

Follow the steps to create a local yum repo.

1. Go to /etc/yum.repos.d and check the config file present in this directory
 - a. vi centos.repo and observe.
2. Attach the CentOS stream 9 iso file to the system
 - a. VM→VM Settings →CD/DVD →use iso image →browse and attach iso file
3. Confirm iso is in the system
 - a. df -h
 - b. ls -ld /dev/sr0
 - c. ls -ld /dev/cdrom
4. Create a mount point for the iso. **
 - a. mkdir /iso
5. Mount the iso **
 - a. mount /dev/sr0 /iso
6. Verify the packages files **
 - a. cd /iso/AppStream/Packages and ls
 - b. cd /iso/BaseOS/Packages and ls
7. Create a directory
 - a. mkdir /var/ftp/pub/localrepo/AppStream
 - b. mkdir /var/ftp/pub/localrepo/BaseOS
8. Copy the .rpm packages from iso folder
 - a. cd /iso
 - b. cp -rv AppStream/Packages /var/ftp/pub/localrepo/AppStream/
 - c. cp -rv BaseOS/Packages /var/ftp/pub/localrepo/BaseOS/
9. Install createrepo_c package to get createrepo_c command.
 - a. yum install createrepo_c

10. Now create the local repository using createrepo_c cmd

- a. createrepo_c -v /var/ftp/pub/localrepo/AppStream/Packages/
- b. createrepo_c -v /var/ftp/pub/localrepo/BaseOS/Packages/

11. Create the repository configuration file in /etc/yum.repos.d

- a. make sure it has .repo extension
- b. vi local.repo – copy the below lines

```
[Localrepo_BaseOS]
name=Localrepo_BaseOS
baseurl=file:///var/ftp/pub/localrepo/BaseOS/Packages
enabled=1
gpgcheck=0

[Localrepo_AppStream]
name=Localrepo_AppStream
baseurl=file:///var/ftp/pub/localrepo/AppStream/Packages
enabled=1
gpgcheck=0
```

- c. save and exit
- d. make sure yum.repos.d has only local.repo file

12. check yum repo

- a. yum repolist

13. yum install httpd

14. yum install mysql

15. yum install nfs-utils

****Steps 4, 5 and 6 are optional .If you do not create a mount point for iso.**

Instead of Step 8 do the following -

Copy the Packages from

- a. `cd /run/media/username/ CentOS-Stream-9-BaseOS-x86_64`
- b. `cp -rv AppStream/Packages /var/ftp/pub/localrepo/AppStream/`
- c. `cp -rv BaseOS/Packages /var/ftp/pub/localrepo/BaseOS/`

and complete the other steps.