Red-Hat

Exam Questions EX200

EX200 Red Hat Certified System Administrator (RHCSA) Exam

NEW QUESTION 1
CORRECT TEXT
Notes:
NFS NFS instructor.example.com:/var/ftp/pub/rhel6/dvd
YUM http://instructor.example.com/pub/rhel6/dvd
ldap http//instructor.example.com/pub/EXAMPLE-CA-CERT Install dialog package.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
yum install dialog

NEW QUESTION 2
CORRECT TEXT
Install the Kernel Upgrade.
Install suitable kernel update from: http://server.domain11.example.com/pub/updates. Following requirements must be met:
Updated kernel used as the default kernel of system start-up.
The original kernel is still valid and can be guided when system starts up.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Using the browser open the URL in the question, download kernel file to root or home directory.
uname –r// check the current kernel version
rpm –ivh kernel-*.rpm
vi /boot/grub.conf// check
Some questions are: Install and upgrade the kernel as required. To ensure that grub2 is the default item for startup.
Yum repo : http://content.example.com/rhel7.0/x86-64/errata
OR
uname -r // check kernel
Yum-config-manager --add-repo="http://content.example.com/rhel7.0/x86-64/ errata"
Yum clean all
Yum list kernel// install directly
Yum -y install kernel// stuck with it, do not pipe! Please do not pipe!
Default enable new kernel grub2-editenv list// check
Modify grub2-set-default "kernel full name"
Grub2-mkconfig –o/boot/grub2/grub.cfg// Refresh

NEW QUESTION 3
CORRECT TEXT
You are a System administrator. Using Log files very easy to monitor the system. Now there are 50 servers running as Mail, Web, Proxy, DNS services etc. You want to centralize the logs from all servers into on LOG Server. How will you configure the LOG Server to accept logs from remote host?

A. Mastered
B. Not Mastered

Answer: A

Explanation:
By default, system accept the logs only generated from local host. To accept the Log from other host configure:
vi /etc/sysconfig/syslog SYSLOGD_OPTIONS="-m 0 -r"
Where
-m 0 disables 'MARK' messages.
-r enables logging from remote machines
-x disables DNS lookups on messages received with -r
service syslog restart

NEW QUESTION 4
CORRECT TEXT
Configure your system so that it is an NTP client of server.domain11.example.com

A. Mastered
B. Not Mastered

Answer: A

Explanation:
#system-config-date
Note: dialog box will open in that
Check mark Synchronize date and time over network. Remove all the NTP SERVER and click ADD and type
server.domain11.example.com
***************And then press ENTER and the press OK***************

NEW QUESTION 5
CORRECT TEXT
Resize the logical volume vo and its filesystem to 290 MB. Make sure that the filesystem contents remain intact.
Note: Partitions are seldom exactly the same size requested, so a size within the range of 260 MB to 320 MiB is acceptable.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
df -hT
lvextend -L +100M /dev/vg0/vo
lvscan
xfs_growfs /home/ // home is LVM mounted directory
Note: This step is only need to do in our practice environment, you do not need to do in the real exam
resize2fs /dev/vg0/vo // Use this comand to update in the real exam df -hT
OR
e2fsck -f /dev/vg0/vo
umount /home
resize2fs /dev/vg0/vo required partition capacity such as 100M lvreduce -l 100M
/dev/vg0/vo mount /dev/vg0/vo /home
df –Ht

NEW QUESTION 6
CORRECT TEXT
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 7
CORRECT TEXT
Install the appropriate kernel update from http://server.domain11.example.com/pub/updates.
The following criteria must also be met:
The updated kernel is the default kernel when the system is rebooted The original kernel remains available and bootable on the system

A. Mastered
B. Not Mastered

Answer: A

Explanation:
? ftp server.domain11.example.com Anonymous login
ftp> cd /pub/updates ftp> ls ftp> mget kernel* ftp> bye
? rpm -ivh kernel*
? vim /etc/grub.conf
Check the updatted kernel is the first kernel and the orginal kernel remains available. set default=0
wq!

NEW QUESTION 8
CORRECT TEXT
Create a backup
Create a backup file named /root/backup.tar.bz2, contains the content of /usr/local, tar must use bzip2 to compress.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
cd /usr/local
tar –jcvf /root/backup.tar.bz2
mkdir /test
tar –jxvf /root/backup.tar.bz2 –C /test// Decompression to check the content is the same as the /usr/loca after

If the questions require to use gzip to compress. change –j to –z.

NEW QUESTION 9
CORRECT TEXT
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 10
CORRECT TEXT
Part 1 (on Node1 Server)
Task 16 [Running Containers]
Configure your host journal to store all journal across reboot
Copy all journal files from /var/log/journal/ and put them in the /home/shangrila/container- logserver
Create and mount /home/shangrila/container-logserver as a persistent storage to the container as /var/log/ when container start

A. Mastered
B. Not Mastered

Answer: A

Explanation:
*
[shangrila@node1 ~]$ podman ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
d5ffe018a53c registry.domain15.example.com:5000/rhel8/rsyslog:latest /bin/rsyslog.sh 5 seconds ago Up 4 seconds ago logserver
[shangrila@node1 ~]$ podman stats logserver
Error: stats is not supported in rootless mode without cgroups v2
[shangrila@node1 ~]$ podman stop logserver d5ffe018a53ca7eb075bf560d1f30822ab6fe51eba58fd1a8f370eda79806496
[shangrila@node1 ~]$ podman rm logserver
Error: no container with name or ID logserver found: no such container
[shangrila@node1 ~]$ mkdir -p container-journal/
*
[shangrila@node1 ~]$ sudo systemctl restart systemd-journald
[sudo] password for shangrila:
[shangrila@node1 ~]$ sudo cp -av /var/log/journal/* container-journal/
[shangrila@node1 ~]$ sudo cp -av /var/log/journal/* container-journal/
[shangrila@node1 ~]$ sudo chown -R shangrila container-journal/
[shangrila@node1 ~]$ podman run -d --name logserver -v /home/shangrila/container- journal/:/var/log/journal:Z registry.domain15.example.com:5000/rhel8/rsyslog
[shangrila@node1 ~]$ podman ps
[shangrila@node1 ~]$ loginctl enable-linger
[shangrila@node1 ~]$ loginctl show-user shangrila|grep -i linger
Linger=yes
*
[shangrila@node1 ~]$ podman stop logserver
[shangrila@node1 ~]$ podman rm logserver
[shangrila@node1 ~]$ systemctl --user daemon-reload
[shangrila@node1 ~]$ systemctl --user enable --now container-logserver
[shangrila@node1 ~]$ podman ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
3903e1d09170 registry.domain15.example.com:5000/rhel8/rsyslog:latest /bin/rsyslog.sh 4
seconds ago Up 4 seconds ago logserver
[shangrila@node1 ~]$ systemctl --user stop container-logserver.service
*
[shangrila@node1 ~]$ sudo reboot
[shangrila@node1 ~]$ podman ps -a
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
7e6cd59c506a registry.domain15.example.com:5000/rhel8/rsyslog:latest /bin/rsyslog.sh 10 seconds ago Up 9 seconds ago logserver

NEW QUESTION 10
CORRECT TEXT
Create a 2G swap partition which take effect automatically at boot-start, and it should not affect the original swap partition.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
fdisk /dev/sda
p
(check Partition table)
n
(create new partition: press e to create extended partition, press p to create the main partition, and the extended partition is further divided into logical partitions)
Enter
+2G t
8 I
82
W
partx -a /dev/sda
partprobe
mkswap /dev/sda8
Copy UUID
swapon -a
vim /etc/fstab
UUID=XXXXX swap swap defaults 0 0
(swapon -s)

NEW QUESTION 12
CORRECT TEXT
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 17
CORRECT TEXT
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 18
CORRECT TEXT
Part 2 (on Node2 Server)
Task 8 [Tuning System Performance]
Set your server to use the recommended tuned profile

A. Mastered
B. Not Mastered

Answer: A

Explanation:
[root@node2 ~]# tuned-adm list
[root@node2 ~]# tuned-adm active
Current active profile: virtual-guest
[root@node2 ~]# tuned-adm recommend

virtual-guest
[root@node2 ~]# tuned-adm profile virtual-guest
[root@node2 ~]# tuned-adm active
Current active profile: virtual-guest
[root@node2 ~]# reboot
[root@node2 ~]# tuned-adm active
Current active profile: virtual-guest

NEW QUESTION 23
CORRECT TEXT
Part 1 (on Node1 Server)
Task 15 [Running Containers]
Create a container named logserver with the image rhel8/rsyslog found from the registry registry.domain15.example.com:5000
The container should run as the root less user shangrila. use redhat as password [sudo user]
Configure the container with systemd services as the shangrila user using the service name, "container-logserver" so that it can be persistent across reboot.
Use admin as the username and admin123 as the credentials for the image registry.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
*
[root@workstation ~]# ssh shangrila@node1
[shangrila@node1 ~]$ podman login registry.domain15.example.com:5000
Username: admin
Password:
Login Succeeded!
[shangrila@node1 ~]$ podman pull registry.domain15.example.com:5000/rhel8/rsyslog
[shangrila@node1 ~]$ podman run -d --name logserver
registry.domain15.example.com:5000/rhel8/rsyslog 021b26669f39cc42b8e94eab886ba8293d6247bf68e4b0d76db2874aef284d6d
[shangrila@node1 ~]$ mkdir -p ~/.config/systemd/user
[shangrila@node1 ~]$ cd ~/.config/systemd/user
*
[shangrila@node1 user]$ podman generate systemd --name logserver --files --new
/home/shangrila/.config/systemd/user/container-logserver.service
[shangrila@node1 ~]$ systemctl --user daemon-reload
[shangrila@node1 user]$ systemctl --user enable --now container-logserver.service
[shangrila@node1 ~]$ podman ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
7d9f7a8a4d63 registry.domain15.example.com:5000/rhel8/rsyslog:latest /bin/rsyslog.sh 2 seconds ago logserver
[shangrila@node1 ~]$ sudo reboot
[shangrila@node1 ~]$ cd .config/systemd/user
[shangrila@node1 user]$ systemctl --user status

NEW QUESTION 24
CORRECT TEXT
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 29
CORRECT TEXT
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 33
CORRECT TEXT
Configure a default software repository for your system.
One YUM has already provided to configure your system on http://server.domain11.example.com/pub/ x86_64/Server, and can be used normally.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Yum-config-manager --add-repo=http://content.example.com/rhel7.0/x86-64/dvd" is to generate a file vim content.example.com_rhel7.0_x86_64_dvd.repo, Add a line gpgcheck=0
Yumcleanall
Yumrepolist
Almost 4305 packages are right, Wrong Yum Configuration will lead to some following questions cannot be worked out.

NEW QUESTION 38
CORRECT TEXT
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 42
CORRECT TEXT
Some users home directory is shared from your system. Using showmount -e localhost command, the shared directory is not shown. Make access the shared users home directory.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
? Verify the File whether Shared or not ? : cat /etc/exports
? Start the nfs service: service nfs start
? Start the portmap service: service portmap start
? Make automatically start the nfs service on next reboot: chkconfig nfs on
? Make automatically start the portmap service on next reboot: chkconfig portmap on
? Verify either sharing or not: showmount -e localhost
? Check that default firewall is running on system?
If running flush the iptables using iptables -F and stop the iptables service.

NEW QUESTION 45
CORRECT TEXT
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/ldapuser11 :wq!
#service autofs restart

? service autofs reload
? chkconfig autofs on
? su -ldapuser11
Login ldapuser with home directory
exit

NEW QUESTION 46
CORRECT TEXT
Install a FTP server, and request to anonymous download from /var/ftp/pub catalog. (it needs you to configure yum direct to the already existing file server.)

A. Mastered
B. Not Mastered

Answer: A

Explanation:
cd /etc/yum.repos.d
vim local.repo
[local] name=local.repo
baseurl=file:///mnt
enabled=1
gpgcheck=0
# yum makecache
# yum install -y vsftpd
# service vsftpd restart
# chkconfig vsftpd on
# chkconfig --list vsftpd
# vim /etc/vsftpd/vsftpd.conf
anonymous_enable=YES

NEW QUESTION 50
CORRECT TEXT
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 51
CORRECT TEXT
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 55
CORRECT TEXT
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 56
CORRECT TEXT
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:
cd /home/
mkdir admins /
chown .admin admins/
chmod 770 admins/
chmod g+s admins/

NEW QUESTION 58
CORRECT TEXT
Configure autofs.
Configure the autofs automatically mount to the home directory of LDAP, as required: server.domain11.example.com use NFS to share the home to your system.
This file system
contains a pre
configured home directory of user ldapuserX. Home directory of ldapuserX is:
server.domain11.example.com /home/guests/ldapuser
Home directory of ldapuserX should automatically mount to the ldapuserX of the local
/home/guests Home directory's write permissions must be available for users ldapuser1's password is password

A. Mastered
B. Not Mastered

Answer: A

Explanation:
yum install -y autofs
mkdir /home/rehome
? /etc/auto.master
/home/rehome/etc/auto.ldap
Keep then exit
cp /etc/auto.misc /etc/auto.ldap
? /etc/auto.ldap
ldapuserX -fstype=nfs,rw server.domain11.example.com:/home/guests/

Keep then exit
systemctl start autofs
systemctl enable autofs
su - ldapuserX// test
If the above solutions cannot create files or the command prompt is -bash-4.2$, it maybe exist multi-level directory, this needs to change the
server.domain11.example.com:/home/guests/ to server.domain11.example.com:/home/guests/ldapuserX. What is multi-level directory? It means there is a
directory of ldapuserX under the /home/guests/ldapuserX in the questions. This directory is the real directory.

NEW QUESTION 62
CORRECT TEXT
Configure a cron Task.
User natasha must configure a cron job, local time 14:23 runs and executes: */bin/echo hiya every day.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
crontab –e –u natasha
23 14/bin/echo hiya
crontab -l -u natasha // view
systemctlenable crond
systemcdlrestart crond

NEW QUESTION 67
CORRECT TEXT
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 69
CORRECT TEXT
Create a Shared Directory.
Create a shared directory /home/admins, make it has the following characteristics:
/home/admins belongs to group adminuser
This directory can be read and written by members of group adminuser Any files created in
/home/ admin, group automatically set as adminuser.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
mkdir /home/admins
chgrp -R adminuser /home/admins
chmodg+w /home/admins
chmodg+s /home/admins

NEW QUESTION 74
CORRECT TEXT
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 78
CORRECT TEXT
Find the files owned by harry, and copy it to catalog: /opt/dir

A. Mastered
B. Not Mastered

Answer: A

Explanation:
cd /opt/
mkdir dir
find / -user harry -exec cp -rfp {} /opt/dir/ \;

NEW QUESTION 80
CORRECT TEXT
Download ftp://192.168.0.254/pub/boot.iso to /root, and mounted automatically under
/media/cdrom and which take effect automatically at boot-start.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
cd /root; wget ftp://192.168.0.254/pub/boot.iso
mkdir -p /media/cdrom
vim /etc/fstab
/root/boot.iso /media/cdrom iso9660 defaults,loop 0 0
mount -a
mount [-t vfstype] [-o options] device dir

NEW QUESTION 81
CORRECT TEXT
Configure a task: plan to run echo "file" command at 14:23 every day.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
(a) Created as administrator
crontab -u natasha -e
23 14 * * * /bin/echo "file"
(b)Created as natasha
# su - natasha
$ crontab -e
23 14 * * * /bin/echo "file"

NEW QUESTION 85
CORRECT TEXT
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 88
CORRECT TEXT
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 92
CORRECT TEXT
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 96
CORRECT TEXT
A YUM repository has been provided at http://server.domain11.example.com/pub/x86_64/Server.
Configure your system to use this location as a default repository.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

vim/etc/yum.repos/base.repo
[base]

name=base
baseurl= http://server.domain11.example.com/pub/x86_64/Server
gpgcheck=0
enable=1
Save and Exit
Use yum list for validation, the configuration is correct if list the package information. If the Yum configuration is not correct then maybe cannot answer the following questions.

NEW QUESTION 99
CORRECT TEXT
Configure /var/tmp/fstab Permission.
Copy the file /etc/fstab to /var/tmp/fstab. Configure var/tmp/fstab permissions as the following:
Owner of the file /var/tmp/fstab is Root, belongs to group root
File /var/tmp/fstab cannot be executed by any user
User natasha can read and write /var/tmp/fstab
User harry cannot read and write /var/tmp/fstab
All other users (present and future) can read var/tmp/fstab.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
cp /etc/fstab /var/tmp/
? /var/tmp/fstab view the owner setfacl -m u:natasha:rw- /var/tmp/fstab setfacl -m u:haryy:--- /var/tmp/fstab
Use getfacl /var/tmp/fstab to view permissions

NEW QUESTION 104
CORRECT TEXT
Part 1 (on Node1 Server)
Task 10 [Configuring NTP/Time Synchronization]
Configure your system so that it is an NTP client of utility.domain15.example.com
The system time should be set to your (or nearest to you) timezone and ensure NTP sync is configured

A. Mastered
B. Not Mastered

Answer: A

Explanation:
*
[root@node1 ~]# yum install chrony
[root@node1 ~]# vim /etc/chrony.conf
pool utility.domain15.example.com iburst
[root@node1 ~]# systemctl enable chronyd
[root@node1 ~]# systemctl restart chronyd
[root@node1 ~]# systemctl status chronyd
[root@node1 ~]# tzselect
Please identify a location so that time zone rules can be set correctly.
Please select a continent, ocean, "coord", or "TZ".
1) Africa
2) Americas
3) Antarctica
4) Asia
11) TZ - I want to specify the time zone using the Posix TZ format.
#? 4
*
Please select a country whose clocks agree with yours.
1) Afghanistan 18) Israel 35) Palestine
2) Armenia 19) Japan 36) Philippines
3) Azerbaijan 20) Jordan 37) Qatar
4) Bahrain 21) Kazakhstan 38) Russia
5) Bangladesh 22) Korea (North) 39) Saudi Arabia
#? 5
The following information has been given: Bangladesh
Therefore TZ='Asia/Dhaka' will be used. Is the above information OK?
1) Yes
2) No
#? 1
Asia/Dhaka
[root@node1 ~]# chronyc sources -v
^? utility.domain15.example> 0 7 0 - +0ns[+0ns] +/- 0ns

NEW QUESTION 105
CORRECT TEXT
Add a swap partition.
Adding an extra 500M swap partition to your system, this swap partition should mount automatically when the system starts up. Don't remove and modify the existing swap partitions on your system.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
fdisk -cu /dev/vda// in the way of expanding the partition, don't make main partition
partx –a /dev/vda
mkswap /dev/vdax
swapon /dev/vdax
swapon –s
vi /etc/fstab
/dev/vdaxswapswapdefaults0 0
mount -a

NEW QUESTION 108
CORRECT TEXT
Upgrade the kernel, start the new kernel by default. kernel download from this address: ftp://server1.domain10.example.com/pub/update/new.kernel

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Download the new kernel file and then install it.
[root@desktop8 Desktop]# ls
kernel-2.6.32-71.7.1.el6.x86_64.rpm
kernel-firmware-2.6.32-71.7.1.el6.noarch.rpm
[root@desktop8 Desktop]# rpm -ivh kernel-*
Preparing... ##
[100%]
1:kernel-firmware
[50%]
2:kernel
[100%]
Verify the grub.conf file, whether use the new kernel as the default boot. [root@desktop8 Desktop]# cat /boot/grub/grub.conf default=0
title Red Hat Enterprise Linux Server (2.6.32-71.7.1.el6.x86_64)
root (hd0,0)
kernel /vmlinuz-2.6.32-71.7.1.el6.x86_64 ro root=/dev/mapper/vol0-root
rd_LVM_LV=vol0/root rd_NO_LUKS rd_NO_MD
rd_NO_DM LANG=en_US.UTF-8 SYSFONT=latarcyrheb-sun16 KEYBOARDTYPE=pc
KEYTABLE=us crashkernel=auto rhgb quiet
initrd /initramfs-2.6.32-71.7.1.el6.x86_64.img

NEW QUESTION 111
CORRECT TEXT
Create a volume group, and set the size is 500M, the size of single PE is 16M. Create logical volume named lv0 in this volume group, set size is 20 PE, make it as ext3 file system, and mounted automatically under data.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
fdisk /dev/vda
pvcreate /dev/vda3
vgcreate –s 16M vg0 /dev/vda3
lvcreate –n lv0 –l 20 vg0
mkfs.ext3 /dev/mapper/vg0-lv0
mkdir /data
/etc/fstab:
/dev/mapper/vg0-lv0 /data ext3 defaults 0 0
mount –a
mount | grep data

NEW QUESTION 116
CORRECT TEXT
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
CORRECT TEXT
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 123
CORRECT TEXT
Who ever creates the files/directories on a data group owner should automatically be in the same group owner as data.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
* 1. chmod g+s /data
* 2. Verify using: ls -ld /data
Permission should be like this: drwxrws--- 2 root sysadmin 4096 Mar 16 18:08 /data
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 128
CORRECT TEXT
Add admin group and set gid=600

A. Mastered
B. Not Mastered

Answer: A

Explanation:
\# groupadd -g 600 admin

NEW QUESTION 133
CORRECT TEXT
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 135
CORRECT TEXT
Search files.
Find out files owned by jack, and copy them to directory /root/findresults

A. Mastered
B. Not Mastered

Answer: A

Explanation:
mkdir/root/findfiles
find / -user jack -exec cp -a {} /root/findfiles/ \; ls /root/findresults

NEW QUESTION 140
CORRECT TEXT
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 143
CORRECT TEXT
Part 2 (on Node2 Server)
Task 7 [Implementing Advanced Storage Features]
Create a thin-provisioned filesystem with the name think_fs from a pool think_pool using the devices.
The filesystem should be mounted on /strav and must be persistent across reboot

A. Mastered
B. Not Mastered

Answer: A

Explanation:
*
[root@node2 ~]# lsblk
NAME MAJ:MIN RM SIZE RO TYPE MOUNTPOINT
vdd 252:48 0 5G 0 disk
vde 252:64 0 10G 0 disk
vdo1 253:4 0 50G 0 vdo /vbread
[root@node2 ~]# yum install stratis* -y
[root@node2 ~]# systemctl enable --now stratisd.service
[root@node2 ~]# systemctl start stratisd.service
[root@node2 ~]# systemctl status stratisd.service
[root@node2 ~]# stratis pool create think_pool /dev/vdd
[root@node2 ~]# stratis pool list
Name Total Physical Properties
think_pool 5 GiB / 37.63 MiB / 4.96 GiB ~Ca,~Cr
*
[root@node2 ~]# stratis filesystem create think_pool think_fs
[root@node2 ~]# stratis filesystem list
Pool Name Name Used Created Device UUID
think_pool think_fs 546 MiB Mar 23 2021 08:21 /stratis/think_pool/think_fs ade6fdaab06449109540c2f3fdb9417d
[root@node2 ~]# mkdir /strav
[root@node2 ~]# lsblk
[root@node2 ~]# blkid
/dev/mapper/stratis-1-91ab9faf36a540f49923321ba1c5e40d-thin-fs- ade6fdaab06449109540c2f3fdb9417d: UUID="ade6fdaa-b064-4910-9540-c2f3fdb9417d"

BLOCK_SIZE="512" TYPE="xfs"
*
[root@node2 ~]# vim /etc/fstab
UUID=ade6fdaa-b064-4910-9540-c2f3fdb9417d /strav xfs defaults,x- systemd.requires=stratisd.service 0 0
[root@node2 ~]# mount /stratis/think_pool/think_fs /strav/
[root@node2 ~]# df -hT
/dev/mapper/stratis-1-91ab9faf36a540f49923321ba1c5e40d-thin-fs- ade6fdaab06449109540c2f3fdb9417d xfs 1.0T 7.2G 1017G 1% /strav

NEW QUESTION 144
CORRECT TEXT
SELinux must be running in the Enforcing mode.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
getenforce // Check the current mode of SELinux // SELinux runs in enforcing mode // Check
getenforce 1
getenforce
vim /etc/selinux/config selinux=enforcing // To temporarily enable SELinux
wg
sestatus

NEW QUESTION 147
CORRECT TEXT
Make on data that only the user owner and group owner member can fully access.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
? chmod 770 /data
? Verify using : ls -ld /data Preview should be like:
drwxrwx--- 2 root sysadmin 4096 Mar 16 18:08 /data
To change the permission on directory we use the chmod command.
According to the question that only the owner user (root) and group member (sysadmin) can fully access the directory so: chmod 770 /data

NEW QUESTION 148
CORRECT TEXT
According the following requirements to create a local directory /common/admin.
? This directory has admin group.
? This directory has read, write and execute permissions for all admin group members.
? Other groups and users don't have any permissions.
? All the documents or directories created in the/common/admin are automatically inherit the admin group.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
mkdir -p /common/admin
chgrp admin /common/admin
chmod 2770 /common/admin

NEW QUESTION 151
CORRECT TEXT
The system ldap.example.com provides an LDAP authentication service.
Your system should bind to this service as follows:
The base DN for the authentication service is dc=domain11, dc=example, dc=com LDAP is used to provide both account information and authentication
information. The connection should be encrypted using the certificate at http://host.domain11.example.com/pub/domain11.crt
When properly configured, ldapuserX should be able to log into your system, but will not have a home directory until you have completed the autofs requirement.
Username: ldapuser11
Password: password

A. Mastered
B. Not Mastered

Answer: A

Explanation:
? system-config-authentication LDAP user DN=dc=domain11,dc=example,dc=com Server= host.domain11.example.com
Certificate= http://host.domain11.example.com/pub/domain11.crt (enter url carefully, there maybe // or ..)
LDAP password
OK

starting sssd
? su -ldapuser11 Display Bash prompt #exit

NEW QUESTION 154
CORRECT TEXT
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 156
CORRECT TEXT
Copy /etc/fstab to /var/tmp name admin, the user1 could read, write and modify it, while user2 without any permission.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
cp /etc/fstab /var/tmp/
chgrp admin /var/tmp/fstab
setfacl -m u:user1:rwx /var/tmp/fstab
setfacl -m u:user2:--- /var/tmp/fstab
ls -l
-rw-rw-r--+ 1 root admin 685 Nov 10 15:29 /var/tmp/fstab

NEW QUESTION 157
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