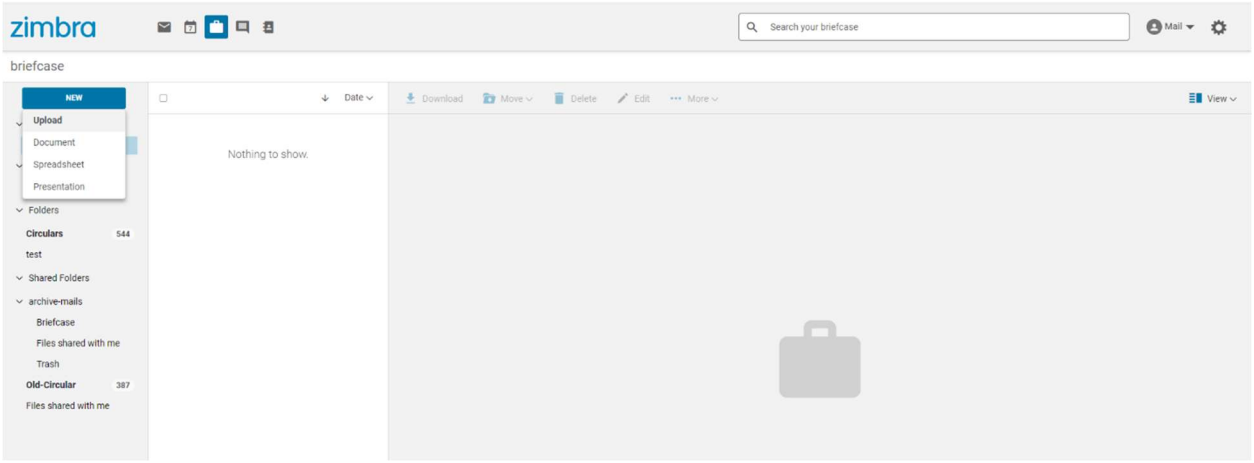
- Briefcase is used to share a document/files to anyone of the user.

1. Please login to mail your account.
2. Go to Briefcase and select folder.
3. Under briefcase we have created one folder nfc_highlights.
4. Right click on that folder.
5. Please find the below images.

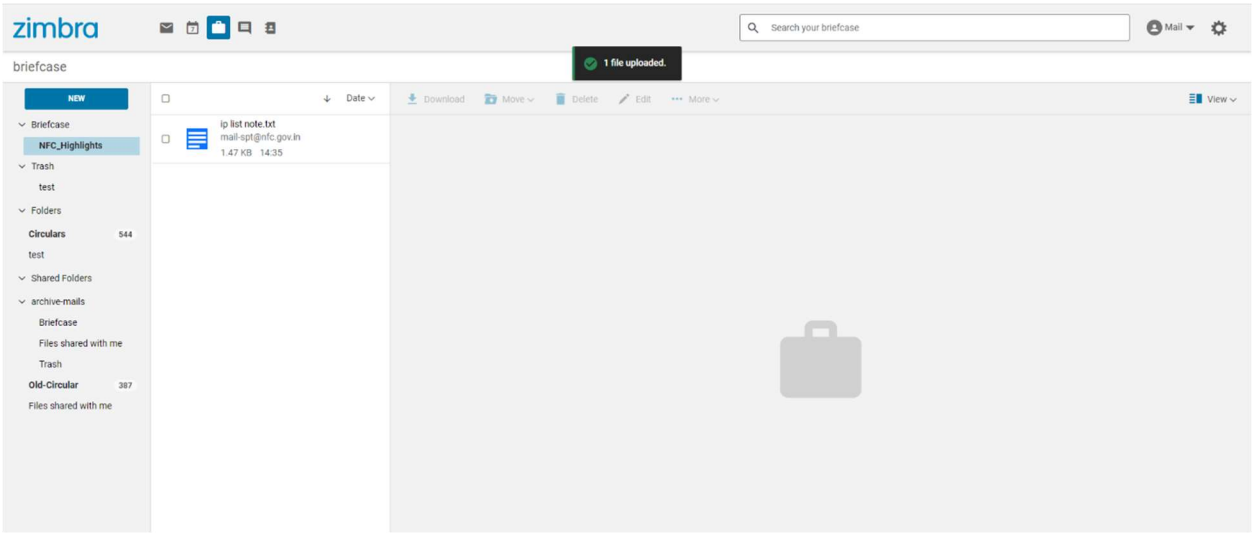




- Upload a document.
- Please find the below image.



- Upload a document under nfc_highlights folder.
- Please find below image.



- Right click on nfc_highlights folder.
- Share folder with view or editable permissions.
- Please find below image.