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CDH – LINUX OS CONFIGURATION

By www.HadoopExam.com

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Step 1: Disable SELinux. Open files (/etc/selinux/config)

```
vi /etc/selinux/config
```

```
# 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=enforcing
# SELINUXTYPE= can take one of three two values:
#   targeted - Targeted processes are protected,
#   minimum - Modification of targeted policy. Only selected processes are protected.
#   mls - Multi Level Security protection.
SELINUXTYPE=targeted
```

Now change value as below

```
SELINUX=disabled
```

```
# 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=enforcing
SELINUX=disabled|
# SELINUXTYPE= can take one of three two values:
#   targeted - Targeted processes are protected,
#   minimum - Modification of targeted policy. Only selected processes are protected.
#   mls - Multi Level Security protection.
SELINUXTYPE=targeted
```

Step 2: Change the name from localhost to hemain and hemain.hadoopexam.com

Add the following ip address and host name in /etc/hosts file

```
echo '192.168.239.101      hemain' >> /etc/hosts
echo '192.168.239.101      hemain.hadoopexam.com' >> /etc/hosts
```

Now restart the VM, and re-connecting you will see hostame as hemain

```
$ ssh root@hemain
Last login: Sat Jun 17 08:36:55 2017 from 192.168.182.1
[root@hemain ~]# |
```

Step 3: Also change the hostname in network file as below.

```
echo 'HOSTNAME=hemain.hadoopexam.com' >> /etc/sysconfig/network
```

Step 4: In case below entry missing

```
echo 'nameserver 192.168.239.2' >> /etc/resolv.conf
```

the +i takes care that the file won't be reset on a boot even by root.

```
sudo chattr +i /etc/resolv.conf
```

Step 5: Disable firewalls (iptables). In CentOS 7, there are firewalld introduced to manage iptables.

However, we will move back to classic mode of ip tables.

It is possible to go back to a more classic iptables setup. First, stop and mask the firewalld service:

```
systemctl stop firewalld  
systemctl mask firewalld
```

Then, install the iptables-services package:

```
yum install iptables-services
```

Enable the service at boot-time:

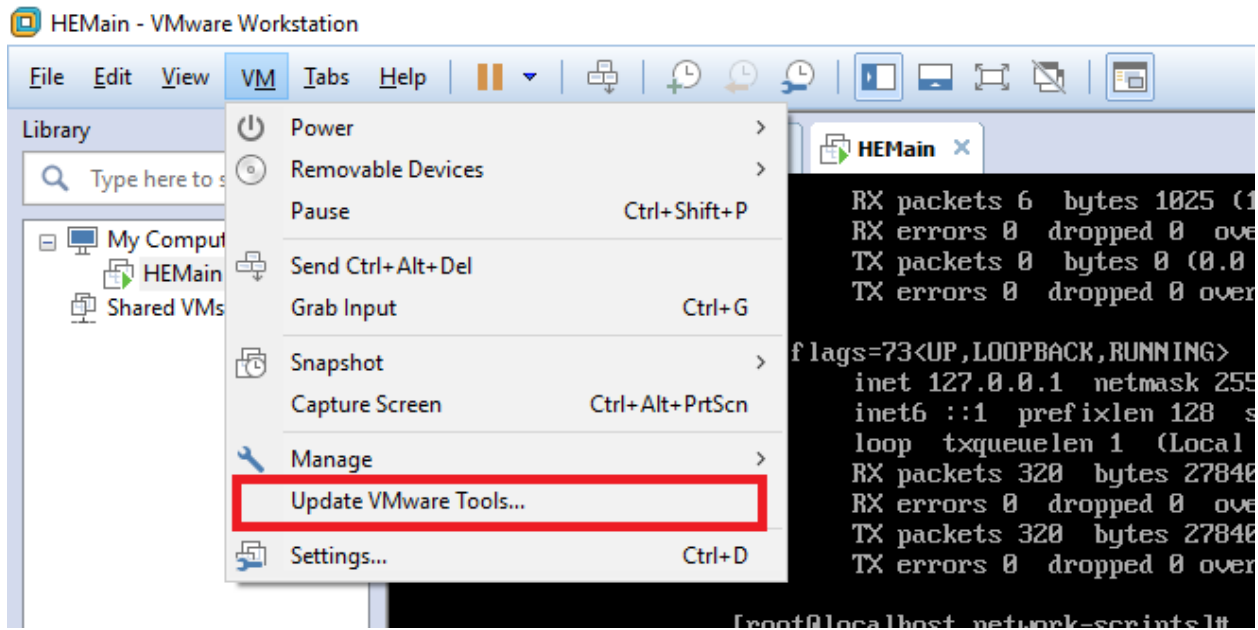
```
systemctl enable iptables
```

Disable the iptables

```
systemctl disable iptables
```

Installing/Updating VMWare tools

Step 6: Update VMWare tools (It require perl to be installed)



Step 6: Now we have to Update VMWare Tools.

In case you find any issue follow below link

<http://pubs.vmware.com/workstation-12/index.jsp?lang=en&topic=/com.vmware.ws.using.doc/GUID-08BB9465-D40A-4E16-9E15-8C016CC8166F.html>

- Create Mount Point Directory

```
mkdir /mnt/cdrom
```

- Mount the CD-ROM drive.

```
mount /dev/cdrom /mnt/cdrom
```

- Change to a working directory, for example, /tmp.

```
cd /tmp
```

- List the contents of the mount point directory and note the filename of the VMware Tools tar installer.

```
ls /mnt/cdrom
```

```
drwx-----. 3 root root 17 Jun 16 13:34 systemd-private-4db19e0f1948472a9db243c
ervice-xBMjbf
[root@localhost tmp]# ls mount-point
ls: cannot access mount-point: No such file or directory
[root@localhost tmp]# ls /mnt/cdrom
manifest.txt      VMwareTools-10.1.6-5214329.tar.gz  vmware-tools-upgrader-64
run_upgrader.sh  vmware-tools-upgrader-32
[root@localhost tmp]#
[root@localhost tmp]# bash
[root@localhost tmp]#
[root@localhost tmp]#
```

- Uncompress the installer.

```
tar xzpf /mnt/cdrom/VMwareTools-10.1.6-5214329.tar.gz
```

- Now unmount cdrom

```
umount /dev/cdrom
```

- Now go to directory

```
cd /tmp/vmware-tools-distrib
```

- Now run the installer (It will install all the default dependencies). It will take few minutes.

```
./vmware-install.pl -d
```

- Now re-start the VM (Write below command in workstation console)

```
init 6
```

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