**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