**CREATE A LOCAL REPOSITORY**

1. Copy the iso file into the system
2. Download and install createrepo package

Command: yum install createrepo

1. Creating a repository directory

Command: mkdir –p /repos/centos/7/Packages

1. Mount the iso file in /repos/centos/7/Packages folder

Command: Mount iso-file-path /repos/centos/7/Packages

1. Install httpd package

Command: yum install httpd

1. Make a directory centos in webserver folder i.e., /var/www/html
2. Copy packages from /repos/centos/7/Packages folder to webserver folder.

cp -ar /repos/centos/7/Packages/\* /var/www/html/centos

1. Now you can unmount the iso file from the directory

Command: umount /repos/centos/7/Packages

1. Initialize the repository we created

Command: createrepo /var/www/html/centos

Updating the repository

Command: createrepo --update /var/www/html/centos

**PUBLISHING A REPOSITORY-OVER HTTP USING APACHE**

As we already installed the apache web server(httpd) follow the below command.

1. sudo yum clean all

2. sudo yum –y update

Allow httpd through firewall

1. sudo firewall-cmd --permanent --add-port=80/tcp

2. sudo firewall-cmd --permanent --add-port=443/tcp

3. systemctl restart firewalld

Configure httpd to start on boot

1. systemctl start httpd
2. systemctl enable httpd

**CONFIGURING ON CLIENT MACHINE**

Navigate to repository file location

Cd /etc/yum.repos.d

Create a configuration file local.repo

Vi local.repo

[mylocalrepo]

Name=localcentosrepo

baseurl=http://ip-address-of-the-server-computer/centos

gpgcheck=0

enabled=1