

```
#!/bin/bash
```

```
serverIP=`ip -4 address | grep inet | grep -v '127.0.0.' | awk '{print $2}' | sed s'/V.*//'^`  
hostname=`hostname`
```

```
echo `date`" Starting cobbler installation and configuration for $hostname at $serverIP"
```

```
echo `date`" Install the software"
```

```
yum -y install epel-release
```

```
yum -y install cobbler fence-agents cobbler-web dnsmasq syslinux pykickstart xinetd perl emacs
```

```
echo `date`" Enabling and starting cobblerd and https"
```

```
systemctl start cobblerd ; systemctl enable cobblerd
```

```
systemctl start httpd; systemctl enable httpd
```

```
systemctl start xinetd; systemctl enable xinetd
```

```
echo `date`" Setting the selinux permission level"
```

```
setenforce 0
```

```
sed s'/SELINUX=enforcing/SELINUX=disabled/' /etc/selinux/config > /tmp/config
```

```
date=`date +%s`
```

```
mv /etc/selinux/config /etc/selinux/config.$date
```

```
mv /tmp/config /etc/selinux/config
```

```
cobbler check
```

```
status=$?
```

```
if [ $status != 0 ]; then
```

```
    echo `date`" ERROR: Initial part of installation failed. Exiting"
```

```
    exit $status
```

```
fi
```

```
echo `date`" Configure the firewall"
```

```
firewall-cmd --add-port=22/tcp --permanent
```

```
firewall-cmd --add-port=80/tcp --permanent
```

```
firewall-cmd --add-port=443/tcp --permanent
```

```
firewall-cmd --add-service=dhcp --permanent
```

```
firewall-cmd --add-port=69/tcp --permanent
```

```
firewall-cmd --add-port=69/udp --permanent
```

```
firewall-cmd --add-port=4011/udp --permanent
```

```
firewall-cmd --reload
```

```
echo `date`" Modifying /etc/cobbler/settings"
```

```
echo `date`" Generate the default password for cobbler setting"
```

```
./ModifySettings $serverIP
```

```
echo `date`" Creating /etc/cobbler/dnsmasq.template"
```

```
echo '
```

```
#-----
```

```
# Cobbler generated configuration file for dnsmasq
# $date
#
```

```
# resolve.conf .. ?
#no-poll
#enable-dbus
read-ethers
addn-hosts = /var/lib/cobbler/cobbler_hosts
```

```
dhcp-range=172.16.9.194,172.16.9.200,255.255.240.0,1h
dhcp-ignore=tag:!known
dhcp-option=66,$next_server
dhcp-lease-max=1000
dhcp-authoritative
dhcp-boot=pxelinux.0
dhcp-boot=net:normalarch,pxelinux.0
dhcp-boot=net:ia64,$elilo
```

```
$insert_cobbler_system_definitions
```

```
#-----
```

```
' >> /tmp/dnsmasq.template
```

```
time=`date +%s`
```

```
mv /etc/cobbler/dnsmasq.template /etc/cobbler/dnsmasq.template.$time
```

```
mv /tmp/dnsmasq.template /etc/cobbler/dnsmasq.template
```

```
echo `date`" You now need to edit /etc/cobbler/modules.conf and sure the following are set:"
```

```
echo '
```

```
[dns]
```

```
module = manage_dnsmasq
```

```
[dhcp]
```

```
module = manage_dnsmasq
```

```
[tftpd]
```

```
module = manage_in_tftpd
```

```
,
```

```
echo `date`" The run the following commands to restart the services and sync cobbler"
```

```
echo '
```

```
systemctl restart cobblerd
```

```
cobbler sync
systemctl restart xinetd
'
```

```
echo `date`" Then you will be ready to import an ISO into cobber"
```