#!/bin/bash

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

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 cobber"

echo '

systemctl restart cobblerd

cobbler sync

systemctl restart xinetd

'

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