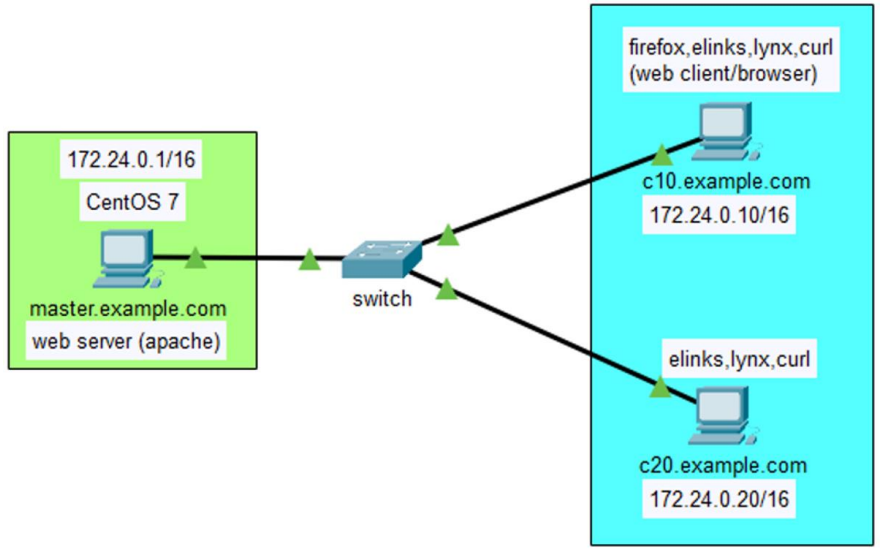
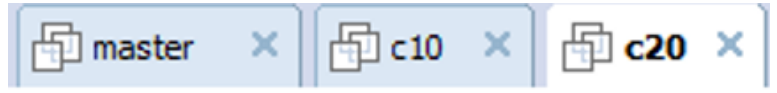


System Setup – C20

(Configuration Settings)



Vipin Gupta
BE,RHCE,CEH,CCNA,MCSE,MCSA
vipin2411@gmail.com
Mobile: 93563-10379
www.linuxexpert.in

Check & Set Hostname

```
[root@localhost ~]# hostname
localhost.localdomain
[root@localhost ~]#
[root@localhost ~]# dnsdomainname
[root@localhost ~]#
[root@localhost ~]# hostnamectl set-hostname c20.example.com
[root@localhost ~]#
[root@localhost ~]# logout
```

Check Hostname, Domain Name & Hosts File

```
CentOS Linux 7 (Core)
Kernel 3.10.0-1160.6.1.el7.x86_64 on an x86_64

c20 login: root
Password:
Last login: Fri Jan  8 08:46:56 on tty1
[root@c20 ~]#
[root@c20 ~]# hostname
c20.example.com
[root@c20 ~]#
[root@c20 ~]# dnsdomainname
example.com
[root@c20 ~]#
[root@c20 ~]# cat /etc/hosts
127.0.0.1   localhost localhost.localdomain localhost4 localhost4.localdomain4
::1         localhost localhost.localdomain localhost6 localhost6.localdomain6
[root@c20 ~]#
```

Disable Firewalld & NetworkManager

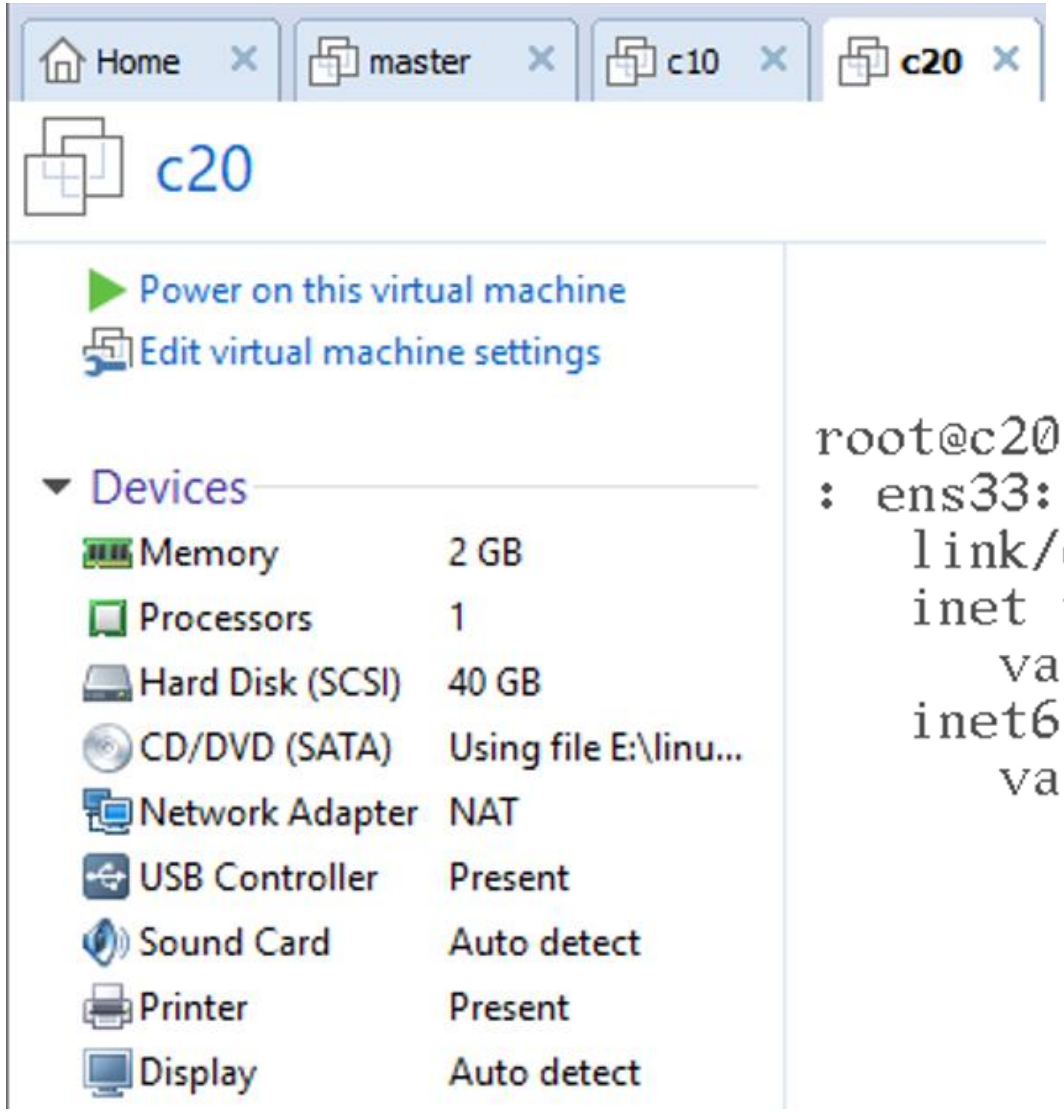
```
root@c20 ~]# systemctl disable firewalld
root@c20 ~]#
root@c20 ~]# systemctl disable NetworkManager
root@c20 ~]#
```

```
[root@c20 ~]# iptables -F
[root@c20 ~]#
[root@c20 ~]# yum -q install iptables-services
Package iptables-services-1.4.21-35.el7.x86_64 already installed and latest
[root@c20 ~]#
[root@c20 ~]# iptables -F
[root@c20 ~]#
[root@c20 ~]# service iptables save
iptables: Saving firewall rules to /etc/sysconfig/iptables:[  OK  ]
[root@c20 ~]#
[root@c20 ~]# iptables -L
Chain INPUT (policy ACCEPT)
target     prot opt source               destination

Chain FORWARD (policy ACCEPT)
target     prot opt source               destination

Chain OUTPUT (policy ACCEPT)
target     prot opt source               destination
[root@c20 ~]#
```

Change Selinux Policy From Enforcing To Disabled

```
[root@c20 ~]# sestatus
SELinux status:                 disabled
[root@c20 ~]#
[root@c20 ~]# cat /etc/sysconfig/selinux

# 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 pr
#     mls - Multi Level Security protection.
SELINUXTYPE=targeted
[root@c20 ~]#
```

Initial Network Adapter Settings, Dynamic IP




```
root@c20 ~]# ip a s ens33
: ens33: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 q
    link/ether 00:0c:29:4b:30:d8 brd ff:ff:ff:ff:ff:ff
    inet 192.168.142.138/24 brd 192.168.142.255 scope
       valid_lft 1416sec preferred_lft 1416sec
    inet6 fe80::20c:29ff:fe4b:30d8/64 scope link
       valid_lft forever preferred_lft forever
```

Initial Settings of “ifcfg-ens33” File

```
[root@c20 ~]# cat /etc/sysconfig/network-scripts/ifcfg-ens33
TYPE="Ethernet"
PROXY_METHOD="none"
BROWSER_ONLY="no"
BOOTPROTO="dhcp"
DEFROUTE="yes"
IPV4_FAILURE_FATAL="no"
IPV6INIT="yes"
IPV6_AUTOCONF="yes"
IPV6_DEFROUTE="yes"
IPV6_FAILURE_FATAL="no"
IPV6_ADDR_GEN_MODE="stable-privacy"
NAME="ens33"
DEVICE="ens33"
ONBOOT="yes"
[root@c20 ~]#
```

Install wget, elinks, git, curl and lynx Packages

```
[root@c20 ~]# yum -q install wget git elinks curl lynx
Package wget-1.14-18.el7_6.1.x86_64 already installed and latest version
Package git-1.8.3.1-23.el7_8.x86_64 already installed and latest version
Package elinks-0.12-0.37.pre6.el7.0.1.x86_64 already installed and latest version
Package curl-7.29.0-59.el7_9.1.x86_64 already installed and latest version

================================================================================
 Package                Arch              Version                   Repository        Size
================================================================================
Installing:
 lynx                   x86_64            2.8.8-0.3.dev15.el7       base             1.4 M
Installing for dependencies:
 centos-indexhtml       noarch            7-9.el7.centos            base              92 k

Transaction Summary
================================================================================
Install  1 Package (+1 Dependent package)

Is this ok [y/d/N]: y
[root@c20 ~]#
```

Install the above packages in quiet mode. Press “y” for confirmation. If already installed, you will get the appropriate message.

Install wget, elinks, git, curl and lynx Packages

```
[root@c20 ~]# yum -q install wget git elinks curl lynx
Package wget-1.14-18.el7_6.1.x86_64 already installed and latest version
Package git-1.8.3.1-23.el7_8.x86_64 already installed and latest version
Package elinks-0.12-0.37.pre6.el7.0.1.x86_64 already installed and latest version
Package curl-7.29.0-59.el7_9.1.x86_64 already installed and latest version
Package lynx-2.8.8-0.3.dev15.el7.x86_64 already installed and latest version
[root@c20 ~]#
[root@c20 ~]# rpm -q elinks curl lynx
elinks-0.12-0.37.pre6.el7.0.1.x86_64
curl-7.29.0-59.el7_9.1.x86_64
lynx-2.8.8-0.3.dev15.el7.x86_64
[root@c20 ~]#
[root@c20 ~]# rpm -q wget git
wget-1.14-18.el7_6.1.x86_64
git-1.8.3.1-23.el7_8.x86_64
[root@c20 ~]#
```

Install the above packages in quiet mode. If already installed, you will get the appropriate message.

Assign Static IP Address

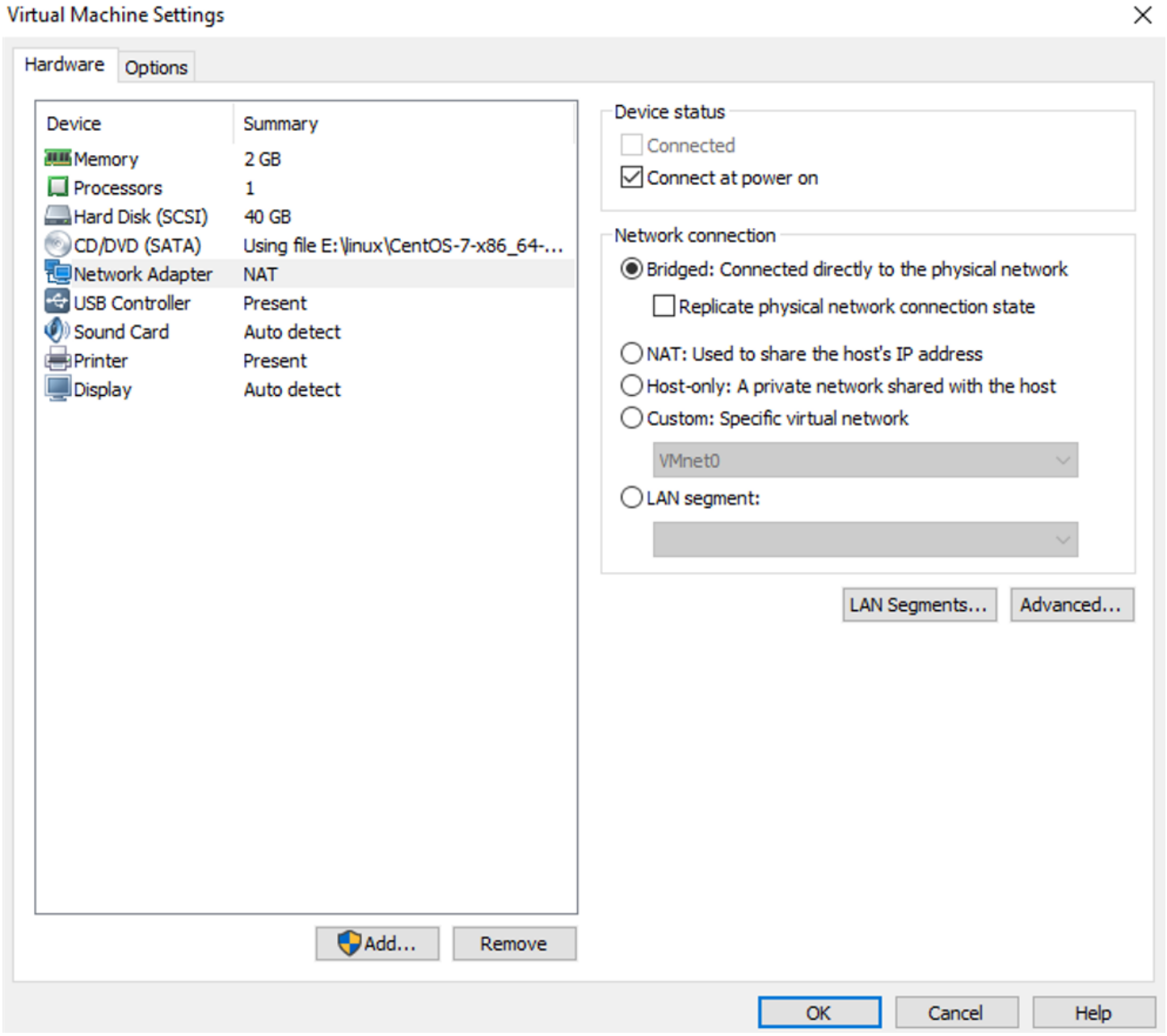
c20

```
[root@c20 ~]# cat /etc/sysconfig/network-scripts/ifcfg-ens33
TYPE="Ethernet"
PROXY_METHOD="none"
BROWSER_ONLY="no"
BOOTPROTO="static"
DEFROUTE="yes"
IPV4_FAILURE_FATAL="no"
IPV6INIT="yes"
IPV6_AUTOCONF="yes"
IPV6_DEFROUTE="yes"
IPV6_FAILURE_FATAL="no"
IPV6_ADDR_GEN_MODE="stable-privacy"
NAME="ens33"
DEVICE="ens33"
ONBOOT="yes"
IPADDR=172.24.0.20
NETMASK=255.255.0.0
[root@c20 ~]#
[root@c20 ~]#
[root@c20 ~]# poweroff
```

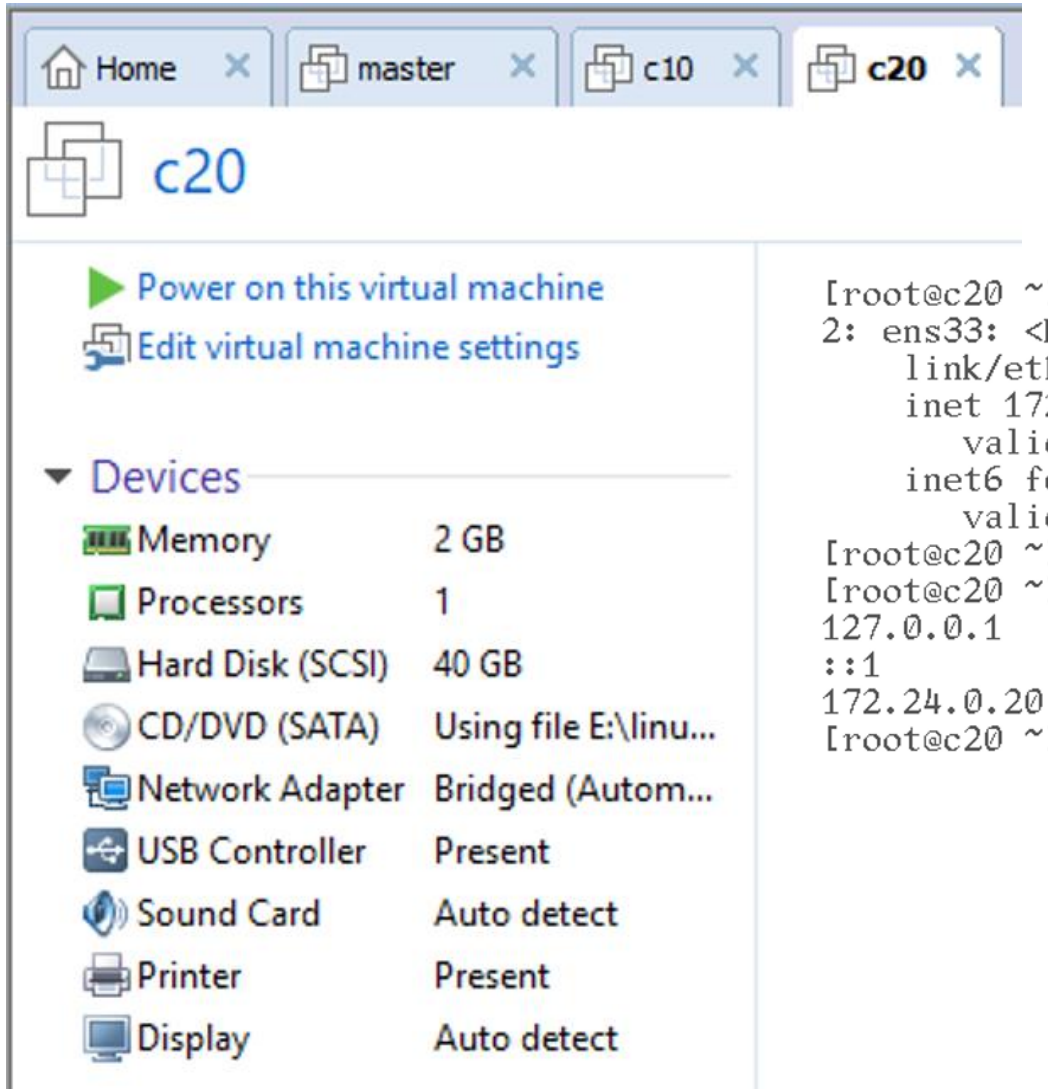
Assign static IP Address to the system by making appropriate changes in “ifcfg-ens33” file.

Change Network Adapter Setting From “NAT” To “Bridged”

Change network adapter setting from “NAT” to “Bridged”.



Check Network Adapter Setting, Static IP & Hosts File




```
[root@c20 ~]# ip a s ens33
2: ens33: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast state UP
    link/ether 00:0c:29:4b:30:d8 brd ff:ff:ff:ff:ff:ff
    inet 172.24.0.20/16 brd 172.24.255.255 scope global ens33
       valid_lft forever preferred_lft forever
    inet6 fe80::20c:29ff:fe4b:30d8/64 scope link
       valid_lft forever preferred_lft forever
[root@c20 ~]#
[root@c20 ~]# cat /etc/hosts
127.0.0.1   localhost localhost.localdomain localhost4 localhost4.localdomain4
::1         localhost localhost.localdomain localhost6 localhost6.localdomain6
172.24.0.20 c20.example.com c20
[root@c20 ~]#
```