

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.

```
[baseos]
name=CentOS Stream $releasever - BaseOS
metalink=https://mirrors.centos.org/metalink?repo=centos-baseos-$stream&arch=$basearch&protocol=https,http
gpgkey=file:///etc/pki/rpm-gpg/RPM-GPG-KEY-centosofficial
gpgcheck=1
repo_gpgcheck=0
metadata_expire=6h
countme=1
enabled=1

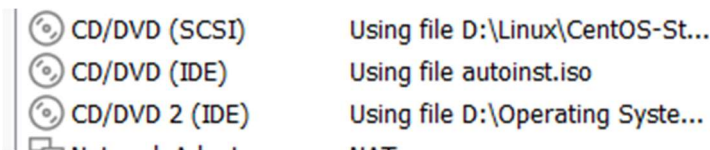
[baseos-debuginfo]
name=CentOS Stream $releasever - BaseOS - Debug
metalink=https://mirrors.centos.org/metalink?repo=centos-baseos-debug-$stream&arch=$basearch&protocol=https,http
gpgkey=file:///etc/pki/rpm-gpg/RPM-GPG-KEY-centosofficial
gpgcheck=1
repo_gpgcheck=0
metadata_expire=6h
enabled=0

[baseos-source]
name=CentOS Stream $releasever - BaseOS - Source
metalink=https://mirrors.centos.org/metalink?repo=centos-baseos-source-$stream&arch=source&protocol=https,http
gpgkey=file:///etc/pki/rpm-gpg/RPM-GPG-KEY-centosofficial
gpgcheck=1
repo_gpgcheck=0
metadata_expire=6h
enabled=0

[appstream]
name=CentOS Stream $releasever - AppStream
metalink=https://mirrors.centos.org/metalink?repo=centos-appstream-$stream&arch=$basearch&protocol=https,http
gpgkey=file:///etc/pki/rpm-gpg/RPM-GPG-KEY-centosofficial
gpgcheck=1
repo_gpgcheck=0
metadata_expire=6h
countme=1
enabled=1
```

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

```
[jaysimman@server ~]$ df -h
Filesystem      Size  Used Avail Use% Mounted on
devtmpfs        4.0M   0    4.0M   0% /dev
tmpfs           870M   0    870M   0% /dev/shm
tmpfs           348M   7.4M  341M   3% /run
/dev/mapper/cs-root 17G   4.6G   13G   27% /
/dev/sda1       960M  456M  505M   48% /boot
tmpfs           174M  100K   174M   1% /run/user/1000
/dev/sr1        158M  158M   0 100% /run/media/jaysimman/CDROM
/dev/sr2        11G   11G   0 100% /run/media/jaysimman/CentOS-Stream-9-BaseOS-x86_64
/dev/sr0        8.2G   8.2G   0 100% /run/media/jaysimman/CentOS-Stream-9-BaseOS-x86_641
```

b. `ls -ld /dev/sr0`

```
[jaysimman@server ~]$ ls -ld /dev/sr0
brw-rw----+ 1 root cdrom 11, 0 Nov  6 16:53 /dev/sr0
```

c. `ls -ld /dev/cdrom`

```
[jaysimman@server ~]$ ls -ld /dev/cdrom
lrwxrwxrwx. 1 root root 3 Nov  6 16:53 /dev/cdrom -> sr0
```

4. Create a mount point for the iso. **

a. `mkdir /iso`

```
[root@server ~]# mkdir /iso
[root@server ~]#
```

5. Mount the iso **

a. `mount /dev/sr0 /iso`

```
[root@server ~]# mount /dev/sr0 /iso
mount: /iso: WARNING: source write-protected, mounted read-only.
```

6. Verify the packages files **

a. `cd /iso/AppStream/Packages` and `ls`

```
[root@server Packages]# ls
389-ds-base-2.1.1-3.el9.x86_64.rpm      langpacks-core-is-3.0-16.el9.noarch.rpm
389-ds-base-libs-2.1.1-3.el9.x86_64.rpm  langpacks-core-it-3.0-16.el9.noarch.rpm
ad2dec-0.7-4.el9.x86_64.rpm             langpacks-core-jz-3.0-16.el9.noarch.rpm
anjoohan-comfortaa-fonts-3.801-19.el9.noarch.rpm
nordvark-dns-1.0-1-40.el9.x86_64.rpm     langpacks-core-ka-3.0-16.el9.noarch.rpm
abattis-cantarell-fonts-0.301-4.el9.noarch.rpm
langpacks-core-kk-3.0-16.el9.noarch.rpm
accountsservice-0.6.55-10.el9.x86_64.rpm langpacks-core-km-3.0-16.el9.noarch.rpm
accountsservice-libs-0.6.55-10.el9.x86_64.rpm
langpacks-core-kn-3.0-16.el9.noarch.rpm
acpid-2.0.32-6.el9.x86_64.rpm             langpacks-core-ko-3.0-16.el9.noarch.rpm
adobe-mappings-cmap-20171205-12.el9.noarch.rpm
langpacks-core-kx-3.0-16.el9.noarch.rpm
adobe-mappings-cmap-deprecated-20171205-12.el9.noarch.rpm
langpacks-core-lt-3.0-16.el9.noarch.rpm
adobe-mappings-pdf-20180407-10.el9.noarch.rpm
langpacks-core-lv-3.0-16.el9.noarch.rpm
adobe-source-code-pro-fonts-2.030.1.050-12.el9.1.noarch.rpm
langpacks-core-ma-3.0-16.el9.noarch.rpm
adwaita-cursor-theme-40.1-1-3.el9.noarch.rpm
langpacks-core-mb-3.0-16.el9.noarch.rpm
adwaita-gtk2-theme-3.28-14.el9.x86_64.rpm
langpacks-core-mk-3.0-16.el9.noarch.rpm
adwaita-gtk2-theme-3.28-14.el9.x86_64.rpm
langpacks-core-mn-3.0-16.el9.noarch.rpm
adwaita-icon-theme-40.1-1-3.el9.noarch.rpm
langpacks-core-ms-3.0-16.el9.noarch.rpm
adwaita-qt5-1.4-1-1.el9.x86_64.rpm       langpacks-core-my-3.0-16.el9.noarch.rpm
adwaita-qt5-1.4-1-1.el9.x86_64.rpm       langpacks-core-nb-3.0-16.el9.noarch.rpm
afterburn-5.2.0-2.el9.x86_64.rpm         langpacks-core-ne-3.0-16.el9.noarch.rpm
afterburn-dracut-5.2.0-2.el9.x86_64.rpm   langpacks-core-nt-3.0-16.el9.noarch.rpm
aide-0.16-100.el9.x86_64.rpm             langpacks-core-nm-3.0-16.el9.noarch.rpm
alsa-firmware-1.2.4-6.el9.noarch.rpm      langpacks-core-nr-3.0-16.el9.noarch.rpm
alsa-lib-1.2.7-2-1.el9.x86_64.rpm        langpacks-core-nso-3.0-16.el9.noarch.rpm
alsa-lib-devel-1.2.7-2-1.el9.x86_64.rpm  langpacks-core-or-3.0-16.el9.noarch.rpm
alsa-lib-devel-1.2.7-2-1.el9.x86_64.rpm  langpacks-core-pa-3.0-16.el9.noarch.rpm
alsa-plugins-arcamv-1.2.7-1-1.el9.x86_64.rpm
langpacks-core-pt-3.0-16.el9.noarch.rpm
alsa-plugins-arcamv-1.2.7-1-1.el9.x86_64.rpm
langpacks-core-pt-88-3.0-16.el9.noarch.rpm
alsa-plugins-maemo-1.2.7-1-1.el9.x86_64.rpm
langpacks-core-ro-3.0-16.el9.noarch.rpm
alsa-plugins-maemo-1.2.7-1-1.el9.x86_64.rpm
langpacks-core-ru-3.0-16.el9.noarch.rpm
alsa-plugins-sonic-1.2.7-1-1.el9.x86_64.rpm
langpacks-core-si-3.0-16.el9.noarch.rpm
alsa-plugins-oss-1.2.7-1-1.el9.x86_64.rpm
langpacks-core-sl-3.0-16.el9.noarch.rpm
alsa-plugins-oss-1.2.7-1-1.el9.x86_64.rpm
langpacks-core-sq-3.0-16.el9.noarch.rpm
alsa-plugins-pulseaudio-1.2.7-1-1.el9.x86_64.rpm
langpacks-core-sr-3.0-16.el9.noarch.rpm
alsa-plugins-pulseaudio-1.2.7-1-1.el9.x86_64.rpm
langpacks-core-ss-3.0-16.el9.noarch.rpm
alsa-plugins-samplerate-1.2.7-1-1.el9.x86_64.rpm
langpacks-core-sv-3.0-16.el9.noarch.rpm
alsa-plugins-samplerate-1.2.7-1-1.el9.x86_64.rpm
langpacks-core-ta-3.0-16.el9.noarch.rpm
alsa-plugins-speex-1.2.7-1-1.el9.x86_64.rpm
langpacks-core-te-3.0-16.el9.noarch.rpm
alsa-plugins-speex-1.2.7-1-1.el9.x86_64.rpm
langpacks-core-th-3.0-16.el9.noarch.rpm
alsa-plugins-upmix-1.2.7-1-1.el9.x86_64.rpm
langpacks-core-tn-3.0-16.el9.noarch.rpm
alsa-plugins-upmix-1.2.7-1-1.el9.x86_64.rpm
langpacks-core-tr-3.0-16.el9.noarch.rpm
alsa-plugins-usbstream-1.2.7-1-1.el9.x86_64.rpm
langpacks-core-tt-3.0-16.el9.noarch.rpm
perl-File-Compare-1.100.680-479.el9.noarch.rpm
perl-File-Copy-2.34-479.el9.noarch.rpm
perl-File-DosGlob-1.12-479.el9.x86_64.rpm
perl-File-Fetch-1.00-4.el9.noarch.rpm
perl-File-Find-1.37-479.el9.noarch.rpm
perl-FileHandle-2.03-479.el9.noarch.rpm
perl-File-Homedir-1.806-4.el9.noarch.rpm
perl-File-Listing-6.14-4.el9.noarch.rpm
perl-File-Path-2.15-4.el9.noarch.rpm
perl-File-Pushd-1.016-12.el9.noarch.rpm
perl-File-ShareDir-1.118-4.el9.noarch.rpm
perl-File-Slurp-9999.32-5.el9.noarch.rpm
perl-File-Stat-1.09-479.el9.noarch.rpm
perl-File-Temp-0.231.100-4.el9.noarch.rpm
perl-FileTest-1.03-479.el9.noarch.rpm
perl-File-Which-1.23-10.el9.noarch.rpm
perl-Filter-1.60-4.el9.x86_64.rpm
perl-Filter-Simple-0.96-460.el9.noarch.rpm
perl-FindBin-1.51-479.el9.noarch.rpm
perl-FindFile-1.18-479.el9.x86_64.rpm
perl-generators-1.11-12.el9.noarch.rpm
perl-Getopt-Long-2.52-4.el9.noarch.rpm
perl-Getopt-Std-1.12-479.el9.noarch.rpm
perl-Git-2.31.1-2.el9.2.noarch.rpm
perl-Git-SVN-2.31.1-2.el9.2.noarch.rpm
perl-HTTP-Common-6.19-4.el9.noarch.rpm
perl-Hash-Util-0.23-479.el9.x86_64.rpm
perl-Hash-Util-FieldHash-1.20-479.el9.x86_64.rpm
perl-hivex-1.3.21-3.el9.x86_64.rpm
perl-HTML-Parser-3.76-3.el9.x86_64.rpm
perl-HTML-Tagset-3.20-47.el9.noarch.rpm
perl-HTTP-Common-6.19-4.el9.noarch.rpm
perl-HTTP-Date-6.05-7.el9.noarch.rpm
perl-HTTP-Messages-6.29-3.el9.noarch.rpm
perl-HTTP-Negotiate-6.01-30.el9.noarch.rpm
perl-HTTP-Tiny-0.076-460.el9.noarch.rpm
perl-I18N-Collate-1.02-479.el9.noarch.rpm
perl-I18N-Langinfo-0.29-479.el9.x86_64.rpm
perl-I18N-LangTags-0.44-479.el9.noarch.rpm
perl-if-0.60.800-479.el9.noarch.rpm
perl-Importer-0.026-4.el9.noarch.rpm
perl-inc-Latest-0.500-20.el9.noarch.rpm
perl-Interpreter-0.32-1-479.el9.x86_64.rpm
```

b. cd /iso/BaseOS/Packages and ls

```
[root@server Packages]# cd /iso/BaseOS/Packages/
[root@server Packages]# ls
accl-config-3.4.6-3-1.el9.x86_64.rpm      gnupg2-2.3.3-1.el9.x86_64.rpm          lksctp-tools-1.0.19-2.el9.x86_64.rpm
accl-config-libs-3.4.6-3-1.el9.x86_64.rpm gnutls-3.7.6-4.el9.x86_64.rpm          lksctp-tools-1.0.19-2.el9.x86_64.rpm
accl-config-libs-3.4.6-3-1.el9.x86_64.rpm gnutls-3.7.6-4.el9.x86_64.rpm          lldpad-1.1.0-4.git85e5883.el9.x86_64.rpm
accl-2.3.1-3.el9.x86_64.rpm                gobject-introspection-1.68.0-10.el9.x86_64.rpm
acpica-tools-20210604-3.el9.x86_64.rpm    gpvme-1.15-1-6.el9.x86_64.rpm          lldb-libs-0.9.20-3.el9.x86_64.rpm
adcli-0.9-1-7.el9.x86_64.rpm               gpvme-1.15-1-6.el9.x86_64.rpm          lldb-libs-0.9.20-3.el9.x86_64.rpm
alternatives-1.20-2.el9.x86_64.rpm         graphite2-1.3.14-9.el9.x86_64.rpm      lockdev-1.0.4-0.37.20111007git.el9.x86_64.rpm
at-3.1.23-11.el9.x86_64.rpm                graphite2-1.3.14-9.el9.x86_64.rpm      lockdev-1.0.4-0.37.20111007git.el9.x86_64.rpm
atlas-3.10-3-17.el9.x86_64.rpm             grep-3.6-5.el9.x86_64.rpm              logrotate-3.18-0-7.el9.x86_64.rpm
atlas-3.10-3-17.el9.x86_64.rpm             groff-base-1.22.4-10.el9.x86_64.rpm    lrzsz-0.12.20-55.el9.x86_64.rpm
atrun-2.3.1-2-10.el9.x86_64.rpm            grub2-common-2.06-38.el9.noarch.rpm    lshw-8.02.19-2-9.el9.x86_64.rpm
audispd-plugins-3.0.7-103.el9.x86_64.rpm  grub2-efi-x86-modules-2.06-38.el9.x86_64.rpm
audispd-plugins-zos-3.0.7-103.el9.x86_64.rpm
lvm2-2.03.16-3.el9.x86_64.rpm
audit-3.0.7-103.el9.x86_64.rpm             grub2-efi-x86-modules-2.06-38.el9.x86_64.rpm
audit-libs-3.0.7-103.el9.x86_64.rpm        grub2-pc-2.06-38.el9.x86_64.rpm        lvm2-2.03.16-3.el9.x86_64.rpm
audit-libs-3.0.7-103.el9.x86_64.rpm        grub2-pc-modules-2.06-38.el9.noarch.rpm
authselect-1.2.5-1.el9.x86_64.rpm           grub2-tools-2.06-38.el9.x86_64.rpm     lvm2-libs-2.03.16-3.el9.x86_64.rpm
authselect-libs-1.2.5-1.el9.x86_64.rpm     grub2-tools-efi-2.06-38.el9.x86_64.rpm
authselect-libs-1.2.5-1.el9.x86_64.rpm     grub2-tools-extra-2.06-38.el9.x86_64.rpm
autofs-5.1.7-31.el9.x86_64.rpm             grub2-tools-minimal-2.06-38.el9.x86_64.rpm
avahi-0.8-12.el9.x86_64.rpm                grubby-8.40-59.el9.x86_64.rpm          lzo-2.10-7.el9.x86_64.rpm
avahi-0.8-12.el9.x86_64.rpm                gsettings-desktop-schemas-40.0-4.el9.x86_64.rpm
avahi-libs-0.8-12.el9.x86_64.rpm           gssproxy-0.8.4-4.el9.x86_64.rpm        lzo-2.10-7.el9.x86_64.rpm
avahi-libs-0.8-12.el9.x86_64.rpm           gzip-1.12-1-10.el9.x86_64.rpm          lzo-2.10-7.el9.x86_64.rpm
basesystem-11-13.el9.noarch.rpm            harfbuzz-2.7.4-8.el9.x86_64.rpm        lzo-2.10-7.el9.x86_64.rpm
bash-5.1.8-4.el9.x86_64.rpm                harfbuzz-2.7.4-8.el9.x86_64.rpm        lzo-2.10-7.el9.x86_64.rpm
bash-completion-2.11-4.el9.noarch.rpm      hdparm-9.02-2.el9.x86_64.rpm           lzop-1.04-8.el9.x86_64.rpm
bc-5.07-2-14.el9.x86_64.rpm                hostname-3.23-6.el9.x86_64.rpm         mailcap-2.1.49-5.el9.noarch.rpm
binutils-2.35-2-24.el9.x86_64.rpm          hddm-0.348-9.4.el9.noarch.rpm          make-4.3-7.el9.x86_64.rpm
binutils-2.35-2-24.el9.x86_64.rpm          hwloc-2.4.1-5.el9.x86_64.rpm          man-db-2.9.3-6.el9.x86_64.rpm
binutils-gold-2.35-2-24.el9.x86_64.rpm     iio-0.16-1-10.el9.x86_64.rpm          man-pages-5.10-4.el9.noarch.rpm
btrfs-progs-5.11-1-10.el9.x86_64.rpm       iio-libs-0.16-1-10.el9.x86_64.rpm      mcatrans-3.4-1.el9.x86_64.rpm
btrfs-progs-libs-5.11-1-10.el9.x86_64.rpm iio-libs-0.16-1-10.el9.x86_64.rpm      mdadm-4.2-3.el9.x86_64.rpm
btrfs-progs-libs-5.11-1-10.el9.x86_64.rpm iio-libs-0.16-1-10.el9.x86_64.rpm      microcode_ctl-20220510-1.el9.noarch.rpm
```

7. Create a directory

a. mkdir /localrepo/AppStream

b. mkdir /localrepo/BaseOS

```
[root@server ~]# mkdir -p /localrepo/AppStream
[root@server ~]# mkdir -p /localrepo/BaseOS
```

8. Copy the .rpm packages from iso folder

a. cd /iso

```
[root@server ~]# cd /iso
[root@server iso]#
```

b. cp -rv AppStream/Packages /localrepo/AppStream/

```
[root@server iso]# cp -rv AppStream/Packages/ /localrepo/AppStream/
'AppStream/Packages/' -> '/localrepo/AppStream/Packages'
'AppStream/Packages/389-ds-base-2.1.1-3.el9.x86_64.rpm' -> '/localrepo/AppStream/Packages/389-ds-base-2.1.1-3.el9.x86_64.rpm'
'AppStream/Packages/389-ds-base-libs-2.1.1-3.el9.x86_64.rpm' -> '/localrepo/AppStream/Packages/389-ds-base-libs-2.1.1-3.el9.x86_64.rpm'
'AppStream/Packages/Box2D-2.4.1-7.el9.i686.rpm' -> '/localrepo/AppStream/Packages/Box2D-2.4.1-7.el9.i686.rpm'
```

c. `cp -rv BaseOS/Packages /localrepo/BaseOS/`

```
[root@server iso]# cp -rv BaseOS/Packages/ /localrepo/BaseOS/
```

9. Install `createrepo_c` package to get `createrepo_c` command.

a. `yum install createrepo_c`

```
[root@server iso]# yum install createrepo_c
createrepo_c-libs.i686 createrepo_c-libs.x86_64 createrepo_c.x86_64
[root@server iso]# yum install createrepo_c.x86_64
Last metadata expiration check: 5:56:43 ago on Wednesday 06 November 2024 11:18:52 AM.
Dependencies resolved.
=====
Package                               Architecture      Version           Repository        Size
=====
Installing:
createrepo_c                          x86_64            0.20.1-2.el9     appstream         75 k
Installing dependencies:
createrepo_c-libs                     x86_64            0.20.1-2.el9     appstream         100 k
Transaction Summary
=====
Install 2 Packages
Total download size: 175 k
Installed size: 442 k
Is this ok [y/N]: y
Downloading Packages:
(1/2): createrepo_c-0.20.1-2.el9.x86_64.rpm                29 kB/s | 75 kB    00:02
(2/2): createrepo_c-libs-0.20.1-2.el9.x86_64.rpm           38 kB/s | 100 kB   00:02
```

10. Now create the local repository using `createrepo_c` cmd

a. `createrepo_c -v /localrepo/AppStream/Packages/`

```
[root@server ~]# createrepo_c -v /localrepo/AppStream/Packages/
17:18:44: Version: 0.20.1 (Features: LegacyWeakdeps )
17:18:44: Signal handler setup
17:18:44: Thread pool ready
17:18:44: Directory walk started
```

b. `createrepo_c -v /localrepo/BaseOS/Packages/`

```
[root@server ~]# createrepo_c -v /localrepo/BaseOS/Packages/
17:24:11: Version: 0.20.1 (Features: LegacyWeakdeps )
17:24:11: Signal handler setup
17:24:11: Thread pool ready
17:24:11: Directory walk started
17:24:11: Adding pkg: /localrepo/BaseOS/Packages/ModemManager-1.18.2-3.el9.x86_64.rpm
17:24:11: Adding pkg: /localrepo/BaseOS/Packages/ModemManager-glib-1.18.2-3.el9.i686.rpm
17:24:11: Adding pkg: /localrepo/BaseOS/Packages/ModemManager-glib-1.18.2-3.el9.x86_64.rpm
17:24:11: Adding pkg: /localrepo/BaseOS/Packages/NetworkManager-1.39.12-1.el9.x86_64.rpm
17:24:11: Adding pkg: /localrepo/BaseOS/Packages/NetworkManager-adsl-1.39.12-1.el9.x86_64.rpm
17:24:11: Adding pkg: /localrepo/BaseOS/Packages/NetworkManager-bluetooth-1.39.12-1.el9.x86_64.rpm
17:24:11: Adding pkg: /localrepo/BaseOS/Packages/NetworkManager-config-server-1.39.12-1.el9.noarch.rpm
17:24:11: Adding pkg: /localrepo/BaseOS/Packages/NetworkManager-initcripts-updown-1.39.12-1.el9.noarch.rpm
17:24:11: Adding pkg: /localrepo/BaseOS/Packages/NetworkManager-libnm-1.39.12-1.el9.x86_64.rpm
17:24:11: Adding pkg: /localrepo/BaseOS/Packages/NetworkManager-libnm-1.39.12-1.el9.i686.rpm
17:24:11: Adding pkg: /localrepo/BaseOS/Packages/NetworkManager-team-1.39.12-1.el9.x86_64.rpm
17:24:11: Adding pkg: /localrepo/BaseOS/Packages/NetworkManager-tui-1.39.12-1.el9.x86_64.rpm
17:24:11: Adding pkg: /localrepo/BaseOS/Packages/NetworkManager-wifi-1.39.12-1.el9.x86_64.rpm
17:24:11: Adding pkg: /localrepo/BaseOS/Packages/NetworkManager-wwan-1.39.12-1.el9.x86_64.rpm
17:24:11: Adding pkg: /localrepo/BaseOS/Packages/accel-config-3.4.6.3-1.el9.x86_64.rpm
17:24:11: Adding pkg: /localrepo/BaseOS/Packages/accel-config-3.4.6.3-1.el9.i686.rpm
17:24:11: Adding pkg: /localrepo/BaseOS/Packages/accel-config-libs-3.4.6.3-1.el9.x86_64.rpm
17:24:11: Adding pkg: /localrepo/BaseOS/Packages/accel-config-libs-3.4.6.3-1.el9.i686.rpm
17:24:11: Adding pkg: /localrepo/BaseOS/Packages/acl-2.3.1-3.el9.x86_64.rpm
```

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

- c. save and exit

```
[root@server ~]# cat /etc/yum.repos.d/local.repo  
[Localrepo_AppStream]  
name=Localrepo_AppStream  
baseurl=file:///localrepo/AppStream/Packages  
gpgcheck=0  
enabled=1  
  
[Localrepo_BaseOS]  
name=Localrepo_BaseOS  
baseurl=file:///localrepo/BaseOS/Packages  
gpgcheck=0  
enabled=1
```

- d. make sure yum.repos.d has only local.repo file

```
[root@server yum.repos.d]# ls  
local.repo  
[root@server yum.repos.d]#
```

12.check yum repo

- a. yum repolist

```
[root@server yum.repos.d]# yum repolist  
repo id  
Localrepo_AppStream  
Localrepo_BaseOS  
[root@server yum.repos.d]#
```

repo name
Localrepo_AppStream
Localrepo_BaseOS

```
13.yum install httpd
```

```

root@server ~# yum install httpd
LocalRepo_AppStream                               5.1 MB/s | 5.9 MB   00:01
LocalRepo_BaseOS                                15 MB/s | 1.6 MB   00:00
Last metadata expiration check: 0:00:01 ago on Wednesday 06 November 2024 05:36:20 PM.
Dependencies resolved.
=====
Package                Architecture          Version                Repository              Size
=====
Installing:
httpd                  x86_64                2.4.53-6.el9           LocalRepo_AppStream     50 k
Installing dependencies:
apr                    x86_64                1.7.0-11.el9           LocalRepo_AppStream     123 k
apr-util               x86_64                1.6.1-20.el9           LocalRepo_AppStream     95 k
apr-util-bdb           x86_64                1.6.1-20.el9           LocalRepo_AppStream     14 k
centos-logos-httpd     noarch                90.4-1.el9             LocalRepo_AppStream     252 k
x86_64                 2.4.53-6.el9          LocalRepo_AppStream     1.5 M
httpd-filesystem       noarch                2.4.53-6.el9           LocalRepo_AppStream     15 k
httpd-tools            x86_64                2.4.53-6.el9           LocalRepo_AppStream     85 k
Installing weak dependencies:
apr-util-openssl       x86_64                1.6.1-20.el9           LocalRepo_AppStream     16 k
mod_http                x86_64                1.19.10-2.el9          LocalRepo_AppStream     160 k
mod_lua                 x86_64                2.4.53-6.el9           LocalRepo_AppStream     63 k
=====
Transaction Summary

```

14.yum install mysql

```
[root@server ~]# yum install mysql
Last metadata expiration check: 0:01:29 ago on Wednesday 06 November 2024 05:36:20 PM.
Dependencies resolved.
=====
Package                                Architecture      Version           Repository        Size
-----
Installing:
mysql                                  x86_64            8.0.28-1.el9     Localrepo_AppStream    2.6 M
Installing dependencies:
mariadb-connector-c-config             noarch            3.2.6-1.el9     Localrepo_AppStream    11 k
mysql-common                            x86_64            8.0.28-1.el9     Localrepo_AppStream    75 k
Transaction Summary
=====
Install 3 Packages

Total size: 2.7 M
Installed size: 59 M
Is this ok [y/N]: y
Downloading Packages:
Running transaction check
Transaction check succeeded.
Running transaction test
Transaction test succeeded.
Running transaction
Preparing :
Installing : mariadb-connector-c-config-3.2.6-1.el9.noarch          1/1
Installing : mysql-common-8.0.28-1.el9.x86_64                    1/3
Installing : mysql-8.0.28-1.el9.x86_64                           2/3
Running scriptlet: mysql-8.0.28-1.el9.x86_64                      3/3
Verifying : mariadb-connector-c-config-3.2.6-1.el9.noarch         3/3
Verifying : mysql-8.0.28-1.el9.x86_64                             1/3
Verifying : mysql-common-8.0.28-1.el9.x86_64                     2/3
Installed:
mariadb-connector-c-config-3.2.6-1.el9.noarch                mysql-8.0.28-1.el9.x86_64                mysql-common-8.0.28-1.el9.x86_64

Complete!
```

15.yum install nfs-utils

```

[root@server ~]# yum install nfs-utils
Last metadata expiration check: 0:02:41 ago on Wednesday 06 November 2024 05:36:20 PM.
Dependencies resolved.
=====
Package                               Architecture          Version                Repository              Size
=====
Installing:
nfs-utils                             x86_64                1:2.5.4-11.el9        Localrepo_BaseOS       449
Installing dependencies:
snmp-proxy                            x86_64                0.8.4-4.el9           Localrepo_BaseOS       110 k
libev                                 x86_64                4.33-5.el9            Localrepo_BaseOS       53 k
libnfsidmap                           x86_64                1:2.5.4-11.el9        Localrepo_BaseOS       63 k
libverto-libev                        x86_64                0.3.2-3.el9           Localrepo_BaseOS       14 k
python3                              x86_64                1:2.6-1.el9           Localrepo_BaseOS       50 k
sssd-nfs-idmap                        x86_64                2.7.3-1.el9           Localrepo_BaseOS       39 k
Downgrading:
libipa_hbac                           x86_64                2.7.3-1.el9           Localrepo_BaseOS       36 k
libipm                                x86_64                2.5.2-1.el9           Localrepo_BaseOS       187 k
libnfsclient                           x86_64                4.16.4-100.el9        Localrepo_BaseOS       76 k
libsss_certmap                        x86_64                2.7.3-1.el9           Localrepo_BaseOS       79 k
libsss_idmap                          x86_64                2.7.3-1.el9           Localrepo_BaseOS       42 k
libsss_nss_idmap                      x86_64                2.7.3-1.el9           Localrepo_BaseOS       45 k
libsss_sudo                           x86_64                2.7.3-1.el9           Localrepo_BaseOS       25 k
libwbclient                           x86_64                4.16.4-100.el9        Localrepo_BaseOS       44 k
samba-client-libs                     x86_64                4.16.4-100.el9        Localrepo_BaseOS       5.1 M
samba-common                          noarch                4.16.4-100.el9        Localrepo_BaseOS       146 k
samba-common-libs                     x86_64                4.16.4-100.el9        Localrepo_BaseOS       102 k
sssd                                  x86_64                2.7.3-1.el9           Localrepo_BaseOS       28 k
sssd-ad                               x86_64                2.7.3-1.el9           Localrepo_BaseOS       211 k
sssd-client                           x86_64                2.7.3-1.el9           Localrepo_BaseOS       156 k
sssd-common                           x86_64                2.7.3-1.el9           Localrepo_BaseOS       1.6 M
sssd-common-pac                       x86_64                2.7.3-1.el9           Localrepo_BaseOS       95 k
sssd-ipa                              x86_64                2.7.3-1.el9           Localrepo_BaseOS       275 k
sssd-kcm                              x86_64                2.7.3-1.el9           Localrepo_BaseOS       108 k
sssd-krb5                             x86_64                2.7.3-1.el9           Localrepo_BaseOS       73 k
sssd-krb5-common                      x86_64                2.7.3-1.el9           Localrepo_BaseOS       69 k
sssd-ldap                             x86_64                2.7.3-1.el9           Localrepo_BaseOS       156 k
sssd-proxy                            x86_64                2.7.3-1.el9           Localrepo_BaseOS       70 k
Transaction Summary
-----
Install      7 Packages
Downgrade   22 Packages

Total size: 9.5 M
Is this ok [y/N]:

```

****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 /localrepo/AppStream/`

c. `cp -rv BaseOS/Packages /localrepo/BaseOS/`

and complete the other step.