

Create local repository

First, mount your CentOS 7 installation DVD. For example, let us mount the installation media on /mnt directory.

- `mount /dev/cdrom /mnt/`
- `cd /mnt/Packages/`

We need a package called “createrepo” to create our local repository. So let us install it too.

If you did a minimal CentOS installation, then you might need to install the following dependencies first:

- `rpm -ivh libxml2-python-2.9.1-5.el7.x86_64.rpm`
- `rpm -ivh deltarpm-3.6-3.el7.x86_64.rpm`
- `rpm -ivh python-deltarpm-3.6-3.el7.x86_64.rpm`

Now install “createrepo” package:

- `rpm -ivh createrepo-0.9.9-23.el7.noarch.rpm`

Build Local Repository

It’s time to build our local repository. Create a storage directory to store all packages from CentOS DVD’s.

- `mkdir /tmp/localrepo`

Now, copy all the files from CentOS DVD(s)

- `cp -ar /mnt/Packages/*.* /tmp/localrepo`

Once you copied all the files, create a repository file called “localrepo.repo” under /etc/yum.repos.d/ directory and add the following lines into the file. You can name this file as per your liking:

- `vi /etc/yum.repos.d/localrepo.repo`

Add the following lines:

```
[localrepo]
name=Unixmen Repository
baseurl=file:///tmp/localrepo
```

gpgcheck=0

enabled=1

Note: Use three slashes(///) in the baseurl.

Now, start building local repository:

- createrepo -v /tmp/localrepo/

Now the repository building process will start.

Now, list out the repositories using the following command:

- yum repolist

Clean the Yum cache and update the repository lists:

- yum clean all
- yum update

After creating the repository, disable or rename the existing repositories if you only want to install packages from the local repository itself.

- yum install --disablerepo="*" --enablerepo="localrepo" httpd