

# CentOS 7

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## Post Install tuning for CentOS 7 in VirtualBOX

### VirtualBox Linux additions

#### VirtualBox Linux Additions

```
mount /dev/cdrom /mnt/
./VBoxLinuxAdditions.run
umount /mnt
```

### CentOS console resolution

#### /etc/default/grub

```
vi /etc/default/grub
GRUB_CMDLINE_LINUX=".. quiet vga=792"
GRUB_DISABLE_RECOVERY="true"
GRUB_GFXMODE=1024x768x32
GRUB_GFXPAYLOAD_LINUX=keep
grub2-mkconfig -o /boot/grub2/grub.cfg
```

### Adding dates to bash history by adding next strings to /etc/bashrc

#### /etc/bashrc

```
HISTTIMEFORMAT="%Y-%m-%d %T "
HISTSIZE=20000
HISTCONTROL=ignoredups:erasedups
shopt -s histappend
```

## configure network

#### nmtui

```
nmtui
```

## Network Manager TUI

Edit connection

Profile name LAN \_\_\_\_\_  
Device 08:00:27:B1:B6:15 (eth0) \_\_\_\_\_

ETHERNET <Show>

IPv4 CONFIGURATION <Manual> <Hide>

Addresses 10.9.8.244/24 \_\_\_\_\_ <Remove>  
<Add...>

Gateway \_\_\_\_\_

DNS servers <Add...>

Search domains <Add...>

Routing (No custom routes) <Edit...>

[ ] Never use this network for default route

[X] Require IPv4 addressing for this connection

IPv6 CONFIGURATION <Ignore> <Show>

[X] Automatically connect

[X] Available to all users

<Cancel> <OK>

## nmcli

```
nmcli device
nmcli connection
nmcli networking
```

## SELinux

```
setsebool httpd_can_network_connect
setsebool -P httpd_can_network_connect 1
```

## disable selinux

```
cat /etc/sysconfig/selinux
sed -i 's/SELINUX=enforcing/SELINUX=disabled/' /etc/sysconfig/selinux
sed -i 's/SELINUX=enforcing/SELINUX=disabled/' /etc/selinux/config
reboot
```

## chkconfig/services

```
systemctl list-units
systemctl enable httpd
```

```
systemctl stop httpd.service
systemctl start httpd.service
systemctl restart httpd.service
systemctl reload httpd.service
systemctl status httpd
```

## IPTables

### Permanently open Port 80/TCP

```
firewall-cmd --zone=public --add-port=80/tcp --permanent
firewall-cmd --reload
```

## Reboot by user

```
systemctl reboot -i
```

## Switch from Java 7 to Java 8

```
yum install java-1.8.0-openjdk
alternatives --config java
```

## Add host to known\_hosts

```
ssh-keyscan -H www.liutyi.info >> ~/.ssh/known_hosts
```

## Start using NFS Server

```
yum install nfs-utils
systemctl enable rpcbind
systemctl enable nfs-server
systemctl start rpcbind
systemctl start nfs-server
systemctl start rpc-statd
systemctl start nfs-idmapd
vi /etc/exports
exportfs -r
```

## Clean boot partition

```
# leave only two latest kernels
package-cleanup --oldkernels --count=2
```