Exam Questions EX200

EX200 Red Hat Certified System Administrator (RHCSA) Exam

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NEW QUESTION 1
Part 1 (on Node1 Server)
Task 6 [Accessing Linux File Systems]
Find all lines in the file /usr/share/mime/packages/freedesktop.org.xml that contain the string ich.
Put a copy of these lines in the original order in the file /root/lines.
/root/lines should contain no empty lines and all lines must be exact copies of the original lines in /usr/share/mime/packages/freedesktop.org.xml

A. Mastered
B. Not Mastered

Answer: A

Explanation:
*
[root@node1 ~]# cat /usr/share/mime/packages/freedesktop.org.xml | grep ich > /root/lines
[root@node1 ~]# cat /root/lines
<comment xml:lang="ast">Ficheru codificáu en BinHex de Machintosh</comment>
<comment xml:lang="fr">fichier codé Macintosh BinHex</comment>
<comment xml:lang="gl">ficheiro de Macintosh codificado con BinHex</comment>
<comment xml:lang="oc">fichièr encodat Macintosh BinHex</comment>
<comment xml:lang="pt">ficheiro codificado em BinHex de Macintosh</comment>
<comment xml:lang="fr">fichier boîte aux lettres</comment>

NEW QUESTION 2
Find all lines in the file /usr/share/dict/words that contain the string seismic. Put a copy of all these lines in their original order in the file /root/wordlist. /root/wordlist should contain no empty lines and all lines must be exact copies of the original lines in /usr/share/dict/words.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
grep seismic /usr/share/dict/words> /root/wordlist

NEW QUESTION 3
Part 1 (on Node1 Server)
Task 11 [Scheduling Future Tasks]
The user natasha must configure a cron job that runs daily at 14:23 local time and also the same cron job will run after every 2 minutes and executes:
/bin/echo hello

A. Mastered
B. Not Mastered

Answer: A

Explanation:
*
[root@node1 ~]# crontab -l -u natasha
no crontab for natasha
[root@node1 ~]# crontab -e -u natasha
23 14 * * * /bin/echo hello
*/2 * * * * /bin/echo 2min
crontab: installing new crontab
[root@node1 ~]# crontab -l -u natasha
23 14 * * * /bin/echo hello
*/2 * * * * /bin/echo 2min
[root@node1 ~]# systemctl status crond.service
*
For Checking
[root@node1 ~]# tail -f /var/log/cron
Mar 23 13:23:48 node1 crontab[10636]: (root) REPLACE (natasha)
Mar 23 13:23:48 node1 crontab[10636]: (root) END EDIT (natasha)
Mar 23 13:23:50 node1 crontab[10638]: (root) LIST (natasha)
Mar 23 13:24:01 node1 crond[1349]: (root) FAILED (loading cron table)
Mar 23 13:24:02 node1 CROND[10673]: (natasha) CMD (/bin/echo 2min)

NEW QUESTION 4
Add users: user2, user3.
The Additional group of the two users: user2, user3 is the admin group Password: redhat

A. Mastered
B. Not Mastered

Answer: A

Explanation:

useradd -G admin user2
useradd -G admin user3
passwd user2
redhat
passwd user3
redhat

NEW QUESTION 5
Set cronjob for user natasha to do /bin/echo hiya at 14:23.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
crontab -e -u natasha
23 14 * * * /bin/echo hiya
wq!

NEW QUESTION 6
Add admin group and set gid=600

A. Mastered
B. Not Mastered

Answer: A

Explanation:
groupadd -g 600 admin

NEW QUESTION 7
Part 1 (on Node1 Server)
Task 2 [Installing and Updating Software Packages]
Configure your system to use this location as a default repository: http://utility.domain15.example.com/BaseOS
http://utility.domain15.example.com/AppStream
Also configure your GPG key to use this location http://utility.domain15.example.com/RPM-GPG-KEY-redhat-release

A. Mastered
B. Not Mastered

Answer: A

Explanation:
* [root@node1 ~]# vim /etc/yum.repos.d/redhat.repo
[BaseOS]
name=BaseOS
baseurl=http://utility.domain15.example.com/BaseOS
enabled=1
gpgcheck=1
gpgkey=http://utility.domain15.example.com/RPM-GPG-KEY-redhat-release
[AppStream]
name=AppStream
baseurl=http://utility.domain15.example.com/AppStream
enabled=1
gpgcheck=1
gpgkey=http://utility.domain15.example.com/RPM-GPG-KEY-redhat-release
[root@node1 ~]# yum clean all
[root@node1 ~]# yum repolist
[root@node1 ~]# yum list all

NEW QUESTION 8
Create a catalog under /home named admins. Its respective group is requested to be the admin group. The group users could read and write, while other users are not allowed to access it. The files created by users from the same group should also be the admin group.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
see explanation below.
cd /home/
mkdir admins /
chown .admin admins/
chmod 770 admins/
chmod g+s admins/

NEW QUESTION 9
Configure autofs to automount the home directories of LDAP users as follows: host.domain11.example.com NFS-exports /home to your system.
This filesystem contains a pre-configured home directory for the user ldapuser11 ldapuser11's home directory is host.domain11.example.com /rhome/ldapuser11
ldapuser11's home directory should be automounted locally beneath /rhome as /rhome/ldapuser11
Home directories must be writable by their users ldapuser11's password is 'password'.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
- vim /etc/auto.master /rhome /etc/auto.misc

wq!
vim /etc/auto.misc
ldapuser11 --rw,sync host.domain11.example.com:/rhome/ldpauser11 :wq!
#service autofs restart
- service autofs reload
- chkconfig autofs on
- su -ldapuser11

Login ldapuser with home directory
exit

NEW QUESTION 10
Create the following users, groups, and group memberships: A group named adminuser.
A user natasha who belongs to adminuser as a secondary group A user harry who also belongs to adminuser as a secondary group.
A user sarah who does not have access to an interactive shell on the system, and who is not a member of adminuser, natasha, harry, and sarah should all have the password of redhat.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
- groupadd sysmgrs
- useradd -G sysmgrs Natasha
- We can verify the newly created user by cat /etc/passwd)

useradd -G sysmgrs harry
useradd -s /sbin/nologin sarrh
passwd Natasha
passwd harry
passwd sarrah

NEW QUESTION 10
Create the user named eric and deny to interactive login.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
- useradd eric
- passwd eric
- vi /etc/passwd
- eric:x:505:505::/home/eric:/sbin/nologin

Which shell or program should start at login time is specified in /etc/passwd file? By default, Redhat Enterprise Linux assigns the /bin/bash shell to the users. To deny the interactive login, you should write
/sbin/nologin or /bin/ false instead of login shell.

NEW QUESTION 13
There is a server having 172.24.254.254 and 172.25.254.254. Your System lies on 172.24.0.0/16. Make successfully ping to 172.25.254.254 by Assigning following IP: 172.24.0.x where x is your station number.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
- Use netconfig command
- Enter the IP Address as given station number by your examiner: example: 172.24.0.1
- Enter Subnet Mask
- Enter Default Gateway and primary name server

- press on ok
- ifdown eth0
- ifup eth0
- verify using ifconfig

In the lab server is playing the role of router, IP forwarding is enabled. Just set the Correct IP and gateway, you can ping to 172.25.254.254.

NEW QUESTION 16
Who ever creates the files/directories on archive group owner should be automatically should be the same group owner of archive.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

- chmod g+s /archive
- Verify using: ls -ld /archive Permission should be like:

drwxrws--- 2 root sysuser 4096 Mar 16 18:08 /archive
If SGID bit is set on directory then who every users creates the files on directory group owner automatically the owner of parent directory.
To set the SGID bit: chmod g+s directory
To Remove the SGID bit: chmod g-s directory

NEW QUESTION 20
Part 1 (on Node1 Server)
Task 14 [Managing SELinux Security]
You will configure a web server running on your system serving content using a non-standard port (82)

A. Mastered
B. Not Mastered

Answer: A

Explanation:
*
[root@node1
~]# curl http://node1.domain15.example.com
curl: (7) Failed to connect to node1.domain15.example.com port 80: Connection refused
[root@node1 ~]# yum install httpd
[root@node1 ~]# systemctl enable --now httpd
Created symlink /etc/systemd/system/multi-user.target.wants/httpd.service
/usr/lib/systemd/system/httpd.service.
[root@node1 ~]# systemctl start httpd
[root@node1 ~]# systemctl status httpd
Status: "Running, listening on: port 80"
*
[root@node1
~]# wget http://node1.domain15.example.com
2021-03-23 13:27:28 ERROR 403: Forbidden.
[root@node1 ~]# semanage port -l | grep http
http_port_t tcp 80, 81, 443, 488, 8008, 8009, 8443, 9000
[root@node1 ~]# semanage port -a -t http_port_t -p tcp 82
[root@node1 ~]# semanage port -l | grep http
http_port_t tcp 82, 80, 81, 443, 488, 8008, 8009, 8443, 9000
[root@node1 ~]# firewall-cmd --zone=public --list-all
[root@node1 ~]# firewall-cmd --permanent --zone=public --add-port=82/tcp
[root@node1 ~]# firewall-cmd --reload
[root@node1
~]# curl http://node1.domain15.example.com
OK
*
root@node1
~]# wget http://node1.domain15.example.com:82
Connection refused.
[root@node1 ~]# vim /etc/httpd/conf/httpd.conf
Listen 82
[root@node1 ~]# systemctl restart httpd
[root@node1
~]# wget http://node1.domain15.example.com:82
2021-03-23 13:31:41 ERROR 403: Forbidden.
[root@node1
~]# curl http://node1.domain15.example.com:82
OK

NEW QUESTION 23
/data Directory is shared from the server1.example.com server. Mount the shared directory that:

A. Mastered
B. Not Mastered

Answer: A

Explanation:
* 1. vi /etc/auto.master
/mnt /etc /auto.misc --timeout=50
- vi /etc/auto.misc
- data -rw,soft,intr server1.example.com:/data
- service autofs restart
- chkconfig autofs on

When you mount the other filesystem, you should unmount the mounted filesystem, Automount feature of linux helps to mount at access time and after certain seconds, when user unaccess the mounted directory, automatically unmount the filesystem.
/etc/auto.master is the master configuration file for autofs service. When you start the service, it reads the mount point as defined in /etc/auto.master.

NEW QUESTION 27
Part 2 (on Node2 Server)
Task 5 [Managing Logical Volumes]
Add an additional swap partition of 656 MiB to your system. The swap partition should automatically mount when your system boots
Do not remove or otherwise alter any existing swap partition on your system

A. Mastered
B. Not Mastered

Answer: A

Explanation:
*
[root@node2 ~]# lsblk
NAME MAJ:MIN RM SIZE RO TYPE MOUNTPOINT
vdc 252:32 0 5G 0 disk
vdc1 252:33 0 4.1G 0 part
datavg-datalv 253:3 0 3.9G 0 lvm /data
vdd 252:48 0 5G 0 disk
vde 252:64 0 10G 0 disk
[root@node2 ~]# swapon -s
Filename Type Size Used Priority
/dev/dm-1 partition 2097148 1548 -2
[root@node2 ~]# free -m
total used free shared buff/cache available
Mem: 1816 1078 104 13 633 573
Swap: 2047 1 2046
[root@node2 ~]# parted /dev/vdc print
Number Start End Size Type File system Flags
1 1049kB 4404MB 4403MB primary lvm
*
[root@node2 ~]# parted /dev/vdc mkpart primary linux-swap 4404MiB 5060MiB
[root@node2 ~]# mkswap /dev/vdc2
Setting up swapspace version 1, size = 656 MiB (687861760 bytes)
no label, UUID=9faf818f-f070-4416-82b2-21a41988a9a7
[root@node2 ~]# swapon -s
Filename Type Size Used Priority
/dev/dm-1 partition 2097148 1804 -2
[root@node2 ~]# swapon /dev/vdc2
*
[root@node2 ~]# swapon -s
Filename Type Size Used Priority
/dev/dm-1 partition 2097148 1804 -2
/dev/vdc2 partition 671740 0 -3
[root@node2 ~]# blkid
/dev/vdc2: UUID="9faf818f-f070-4416-82b2-21a41988a9a7" TYPE="swap" PARTUUID="0f22a35f-02"
[root@node2 ~]# vim /etc/fstab
UUID=9faf818f-f070-4416-82b2-21a41988a9a7 swap swap defaults 0 0
[root@node2 ~]# reboot
[root@node2 ~]# swapon -s
Filename Type Size Used Priority
/dev/dm-1 partition 2097148 1804 -2
/dev/vdc2 partition 671740 0 -3

NEW QUESTION 31
One Domain RHCE is configured in your lab, your domain server is server1.example.com. nisuser2001, nisuser2002, nisuser2003 user are created on your server 192.168.0.254:/rhome/stationx/nisuser2001. Make sure that when NIS user login in your system automatically mount the home directory. Home directory is separately shared on server /rhome/stationx/ where x is your Station number.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
- use the authconfig --nisserver=<NIS SERVER> --nisdomain=<NIS DOMAIN> -- update

Example: authconfig --niserver=192.168.0.254 --nisdomain=RHCE --update or system-config-authentication

- Click on Enable NIS
- Type the NIS Domain: RHCE
- Type Server 192.168.0.254 then click on next and ok
- You will get a ok message.
- Create a Directory /rhome/stationx where x is your station number.
- vi /etc/auto.master and write at the end of file /rhome/stationx /etc/auto.home --timeout=60
- vi /etc/auto.home and write

* -rw,soft,intr 192.168.0.254:/rhome/stationx/&
Note: please specify your station number in the place of x.

- Service autofs restart
- Login as the nisuser2001 or nisuser2002 on another terminal will be Success. According to question, RHCE domain is already configured. We have to make a client of RHCE domain and automatically mount the home directory on your system. To make a member of domain, we use the authconfig with option or system-config authentication command. There a are lots of authentication server i.e NIS, LDAB, SMB etc. NIS is a RPC related Services, no need to configure the DNS, we should specify the NIS server address.

Here Automount feature is available. When user tried to login, home directory will automatically mount. The automount service used the /etc/auto.master file. On /etc/auto.master file we specified the mount point the configuration file for mount point.

NEW QUESTION 36
Part 2 (on Node2 Server)
Task 1 [Controlling the Boot Process]
Interrupt the boot process and reset the root password. Change it to kexdrams to gain access to the system

A. Mastered
B. Not Mastered

Answer: A

Explanation:
*
* 1. Reboot the server pressing by Ctrl+Alt+Del
* 2. When the boot-loader menu appears, press the cursor keys to highlight the default boot-loader entry
* 3. Press e to edit the current entry.
* 4. Use the cursor keys to navigate to the line that starts with linux.
* 5. Press End to move the cursor to the end of the line.
* 6. Append rd.break to the end of the line.
* 7. Press Ctrl+x to boot using the modified configuration.
* 8. At the switch_root prompt
*
switch_root:/# mount -o remount,rw /sysroot
switch_root:/# chroot /sysroot
sh-4.4# echo kexdrams | passwd --stdin root
Changing password for user root.
passwd: all authentication tokens updated successfully.
sh-4.4# touch /.autorelabel
sh-4.4# exit; exit
*
Type exit twice to continue booting your system as usual.

NEW QUESTION 38
Part 1 (on Node1 Server)
Task 4 [Controlling Access to Files]
Create collaborative directory /mnt/shares with the following characteristics:
Group ownership of /mnt/shares should be sharegrp.
The directory should be readable, writable and accessible to member of sharegrp but not to any other user. (It is understood that root has access to all files and directories on the system)
Files created in /mnt/shares automatically have group ownership set to the sharegrp group.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
*
[root@node1 ~]# mkdir -p /mnt/shares
[root@node1 ~]# ls -lrt /mnt/
[root@node1 ~]# chgrp sharegrp /mnt/shares/
[root@node1 ~]# chmod 2770 /mnt/shares/
[root@node1 ~]# ls -lrt /mnt/
For Checking
[root@node1 ~]# su - harry
[harry@node1 ~]$ cd /mnt/shares/
[harry@node1 shares]$ touch harry
[harry@node1 shares]$ logout
[root@node1 ~]# su - natasha
[natasha@node1 ~]$ cd /mnt/shares/
[natasha@node1 shares]$ touch natasha

[natasha@node1 shares]$ ls -lrt
-rw-rw-r--. 1 harry sharegrp 0 Mar 21 06:03 harry
-rw-rw-r--. 1 natasha sharegrp 0 Mar 21 06:03 natasha

NEW QUESTION 39
Your System is going to use as a Router for two networks. One Network is 192.168.0.0/24 and Another Network is 192.168.1.0/24. Both network's IP address has assigned. How will you forward the packets from one network to another network?

A. Mastered
B. Not Mastered

Answer: A

Explanation:
- echo "1" >/proc/sys/net/ipv4/ip_forward
- vi /etc/sysctl.conf

net.ipv4.ip_forward = 1
If you want to use the Linux System as a Router to make communication between different networks, you need enable the IP forwarding. To enable on running session just set value 1 to
/proc/sys/net/ipv4/ip_forward. As well as automatically turn on the IP forwarding features on next boot set on /etc/sysctl.conf file.

NEW QUESTION 41
Add 3 users: harry, natasha, tom.
The requirements: The Additional group of the two users: harry, Natasha is the admin group. The user: tom's login shell should be non-interactive.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
useradd -G admin harry
useradd -G admin natasha
useradd -s /sbin/nologin tom
id harry;id Natasha
(Show additional group)
cat /etc/passwd
(Show the login shell)
OR
system-config-users

NEW QUESTION 46
Part 2 (on Node2 Server)
Task 4 [Managing Logical Volumes]
Resize the logical volume, lvrz and reduce filesystem to 4600 MiB. Make sure the the filesystem contents remain intact with mount point /datarz
(Note: partitions are seldom exactly the size requested, so anything within the range of 4200MiB to 4900MiB is acceptable)

A. Mastered
B. Not Mastered

Answer: A

Explanation:
*
[root@node2 ~]# lsblk
NAME MAJ:MIN RM SIZE RO TYPE MOUNTPOINT
vdb 252:16 0 5G 0 disk
vdb1 252:17 0 4.2G 0 part
vgrz-lvrz 253:2 0 4.1G 0 lvm /datarz
vdc 252:32 0 5G 0 disk
vdc1 252:33 0 4.4G 0 part
datavg-datalv 253:3 0 3.9G 0 lvm /data
vdd 252:48 0 5G 0 disk
vde 252:64 0 10G 0 disk
[root@node2 ~]# lvs
LV VG Attr LSize Pool Origin Data% Meta% Move Log Cpy%Sync Convert
lvrz vgrz -wi-ao---- 4.10g
[root@node2 ~]# vgs
VG #PV #LV #SN Attr VSize VFree
vgrz 1 1 0 wz--n- <4.15g 48.00m
[root@node2 ~]# parted /dev/vdb print
Number Start End Size Type File system Flags
1 1049kB 4456MB 4455MB primary lvm
*
[root@node2 ~]# df -hT
Filesystem Type Size Used Avail Use% Mounted on
/dev/mapper/vgrz-lvrz ext4 4.0G 17M 3.8G 1% /datarz
[root@node2 ~]# parted /dev/vdb mkpart primary 4456MiB 5100MiB
[root@node2 ~]# parted /dev/vdb set 2 lvm on

[root@node2 ~]# udevadm settle
[root@node2 ~]# pvcreate /dev/vdb2
Physical volume "/dev/vdb2" successfully created.
*
[root@node2 ~]# vgextend vgrz /dev/vdb2
Volume group "vgrz" successfully extended
[root@node2 ~]# lvextend -r -L 4600M /dev/vgrz/lvrz
Size of logical volume vgrz/lvrz changed from 4.10 GiB (1050 extents) to 4.49 GiB (1150 extents).
Logical volume vgrz/lvrz successfully resized.
[root@node2 ~]# resize2fs /dev/vgrz/lvrz
[root@node2 ~]# df -hT
Filesystem Type Size Used Avail Use% Mounted on
/dev/mapper/vgrz-lvrz ext4 4.4G 17M 4.2G 1% /datarz

NEW QUESTION 48
Create a logical volume
Create a new logical volume as required:
Name the logical volume as database, belongs to datastore of the volume group, size is 50 PE. Expansion size of each volume in volume group datastore is 16MB.
Use ext3 to format this new logical volume, this logical volume should automatically mount to /mnt/database

A. Mastered
B. Not Mastered

Answer: A

Explanation:
fdisk -cu /dev/vda// Create a 1G partition, modified when needed
partx –a /dev/vda
pvcreate /dev/vdax
vgcreate datastore /dev/vdax –s 16M
lvcreate– l 50 –n database datastore
mkfs.ext3 /dev/datastore/database
mkdir /mnt/database
mount /dev/datastore/database /mnt/database/ df –Th
vi /etc/fstab
/dev/datastore /database /mnt/database/ ext3 defaults 0 0 mount –a
Restart and check all the questions requirements.

NEW QUESTION 51
Configure autofs to make sure after login successfully, it has the home directory autofs, which is shared as /rhome/ldapuser40 at the ip: 172.24.40.10. and it also requires that, other ldap users can use the home directory normally.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
chkconfig autofs on
cd /etc/
vim /etc/auto.master
/rhome /etc/auto.ldap
cp auto.misc auto.ldap
vim auto.ladp
ldapuser40 -rw,soft,intr 172.24.40.10:/rhome/ldapuser40
* -rw,soft,intr 172.16.40.10:/rhome/&
# service autofs stop
# server autofs start
# showmount -e 172.24.40.10
# su - ladpuser40

NEW QUESTION 53
Part 2 (on Node2 Server)
Task 3 [Managing Logical Volumes]
Create a new volume group in the name of datavg and physical volume extent is 16 MB
Create a new logical volume in the name of datalv with the size of 250 extents and file system must xfs Then the logical volume should be mounted automatically mounted under /data at system boot time

A. Mastered
B. Not Mastered

Answer: A

Explanation:
*
[root@node2 ~]# lsblk
NAME MAJ:MIN RM SIZE RO TYPE MOUNTPOINT
vdb 252:16 0 5G 0 disk
vdb1 252:17 0 4.2G 0 part

vgrz-lvrz 253:2 0 4.1G 0 lvm /datarz
vdc 252:32 0 5G 0 disk
vdd 252:48 0 5G 0 disk
vde 252:64 0 10G 0 disk
[root@node2 ~]# parted /dev/vdc mklabel msdos
[root@node2 ~]# parted /dev/vdc mkpart primary 1MiB 4200MiB
[root@node2 ~]# parted /dev/vdc set 1 lvm on
*
[root@node2 ~]# udevadm settle
[root@node2 ~]# pvcreate /dev/vdc1
Physical volume "/dev/vdc1" successfully created.
[root@node2 ~]# vgcreate -s 16M datavg /dev/vdc1
Volume group "datavg" successfully created
[root@node2 ~]# lvcreate -n datalv -L 4000M datavg
Logical volume "datalv" created.
[root@node2 ~]# mkfs.xfs /dev/datavg/datalv
[root@node2 ~]# mkdir /data
[root@node2 ~]# blkid
/dev/mapper/datavg-datalv: UUID="7397a292-d67d-4632-941e-382e2bd922ce" BLOCK_SIZE="512"
TYPE="xfs"
*
[root@node2 ~]# vim /etc/fstab
UUID=7397a292-d67d-4632-941e-382e2bd922ce /data xfs defaults 0 0
[root@node2 ~]# mount UUID=7397a292-d67d-4632-941e-382e2bd922ce /data [
root@node2 ~]# reboot
[root@node2 ~]# df -hT
Filesystem Type Size Used Avail Use% Mounted on
/dev/mapper/datavg-datalv xfs 3.9G 61M 3.9G 2% /data

NEW QUESTION 54
You are new System Administrator and from now you are going to handle the system and your main task is Network monitoring, Backup and Restore. But you don't know the root password. Change the root password to redhat and login in default Runlevel.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
When you Boot the System, it starts on default Runlevel specified in /etc/inittab: Id:?:initdefault:
When System Successfully boot, it will ask for username and password. But you don't know the root's password. To change the root password you need to boot the system into single user mode. You can pass the kernel arguments from the boot loader.
* 1. Restart the System.
* 2. You will get the boot loader GRUB screen.
* 3. Press a and type 1 or s for single mode ro root=LABEL=/ rhgb queit s
* 4. System will boot on Single User mode.
* 5. Use passwd command to change.
* 6. Press ctrl+d

NEW QUESTION 58
The firewall must be open.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
/etc/init.d/iptables start
iptables -F
iptables -X
iptables -Z
/etc/init.d/iptables save
chkconfig iptables on

NEW QUESTION 61
Create a volume group, and set 16M as a extends. And divided a volume group containing 50 extends on volume group lv, make it as ext4 file system, and mounted automatically under /mnt/data.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
pvcreate /dev/sda7 /dev/sda8
vgcreate -s 16M vg1 /dev/sda7 /dev/sda8
lvcreate -l 50 -n lvm02
mkfs.ext4 /dev/vg1/lvm02
blkid /dev/vg1/lv1

# vim /etc/fstab
# mkdir -p /mnt/data
UUID=xxxxxxxx /mnt/data ext4 defaults 0 0
# vim /etc/fstab
# mount -a
# mount
(Verify)

NEW QUESTION 63
Part 1 (on Node1 Server)
Task 9 [Managing Files from the Command Line]
Search the string nologin in the /etc/passwd file and save the output in /root/strings

A. Mastered
B. Not Mastered

Answer: A

Explanation:
*
[root@node1 ~]# cat /etc/passwd | grep nologin > /root/strings
[root@node1 ~]# cat /root/strings
bin:x:1:1:bin:/bin:/sbin/nologin
daemon:x:2:2:daemon:/sbin:/sbin/nologin
adm:x:3:4:adm:/var/adm:/sbin/nologin
lp:x:4:7:lp:/var/spool/lpd:/sbin/nologin
mail:x:8:12:mail:/var/spool/mail:/sbin/nologin

NEW QUESTION 68
Configure
a HTTP server, which can be accessed through http://station.domain40.example.com.
Please download the released page from http://ip/dir/example.html.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
yum install -y httpd
chkconfig httpd on
cd /var/www/html
#
wget http://ip/dir/example.html
cp example.com index.html
vim /etc/httpd/conf/httpd.conf
NameVirtualHost 192.168.0.254:80
<VirtualHost 192.168.0.254:80>
DocumentRoot /var/www/html/
ServerName station.domain40.example.com
</VirtualHost>

NEW QUESTION 72
Update the kernel from ftp://instructor.example.com/pub/updates. According the following requirements:

- The updated kernel must exist as default kernel after rebooting the system.
- The original kernel still exists and is available in the system.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
rpm -ivh kernel-firm…
rpm -ivh kernel...

NEW QUESTION 76
Open kmcrl value of 5 , and can verify in /proc/ cmdline

A. Mastered
B. Not Mastered

Answer: A

Explanation:
vim /boot/grub/grub.conf
kernel/vmlinuz-2.6.32-71.el6.x86_64 ro root=/dev/mapper/GLSvg-GLSrootrd_LVM_LV=GLSvg/GLSroot
rd_LVM_LV=GLSvg/GLSswaprd_NO_LUKSrd_NO_MDrd_NO_DM

LANG=en_US.UTF-8 SYSFONT=latarcyrheb-sun16 KEYBOARDTYPE=pc KEYTABLE=us crashkernel=auto rhgb quiet kmcrl=5
Restart to take effect and verification:
cat /proc/cmdline
ro root=/dev/mapper/GLSvg-GLSroot rd_LVM_LV=GLSvg/GLSroot rd_LVM_LV=GLSvg/GLSswap rd_NO_LUKS rd_NO_MD rd_NO_DM
LANG=en_US.UTF-8 SYSFONT=latarcyrheb-sun16 KEYBOARDTYPE=pc KEYTABLE=us rhgb quiet kmcrl=5

NEW QUESTION 80
Create a user named alex, and the user id should be 1234, and the password should be alex111.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
useradd -u 1234 alex
passwd alex
alex111
alex111
OR
echo alex111|passwd -stdin alex

NEW QUESTION 85
Binding to an external validation server.
System server.domain11.example.com provides a LDAP validation service, your system should bind to this service as required:
Base DN of validation service is dc=example,dc=com
LDAP
is used for providing account information and validation information Connecting and using the certification of http://server.domain11.example.com/pub/EXAMPLE-CA-CERT to encrypt
After the correct configuration, ldapuser1 can log into your system, it does not have HOME directory until you finish autofs questions, ldapuser1 password is password.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
yum -y install sssd authconfig-gtk krb5-workstation authconfig-gtk // open the graphical interface
Modify
user account database to ldap, fill up DN and LDAP SERVER as questions required, use TLS to encrypt connections making tick, write http://server.domain11.example.com/pub/EXAMPLE-CA-CERT to download ca, authentication method choose ldap password.
You can test if the ldapuser is added by the following command:
Id ldapuser1
Note: user password doesn't not need to set

NEW QUESTION 89
Part 1 (on Node1 Server)
Task 1 [Managing Networking]
Please create new network connection with existing interface (enp1s0) using provided values: IPv4: 172.25.X.10/255.255.255.0 (where X is your domain number: Domain15)
Gateway: 172.25.X.2
DNS server: 172.25.X.2
Add the following secondary IP addresses statically to your current running connection. Do this in a way that does not compromise your existing settings:
IPv4: 10.0.0.5/24 and set the hostname node1.domain15.example.com

A. Mastered
B. Not Mastered

Answer: A

Explanation:
*
[root@node1 ~]# nmcli connection show
[root@node1 ~]# nmcli connection add con-name static ifname enp1s0 type ethernet ipv4.addresses 172.25.15.10/24 ipv4.gateway 172.25.15.2 ipv4.dns 172.25.15.2
[root@node1 ~]# nmcli connection modify static ipv4.method manual connection.autoconnect yes [root@node1 ~]# nmcli connection modify static +ipv4.addresses 10.0.0.5/24
[root@node1 ~]# nmcli connection up static
[root@node1 ~]# nmcli connection show
[root@node1 ~]# hostnamectl set-hostname node1.domain15.example.com
[root@node1 ~]# hostnamectl status
[root@node1 ~]# nmcli connection down static
*
[root@node1 ~]# nmcli connection up static
[root@node1 ~]# ip addr show
[root@node1 ~]# reboot
For checking
[root@node1 ~]# ip addr show
[root@node1 ~]# netstat -nr

[root@node1 ~]# cat /etc/resolv.conf

NEW QUESTION 93
Configure the permissions of /var/tmp/fstab
Copy the file /etc/fstab to /var/tmp/fstab. Configure the permissions of /var/tmp/fstab so that:
the file /var/tmp/fstab is owned by the root user.
the file /var/tmp/fstab belongs to the group root.
the file /var/tmp/fstab should not be executable by anyone.
the user natasha is able to read and write /var/tmp/fstab.
the user harry can neither write nor read /var/tmp/fstab.
all other users (current or future) have the ability to read /var/tmp/fstab.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
- cp -a /etc/fstab /var/tmp
- cd /var/tmp
- ls -l
- getfacl /var/tmp/fstab
- chmod ugo-x /var/tmp/fstab

[No need to do this, there won't be execute permission for the file by default]
setfacl -m u:natasha:rw /var/tmp/fstab # setfacl -m u:harry:0 /var/tmp/fstab(zero)
[Read permission will be there for all the users, by default. Check it using ls -l /var/tmp/fstab] Verify by [ls -la /var/tmp/fstab]

NEW QUESTION 98
Add user: user1, set uid=601 Password: redhat
The user's login shell should be non-interactive.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
useradd -u 601 -s /sbin/nologin user1
passwd user1 redhat

NEW QUESTION 99
Part 1 (on Node1 Server)
Task 12 [Accessing Network-Attached Storage]
Configure autofs to automount the home directories of user remoteuserX. Note the following: utility.domain15.example.com(172.25.15.9), NFS-exports /netdir to your system, where user is remoteuserX
where X is your domain number
remoteuserX home directory is utility.domain15.example.com:/netdir/remoteuserX remoteuserX home directory should be auto mounted locally at /netdir as /netdir/remoteuserX
Home directories must be writable by their users while you are able to login as any of the remoteuserX only home directory that is accessible from your system

A. Mastered
B. Not Mastered

Answer: A

Explanation:
*
•
[root@host ~]#systemctl enable sssd.service
[root@host ~]#systemctl start sssg.service
[root@host ~]#getent passwd remoteuser15
[root@host ~]#yum install autofs
[root@host ~]#vim /etc/auto.master.d/home9.autofs
/netdir/remoteuser15 /etc/auto.home9
[root@host ~]#vim /etc/auto.home9
remoteuser15 –rw,sync utility.network15.example.com:/netdir/remoteuser15/&
[root@host ~]#systemctl enable autofs
[root@host ~]#systemctl restart autofs
[root@host ~]#su - remoteuser15

NEW QUESTION 102
Configure
your web services, download from http://instructor.example.com/pub/serverX.html And the services must be still running after system rebooting.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

cd /var/www/html
wget
http://instructor.example.com/pub/serverX.html mv serverX.html index.html /etc/init.d/httpd restart chkconfig httpd on

NEW QUESTION 106
Locate all the files owned by ira and copy them to the / root/findresults directory.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
find / -user ira > /root/findresults (if /root/findfiles is a file)
mkdir -p /root/findresults
find / -user ira -exec cp -a {} /root/findresults\; [if /root/findfiles is a directory] ls /root/findresults

NEW QUESTION 111
User mary must configure a task.
Requirement: The local time at 14:23 every day echo "Hello World.".

A. Mastered
B. Not Mastered

Answer: A

Explanation:
crontab -u mary -e
23 14 * * * echo "Hello World."

NEW QUESTION 113
One Logical Volume named lv1 is created under vg0. The Initial Size of that Logical Volume is 100MB. Now you required the size 500MB. Make successfully the size of that Logical Volume 500M without losing any data. As well as size should be increased online.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
The LVM system organizes hard disks into Logical Volume (LV) groups. Essentially, physical hard disk partitions (or possibly RAID arrays) are set up in a bunch of equal sized chunks known as Physical Extents (PE). As there are several other concepts associated with the LVM system, let's start with some basic definitions:
Physical Volume (PV) is the standard partition that you add to the LVM mix. Normally, a physical volume is a standard primary or logical partition. It can also be a RAID array.
Physical Extent (PE) is a chunk of disk space. Every PV is divided into a number of equal sized PEs. Every PE in a LV group is the same size. Different LV groups can have different sized PEs.
Logical Extent (LE) is also a chunk of disk space. Every LE is mapped to a specific PE.
Logical Volume (LV) is composed of a group of LEs. You can mount a file system such as /home and /var on an LV.
Volume Group (VG) is composed of a group of LVs. It is the organizational group for LVM. Most of the commands that you'll use apply to a specific VG.

- Verify the size of Logical Volume: lvdisplay /dev/vg0/lv1
- Verify the Size on mounted directory: df -h or df -h mounted directory name
- Use: lvextend -L+400M /dev/vg0/lv1
- ext2online -d /dev/vg0/lv1 to bring extended size online.
- Again Verify using lvdisplay and df -h command.

NEW QUESTION 117
A YUM source has been provided in the http://instructor.example.com/pub/rhel6/dvd Configure your system and can be used normally.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

- /etc/yum.repos.d/base.repo

[base]
name=base
baseurl=http://instructor.example.com/pub/rhel6/dvd
gpgcheck=0
yum list

NEW QUESTION 119

One Logical Volume is created named as myvol under vo volume group and is mounted. The Initial Size of that Logical Volume is 400MB. Make successfully that the size of Logical Volume 200MB without losing any data. The size of logical volume 200MB to 210MB will be acceptable.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
- First check the size of Logical Volume: lvdisplay /dev/vo/myvol
- Make sure that the filesystem is in a consistent state before reducing:

fsck -f /dev/vo/myvol

- Now reduce the filesystem by 200MB.

resize2fs /dev/vo/myvol 200M

- It is now possible to reduce the logical volume. #lvreduce /dev/vo/myvol -L 200M
- Verify the Size of Logical Volume: lvdisplay /dev/vo/myvol
- Verify that the size comes in online or not: df -h

NEW QUESTION 121
Upgrading the kernel as 2.6.36.7.1, and configure the system to Start the default kernel, keep the old kernel available.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
# cat /etc/grub.conf
# cd /boot
# lftp it
# get dr/dom/kernel-xxxx.rpm
# rpm -ivh kernel-xxxx.rpm
# vim /etc/grub.conf
default=0

NEW QUESTION 124
Configure your Host Name, IP Address, Gateway and DNS.
Host name: station.domain40.example.com
/etc/sysconfig/network
hostname=abc.com
hostname abc.com
IP Address:172.24.40.40/24
Gateway172.24.40.1
DNS:172.24.40.1

A. Mastered
B. Not Mastered

Answer: A

Explanation:
# cd /etc/syscofig/network-scripts/
# ls
# vim ifcfg-eth0 (Configure IP Address, Gateway and DNS) IPADDR=172.24.40.40 GATEWAY=172.24.40.1
DNS1=172.24.40.1
# vim /etc/sysconfig/network
(Configure Host Name)
HOSTNAME= station.domain40.example.com
OR
Graphical Interfaces:
System->Preference->Network Connections (Configure IP Address, Gateway and DNS) Vim
/etc/sysconfig/network
(Configure Host Name)

NEW QUESTION 126
Part 1 (on Node1 Server)
Task 7 [Accessing Linux File Systems]
Find all the files owned by user natasha and redirect the output to /home/alex/files.
Find all files that are larger than 5MiB in the /etc directory and copy them to /find/largefiles.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
[root@node1 ~]# find / -name natasha -type f > /home/natasha/files
[root@node1 ~]# cat /home/natasha/files

/var/spool/mail/natasha
/mnt/shares/natasha
[root@node1 ~]# mkdir /find
[root@node1 ~]# find /etc -size +5M > /find/largefiles
[root@node1 ~]# cat /find/largefiles
/etc/selinux/targeted/policy/policy.31
/etc/udev/hwdb.bin

NEW QUESTION 130
There are two different networks 192.168.0.0/24 and 192.168.1.0/24. Where 192.168.0.254 and 192.168.1.254 IP Address are assigned on Server. Verify your network settings by pinging 192.168.1.0/24 Network's Host.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
vi /etc/sysconfing/network NETWORKING=yes HOSTNAME=station?.example.com GATEWAY=192.168.0.254
service network restart
* 2.vi /etc/sysconfig/network-scripts/ifcfg-eth0 DEVICE=eth0
ONBOOT=yes
BOOTPROTO=static
IPADDR=X.X.X.X
NETMASK=X.X.X.X
GATEWAY=192.168.0.254
ifdown eth0
ifup eth0

NEW QUESTION 133
Configure the verification mode of your host account and the password as LDAP. And it can login successfully through ldapuser40. The password is set as "password".
And the certificate can be downloaded from http://ip/dir/ldap.crt. After the user logs on the user has no host directory unless you configure the autofs in the following questions.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
system-config-authentication
LDAP Server: ldap//instructor.example.com (In domain form, not write IP)
OR
yum groupinstall directory-client (1.krb5-workstation 2.pam-krb5 3.sssd)
system-config-authentication
* 1. User Account Database: LDAP
* 2. LDAP Search Base DN: dc=example,dc=com
* 3. LDAP Server: ldap://instructor.example.com (In domain form, not write IP)
* 4.Download CA Certificate * 5.Authentication Method: LDAP password
* 6.Apply
getent passwd ldapuser40

NEW QUESTION 136
Create User Account.
Create the following user, group and group membership:
Adminuser group
User natasha, using adminuser as a sub group
User Harry, also using adminuser as a sub group
User sarah, can not access the SHELL which is interactive in the system, and is not a member of adminuser, natashaharrysarah password is redhat.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

groupadd adminuser
useradd natasha -G adminuser
useradd haryy -G adminuser
useradd sarah -s /sbin/nologin
Passwd user name // to modify password or echo redhat | passwd --stdin user name id natasha // to view user group.

NEW QUESTION 137
Part 1 (on Node1 Server)
Task 17 [Accessing Linux File Systems]
Find all the files owned by user “alex” and redirect the output to /home/alex/files.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
* root@node1 ~]# find / -user alex -type f > /home/alex/files

NEW QUESTION 142
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