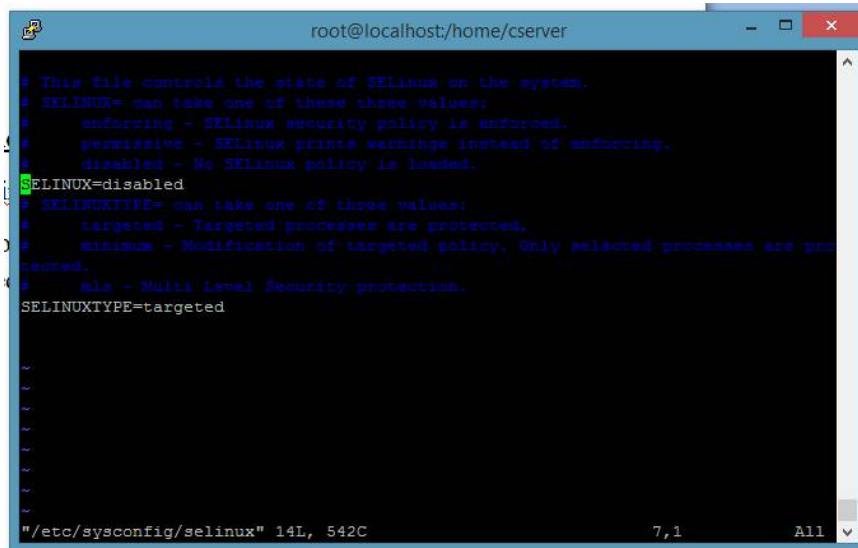


## Install and Configure local yum server on centos7

### Step1: Disable SELinux

Edit the configuration file and change “SELINUX=enforcing” to “SELINUX=disabled”

```
vim /etc/sysconfig/selinux
```

A screenshot of a terminal window titled 'root@localhost:/home/cserver'. The terminal shows the contents of the file '/etc/sysconfig/selinux' being edited in vim. The file content is as follows:

```
# This file controls the state of SELinux on the system.
# SELINUX* can take one of these three values:
#   enforcing - SELinux security policy is enforced.
#   permissive - SELinux prints warnings instead of enforcing.
#   disabled - No SELinux policy is loaded.
SELINUX=disabled
# SELINUXTYPE* can take one of three values:
#   targeted - Targeted processes are protected.
#   minimum - Modification of targeted policy. Only selected processes are protected.
#   mls - Multi Level Security protection.
SELINUXTYPE=targeted
```

The status bar at the bottom of the vim window shows the file path, line and column numbers, and the encoding: `"/etc/sysconfig/selinux" 14L, 542C` `7,1` `All`.

Stop firewall and disable on system boot

```
systemctl stop firewalld
```

```
disable firewalld
```

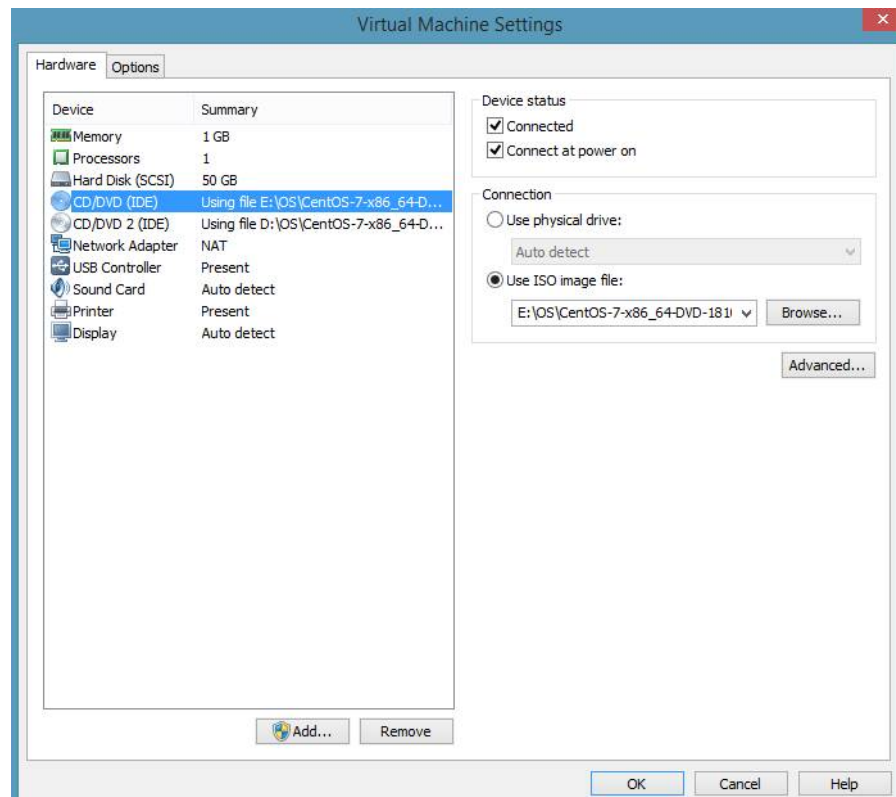
```
systemctl disable firewalld
```

Now reboot the system

```
Reboot
```

### Step2: Mount centos media

Add iso file to virtual Machine



Check the added file using df -h command

```
root@localhost:/home/cserver
[root@localhost cserver]# df -h
Filesystem      Size  Used Avail Use% Mounted on
devtmpfs        470M   0    470M   0% /dev
tmpfs           487M   0    487M   0% /dev/shm
tmpfs           487M  8.6M   478M   2% /run
tmpfs           487M   0    487M   0% /sys/fs/cgroup
/dev/mapper/centos-root 47G   5.4G   42G  12% /
/dev/sda1       1014M  206M   809M  21% /boot
tmpfs           98M    36K   98M   1% /run/user/1000
/dev/sr0        4.3G   4.3G   0 100% /run/media/cserver/CentOS 7 x86_64
[root@localhost cserver]#
```

As shown above image iso file added in /dev/sro

Create a directory

```
mkdir /localrepo
```

mount iso file into the localrepo directory

```
mount -o loop /dev/sr0 /localrepo
```

### Step3: Configure the local repository

```
cd /etc
```

copy yum.repos.d directory for backup

```
cp -r yum.repos.d yum.repos.d-bak
```

Delete all online repository files

```
rm -rf yum.repos.d/*
```

Create local repository file

```
vim /etc/yum.repos.d/local.repo
```

add the following lines

```
[centos7]
name=centos7
baseurl=file:///localrepo/
enabled=1
gpgcheck=0
```

Centos7 – Name of the section

Name = name of the repository

Enabled = Enable repository

Gpgcheck=Enable secure installation

Note: gpgcheck check is optional (if you set gpgcheck=1 you need to mention gpgkey)



```
root@localhost:/home/cserver
[root@localhost cserver]# yum clean all
Loaded plugins: fastestmirror, langpacks
Cleaning repos: centos7
Cleaning up list of fastest mirrors
Other repos take up 143 M of disk space (use --verbose for details)
[root@localhost cserver]#
```

## List Repository

```
yum repolist all
```

```
root@localhost:/home/cserver
[root@localhost cserver]# yum repolist all
Loaded plugins: fastestmirror, langpacks
Determining fastest mirrors
centos7 | 2.9 kB 00:00
centos7/primary_db | 1.1 kB 00:00
repo id repo name status
centos7 centos7 enabled: 0
repolist: 0
[root@localhost cserver]#
```

## Step4: Test Local Repository

Now you can run update command and check if you update working or not using yum update command.