YUM SERVER INSTALLATION

Step1: connect DVD to server and mount it

[root@server1 ~]# mount /dev/sr0 /mnt/

Step2: Goto respective directory to find rpm for vsftpd

cd /mnt/AppStream/Packages/

ls -lh vsftpd*

Step3 Install vsftpd

[root@server1 Packages]# rpm -ivh vsftpd-3.0.3-31.el8.x86_64.rpm

Step4: start the service of ftp server

[root@server1 Packages]# systemctl start vsftpd

[root@server1 Packages]# systemctl status vsftpd

[root@server1 Packages]# systemctl enable vsftpd ### To make service persistant across reboot

Step5: copy dvd content onto ftp location as below

[root@server1 Packages]# mkdir -p /var/ftp/pub/rhel82 ## create one dir inside ftp

[root@server1 Packages]# cd /var/ftp/pub/rhel82 ## goto created dir

[root@server1 rhel8-dvd]# cp -rpv /mnt/* /var/ftp/pub/rhel82/ ## copy DVD content

Step6: Create Repo file for YUM

goto "cd /etc/yum.repos.d/"

create one repo file named " rhel.repo"

modify repofile vi rhel.repo

[root@server1 yum.repos.d]# cat rhel8.repo

[rhel8]

name= Redhat Enterprise Linux 8.2 -AppStream

baseurl=file:///var/ftp/pub/rhel82/AppStream

enabled=1

gpgcheck=0

[baseos]

name= Redhat Enterprise Linux 8.2 -baseos

baseurl=file:///var/ftp/pub/rhel82/BaseOS

enabled=1

gpgcheck=0

Step7: verify whether repo is working or not

yum clean all

yum repolist

yum list

Note: In rhel8 by default anonymous user is disabled in ftp server so we need to allow it as shown below

vi /etc/vsftpd/vsftpd.conf

anonymous_enable=NO ---change to YES anonymous_enable=YES

Save the file

 # restart the service using # systemctl restart vsftpd

Client side yum configure through ftp

Step1: connect DVD to server and mount it

[root@client ~]# mount /dev/sr0 /mnt/

Step2: Goto respective directory to find rpm for vsftpd

cd /mnt/AppStream/Packages/

ls -lh ftp*

Step3 Install vsftpd

[root@server1 Packages]# rpm -ivh ftp-3.0.3-31.el8.x86_64.rpm

Step4: start the service of ftp server

[root@client Packages]# systemctl start ftp

[root@client Packages]# systemctl status ftp

[root@client Packages]# systemctl enable ftp ### To make service persistent across reboot

Step 5 check ftp

[root@client Packages]# ftp <server ip >

[root@client Packages]# insert ftp or username

[root@client Packages]# root password

```
[root@server ~]# ftp 192.168.254.154
Connected to 192.168.254.154 (192.168.254.154).
220 (vsFTPd 3.0.3)
Name (192.168.254.154:root): ftp
331 Please specify the password.
Password:
230 Login successful.
Remote system type is UNIX.
Using binary mode to transfer files.
ftp> bye
221 Goodbye.
[root@server ~]#
```

- **If this error found client side in ftp**

```
[root@client ~]# ftp 192.168.254.149
ftp: connect: No route to host
ftp>
```

Solution: -

1. Firewall service disable →systemctl stop firewalld
   Systemctl disable firewalld
2. Firewall port enable to server side

```
[root@server ~]# firewall-cmd --permanent --add-port=21/tcp
success
[root@server ~]# firewall-cmd --reload
success
[root@server ~]#
```

```
[root@vivek /]# firewall-cmd --permanent --add-port=20/tcp
success
[root@vivek /]# firewall-cmd --reload
success
```

- **If this error found client side in ftp**

```
[root@client ~]# ftp 192.168.254.149
Connected to 192.168.254.149 (192.168.254.149).
220 (vsFTPd 3.0.3)
Name (192.168.254.149:root): ftp
331 Please specify the password.
Password:
230 Login successful.
Remote system type is UNIX.
Using binary mode to transfer files.
ftp> ls
227 Entering Passive Mode (192,168,254,149,228,98).
ftp: connect: No route to host
ftp> cd
(remote-directory) ls
550 Failed to change directory.
ftp> pwd
```

Solutions: -

1. **Disable selinux to server side**

```
[root@server ftp]# cd /etc/selinux/ ———— Go to Path server side
[root@server selinux]# ls
config  semanage.conf  targeted
[root@server selinux]# vim config ———— Create vim file server side in this location

# This file controls the state of SELinux on the system.
# SELINUX= can take one of these three values:
#     enforcing - SELinux security policy is enforced.
#     permissive - SELinux prints warnings instead of enforcing.
#     disabled - No SELinux policy is loaded.
SELINUX=disabled    by default is available enforcing mode make change and overwrite disabled
# SELINUXTYPE= can take one of these three values:
#     targeted - Targeted processes are protected,
#     minimum - Modification of targeted policy. Only selected processes are protected.
#     mls - Multi Level Security protection.
SELINUXTYPE=targeted
```

Note: - after modified this file compulsory reboot the server system

Step6: YUM client-side configuration

[root@client ~]# cd /etc/yum.repos.d/

[root@client yum.repos.d]# vi rhel8.repo

[rhel8]

name= Redhat Enterprise Linux 8.2 -AppStream

baseurl=ftp://192.168.100.201/pub/rhel8/AppStream →**Add server path**

enabled=1

gpgcheck=0

[baseos]

name= Redhat Enterprise Linux 8.2 -baseos

baseurl=ftp://192.168.100.201/pub/rhel8/BaseOS → **Add server path**

enabled=1

gpgcheck=0

Step7: verify yum is working on client side or not

yum clean all

yum repolist

yum list