**Red Hat Enterprise Linux Cevaplar - Nurgül Filis**

1. rm –fv /etc/localtime; ln –s /usr/share/zoneinfo/GMT /etc/localtime

2)dnf –y install openssh-server; systemctl enable sshd; systemctl start sshd

ssh-keygen

cd; cd .ssh; cat id\_rsa.pub >> authorized\_keys; chmod 600 authorized\_keys

ssh localhost date

3)useradd user

su – user

ssh-keygen

cd; cd .ssh; cat id\_rsa.pub >> authorized\_keys; chmod 600 authorized\_keys

ssh localhost date

4)chage –W 2 user

chage –I 1 user

chage -M 7 user

1. cat /root/id\_rsa.pub >> ~user/.ssh/authorized\_keys

PermitRootLogin prohibit-password

systemctl restart sshd

1. nano etc/sudoers

user ALL=(ALL) NOPASSWD:ALL

1. touch /etc/ssh/message

ls -IR

cp /etc/ssh/sshd\_config /etc/ssh/message

systemctl restart sshd

1. nano /etc/ssh/sshd\_config

semanage port -a -t ssh\_port\_t -p tcp 2222

systemctl restart sshd

firewall-cmd –-add-port=22222/tcp --permanent

firewall-cmd –-add-port=22222/tcp

semanage port -a -t ssh\_port\_t -p tcp 22222

systemctl restart sshd

1. Sudo groupadd devel
2. Sudo usermod –G devel user
3. id user > ~user/userids
4. Create a file named .ssh/config

Host Localhost

Port 22222

Compression yes

13) find /usr/share/man/ -type f > manpages.txt

14)for user in $(cat /etc/passwd| grep nologin|cut -d ":" -f 1)

do

echo "$user -- $(grep $user /etc/group|cut -d ":" -f 1|xargs)"

Done

1. watch -n 300 ps -u root >> /root/resources.log
2. df|awk '{print $6";"$2";"$3";"$4}'

for each in $(df|awk '{print $6";"$2";"$3";"$4}'|grep -v "Mounted")

do

    FREE=$(echo $each|cut -d ";" -f 4)

   TOTAL=$(echo $each|cut -d ";" -f 2)

  echo "$each has $((FREE\*100/TOTAL)) free"

Done

#! /root/myfreespace.sh

for each in $(df|awk '{print $6";"$2";"$3";"$4}'|grep -v "Mounted")

do

FREE=$(echo $each|cut -d ";" -f 4)

TOTAL=$(echo $each|cut -d ";" -f 2)

echo "$each has $((FREE\*100/TOTAL)) free"

Done

chmod 755 /root/myfreespace.sh

crontab -e

\*/1 \* \* \* \* /root/myfreespace.sh >> /root/freespace.log

1. nano /etc/logrorate.conf

daily

rotate 3

1. Create a /etc/logrotate.d/rotateroot

/root/freespace.log {

 xx

}

/root/resources.log {

xx

}

1. nano /etc/chrony.conf

Comment

pool pool.ntp.org iburst

systemctl restart chronyd

1. Nano etc/chrony.conf

Allow 172.22.0.1/24

systemctl restart chronyd

1. dnf –y install sysstat

cp /usr/lib/systemd/system/sysstat-collect.timer /etc/systemd/system/

nano /etc/systemd/system/sysstat-collect.timer

OnCalendar=\*:00/1

systemctl daemon-reload

1. nano /etc/login.defs >> edit PASS\_MIN\_LEN 12
2. adduser privacy

su – privacy

echo "umask 0077" >> .bashrc

1. mkdir /shared

chown root:devel /shared

chmod 777 /shared

chmod +s /shared

1. nmcli con add con-name mynic type ethernet

ifname eth0 ipv6.address

2001:db8:0:1::c000:207/64 ipv6.gateway

2001:db8:0:1::1 ipv4.address 192.0.1.3/24

ipv4.gateway 192.0.1.1

1. nslookup [www.google.com](http://www.google.com) =IPV4=172.217.17.132

nslookup [www.redhat.com](http://www.redhat.com) =IPV4=96.16.134.141

sudo nano /etc/hosts

IPFORGOOGLE google

IPFORREDHAT redhat

1. rpm  -Va > /root/altered.txt
2. Install http

dnf –y install httpd

firewall-cmd  --add-service=http --permanent

firewall-cmd  --add-service=http

systemctl start httpd

systemctl enable httpd

mkdir /mirror /var/www/html/mirror

mount /dev/cdrom /mnt

rsync –avr –progress /mnt/ /mirror/

mount –o bind /mirror /var/www/html/mirror

chcon  -R -t httpd\_sys\_content\_t /var/www/html/mirror/

find /mirror -name kernel\* -exec rm '{}' \;

dnf –y install createrepo

cd /mirror

createrepo .

Nano /etc/yum.repos.d/mymirror.repo

[mirror]

name=Nurgul RHEL Mirror

baseurl=http://localhost/mirror/

enabled=1

gpgcheck=0

exclude=glibc\*

1. su – user

crontab –e

@daily rsync  -avr –-progress –-delete root@localhost:/root/ /home/user/root/

1. dnf –y install openscap  scap-security-guide openscap-utils

oscap xccdf eval --report pci-dss-report.html --profile pci-dss /usr/share/xml/scap/ssg/content/ssg-rhel8-ds.xml

1. fdisk /dev/sdb

n <enter>

p <enter>

1 <enter>

<enter>

+15G <enter>

w <enter>

q <enter>

dnf –y install vdo kmod-kvdo

vdo create –n nurgulvdo –device /dev/sdb --force

pvcreate /dev/mapper/nurgulvdo

vgcreate nurgulvdo /dev/mapper/nurgulvdo

lvcreate –L 15G –n nurgulvol nurgulvdo

mkfs.xfs /dev/nurgulvdo/nurgulvol

rm –Rfv /mirror

umount /mnt

mount /dev/nurgulvdo/nurgulvol /mirror

Cp /mirror /var/www/html/mirror/

1. vdo growLogical --name=nurgulvdo --vdoLogicalSize=1500G
2. rsync –avr –progress /mirror/mirror/ /mirror/mytailormirror/

find /mirror/mytailormirror/ -name "k\*" -type f –exec rm '{}' \;

cd /mirror/mytailormirror/

createrepo .

1. fdisk /dev/sdb

n <enter>

p <enter>

<enter>

<enter>

w <enter>

q <enter>

pvcreate /dev/sdb2

vgextend $MYROOTVG /dev/sdb2

lvresize –L +15G /dev/rhel/root

1. grubby --args="systemd.unit=emergency.target" --update-kernel=/boot/vmlinuz-$(uname –r)
2. dnf –y install tuned

mkdir –p /etc/tuned/myprofile

Nano /etc/tuned/myprofile/tuned.conf

1. rpm –e httpd

dnf –y install podman

podman login registry.redhat.io

podman pull registry.redhat.io/rhel8/httpd-24

podman run -d --name httpd –p 80:8080 -v /var/www:/var/www:Z

registry.redhat.io/rhel8/httpd-24