

## Exam Questions EX200

EX200 Red Hat Certified System Administrator (RHCSA) Exam

<https://www.2passeasy.com/dumps/EX200/>



### NEW QUESTION 1

CORRECT TEXT

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/sysconfig/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 2

CORRECT TEXT

Create a swap space, set the size is 600 MB, and make it be mounted automatically after rebooting the system (permanent mount).

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

```
? if=/dev/zero of=/swapfile bs=1M count=600 mkswap /swapfile
/etc/fstab:
/swapfile swap swap defaults 0 0 mount -a
```

### NEW QUESTION 3

CORRECT TEXT

SELinux must run in force mode.

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

```
/etc/sysconfig/selinux
SELINUX=enforcing
```

### NEW QUESTION 4

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 5

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 6

CORRECT TEXT

In the system, mounted the iso image /root/examine.iso to/mnt/iso directory. And enable automatically mount (permanent mount) after restart system.

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

```
mkdir -p /mnt/iso
```

```
/etc/fstab:
```

```
/root/examine.iso /mnt/iso iso9660 loop 0 0 mount -a
```

```
mount | grep examine
```

#### NEW QUESTION 7

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 8

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 updated kernel is the first kernel and the original kernel remains available. set default=0

wq!

#### NEW QUESTION 9

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 l
82
W
partx -a /dev/sda
partprobe
mkswap /dev/sda8
Copy UUID
swapon -a
vim /etc/fstab
UUID=XXXXXX swap swap defaults 0 0
(swapon -s)
```

**NEW QUESTION 10**

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 sarrah
# passwd Natasha
# passwd harry
# passwd sarrah
```

**NEW QUESTION 10**

CORRECT TEXT

Configure your Host Name, IP Address, Gateway and DNS.

Host name: dtop5.dn.ws.com

IP Address: 172.28.10.5/4

Gateway: 172.28.10.1

DNS: 172.28.10.1

A. Mastered  
B. Not Mastered

**Answer:** A

**Explanation:**

? Configure Host Name

? vim /etc/sysconfig/network NETWORKING=yes HOSTNAME=dtop5.dn.ws.com GATEWAY=172.28.10.1

\* 2. Configure IP Address, Gateway and DNS

Configure the network by Network Manager:



Note: Please remember to choose two options:

- ? Connect automatically
- ? Available to all users

Click "Apply", save and exit, and restart your network services:

# Service network restart

\* 3. Validate these profiles:

a) Check gateway: # vim / etc / sysconfig / network

NETWORKING=yes

HOSTNAME=dtop5.dn.ws.com

GATEWAY=172.28.10.1

b) Check Host Name: # vim /etc/hosts

**172.28.10.5 dtop5.dn.ws.com dtop5 # Added by NetworkManager**

**127.0.0.1 localhost.localdomain localhost**

**::1 dtop.dn.ws.com dtop5 localhost6.localdomain6 localhost6**

c) Check DNS: # vim /etc/resolv.conf

# Generated by NetworkManager

Search dn.ws.com

Nameserver 172.28.10.1

d) Check Gateway: # vim /etc/sysconfig/network-scripts/ifcfg-eth0

```
DEVICE="eth0"  
NM_CONTROLLED="yes"  
ONBOOT=yes  
TYPE=Ethernet  
BOOTPROTO=none  
IPADDR=172.28.10.5  
PREFIX=24  
GATEWAY=172.28.10.1  
DNS1=172.28.10.1  
DOMAIN=dn.ws.com  
DEFROUTE=yes  
IPV4_FAILURE_FATAL=yes  
IPV6INIT=no  
NAME="System eth0"  
UUID=5fb06bd0-0bb0-7ffb-45f1-d6edd65f3e03  
HWADDR=00:0c:29:0E:A6:C8
```

#### NEW QUESTION 12

CORRECT TEXT

Make on /archive directory that only the user owner and group owner member can fully access.

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

? chmod 770 /archive

? Verify using : ls -ld /archive Preview should be like:

```
drwxrwx--- 2 root sysuser 4096 Mar 16 18:08 /archive
```

To change the permission on directory we use the chmod command. According to the question that only the owner user (root) and group member (sysuser) can fully access the directory so: chmod 770 /archive

#### NEW QUESTION 13

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 18

CORRECT TEXT

According the following requirements to create user, user group and the group members:

- A group named admin.
  - A user named mary, and belong to admin as the secondary group.
  - A user named alice, and belong to admin as the secondary group.
  - A user named bobby, bobby's login shell should be non-interactive. Bobby not belong to admin as the secondary group.
- Mary, Alice, bobby users must be set "password" as the user's password.

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

```
groupadd admin
useradd -G admin mary
useradd -G admin alice
useradd -s /sbin/nologin bobby
echo "password" | passwd --stdin mary
echo "password" | passwd --stdin alice
echo "password" | passwd --stdin bobby
```

#### NEW QUESTION 21

CORRECT TEXT

Create a new logical volume according to the following requirements:

The logical volume is named database and belongs to the datastore volume group and has a size of 50 extents.

Logical volumes in the datastore volume group should have an extent size of 16 MB. Format the new logical volume with a ext3 filesystem.

The logical volume should be automatically mounted under /mnt/database at system boot time.

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

```
fdisk -cu /dev/vda
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
```

#### NEW QUESTION 24

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 29

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 34

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](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 35

CORRECT TEXT

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 39

CORRECT TEXT

Please open the ip\_forward, and take effect permanently.

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

```
? vim /etc/sysctl.conf net.ipv4.ip_forward = 1
```

```
? sysctl -w (takes effect immediately)
```

If no "sysctl.conf" option, use these commands:

```
? sysctl -a |grep net.ipv4
```

```
? sysctl -P net.ipv4.ip_forward = 1
```

```
? sysctl -w
```

#### NEW QUESTION 42

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 43

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 l
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 46**

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 50**

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/ldpauser11 :wq!
#service autofs restart
? service autofs reload
? chkconfig autofs on
? su -ldapuser11
Login ldapuser with home directory
# exit
```

**NEW QUESTION 55**

CORRECT TEXT

Create a collaborative directory/home/admins with the following characteristics: Group ownership of /home/admins is adminuser The directory should be readable, writable, and accessible to members of adminuser, but not to any other user. (It is understood that root has access to all files and directories on the system.) Files created in /home/admins automatically have group ownership set to the adminuser group

- 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 57**

CORRECT TEXT

Download the document from `ftp://instructor.example.com/pub/testfile`, find all lines containing [abcde] and redirect to /MNT/answer document, then rearrange the order according the original content.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

```
Download the file to /tmp first
grep [abcde] /tmp/testfile > /mnt/answer
```

**NEW QUESTION 60**

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 swap space 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 65**

CORRECT TEXT

Copy /etc/fstab document to /var/TMP directory. According the following requirements to configure the permission of this document.  
 ? The owner of this document must be root.  
 ? This document belongs to root group.  
 ? User mary have read and write permissions for this document.  
 ? User alice have read and execute permissions for this document.  
 ? Create user named bob, set uid is 1000. Bob have read and write permissions for this document.  
 ? All users has read permission for this document in the system.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

```
cp /etc/fstab /var/tmp
chown root:root /var/tmp/fstab
chmod a-x /var/tmp/fstab
setfacl -m u:mary:rw /var/tmp/fstab
setfacl -m u:alice:rx /var/tmp/fstab
useradd -u 1000 bob
```

**NEW QUESTION 70**

CORRECT TEXT

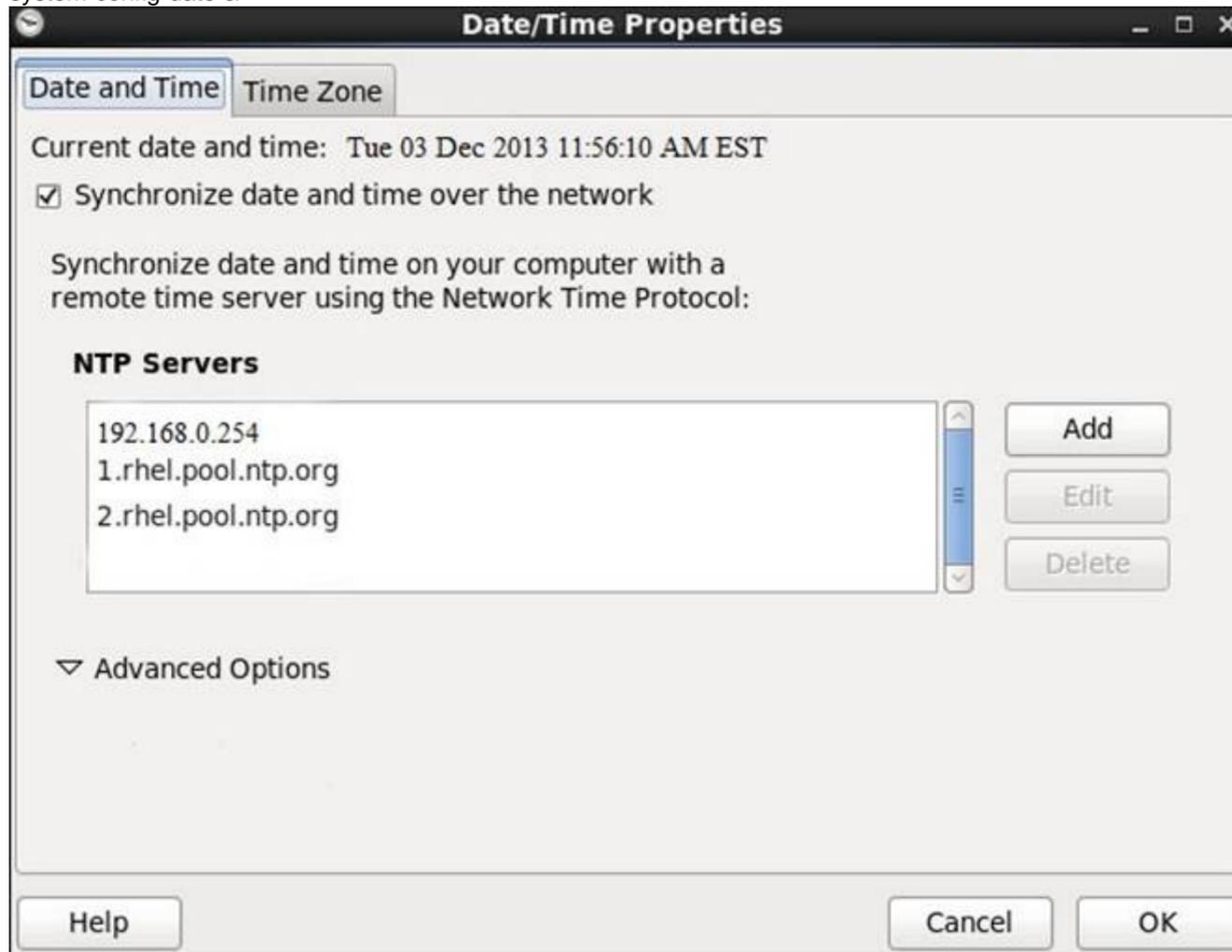
Configure the NTP service in your system.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

system-config-date &



**NEW QUESTION 72**

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 77**

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 79**

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
```

```
systemctlrestart crond
```

**NEW QUESTION 80**

CORRECT TEXT

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 84

CORRECT TEXT

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 85

CORRECT TEXT

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

- \* a. when user try to access, automatically should mount
- \* b. when user doesn't use mounted directory should unmount automatically after 50 seconds.
- \* c. shared directory should mount on /mnt/data on your machine.

- 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 88

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 92

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 94

CORRECT TEXT

One Package named zsh is dump on ftp://server1.example.com under /pub/updates directory and your FTP server is 192.168.0.254. Install the package zsh.

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

```
? rpm -ivh ftp://server1/example.com/pub/updates/zsh-* or
? Login to ftp server : ftp ftp://server1.example.com using anonymous user.
? Change the directory: cd pub and cd updates
? Download the package: mget zsh-*
? Quit from the ftp prompt : bye
? Install the package
? rpm -ivh zsh-*
? Verify either package is installed or not : rpm -q zsh
```

#### NEW QUESTION 96

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 100

CORRECT TEXT

Part 1 (on Node1 Server)

Task 13 [Archiving and Transferring Files & SELinux]

Create a backup file named /root/backup.tar.bz2. The backup file should contain the content of /usr/local and should be zipped with bzip2 compression format. Furthermore, ensure SELinux is in enforcing mode. If it is not, change SELinux to enforcing mode.

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

```
*
[root@node1 ~]# tar cvf /root/backup.tar /usr/local/
tar: Removing leading `/' from member names
/usr/local/
/usr/local/bin/
/usr/local/etc/ [root@node1 ~]# ls
backup.tar
[root@node1 ~]# file backup.tar
backup.tar: POSIX tar archive (GNU)
[root@node1 ~]# bzip2 backup.tar
[root@node1 ~]# ls
backup.tar.bz2
[root@node1 ~]# file backup.tar.bz2
backup.tar.bz2: bzip2 compressed data, block size = 900k
•
[root@node1 ~]# sestatus
SELinux status: enabled
[root@node1 ~]# cat /etc/selinux/config
SELINUX=enforcing
SELINUXTYPE=targeted
[root@node1 ~]# reboot
### For Checking ###
[root@node1 ~]# sestatus
SELinux status: enabled
```

#### NEW QUESTION 104

CORRECT TEXT

Create a backup file named /root/backup.tar.bz2, which contains the contents of /usr/local, bar must use the bzip2 compression.

- 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/
```

**NEW QUESTION 109**

CORRECT TEXT

There is a local logical volumes in your system, named with common and belong to VGSRV volume group, mount to the /common directory. The definition of size is 128 MB.

Requirement:

Extend the logical volume to 190 MB without any loss of data. The size is allowed between 160-160 MB after extending.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

```
lvextend -L 190M /dev/mapper/vgsrv-common resize2fs /dev/mapper/vgsrv-common
```

**NEW QUESTION 111**

CORRECT TEXT

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 112**

CORRECT TEXT

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 116**

CORRECT TEXT

Find the rows that contain abcde from file /etc/testfile, and write it to the file/tmp/testfile, and the sequence is requested as the same as /etc/testfile.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

```
# cat /etc/testfile | while read line;
do
echo $line | grep abcde | tee -a /tmp/testfile
done
```

OR  
 grep `abcde` /etc/testfile > /tmp/testfile

**NEW QUESTION 119**

CORRECT TEXT

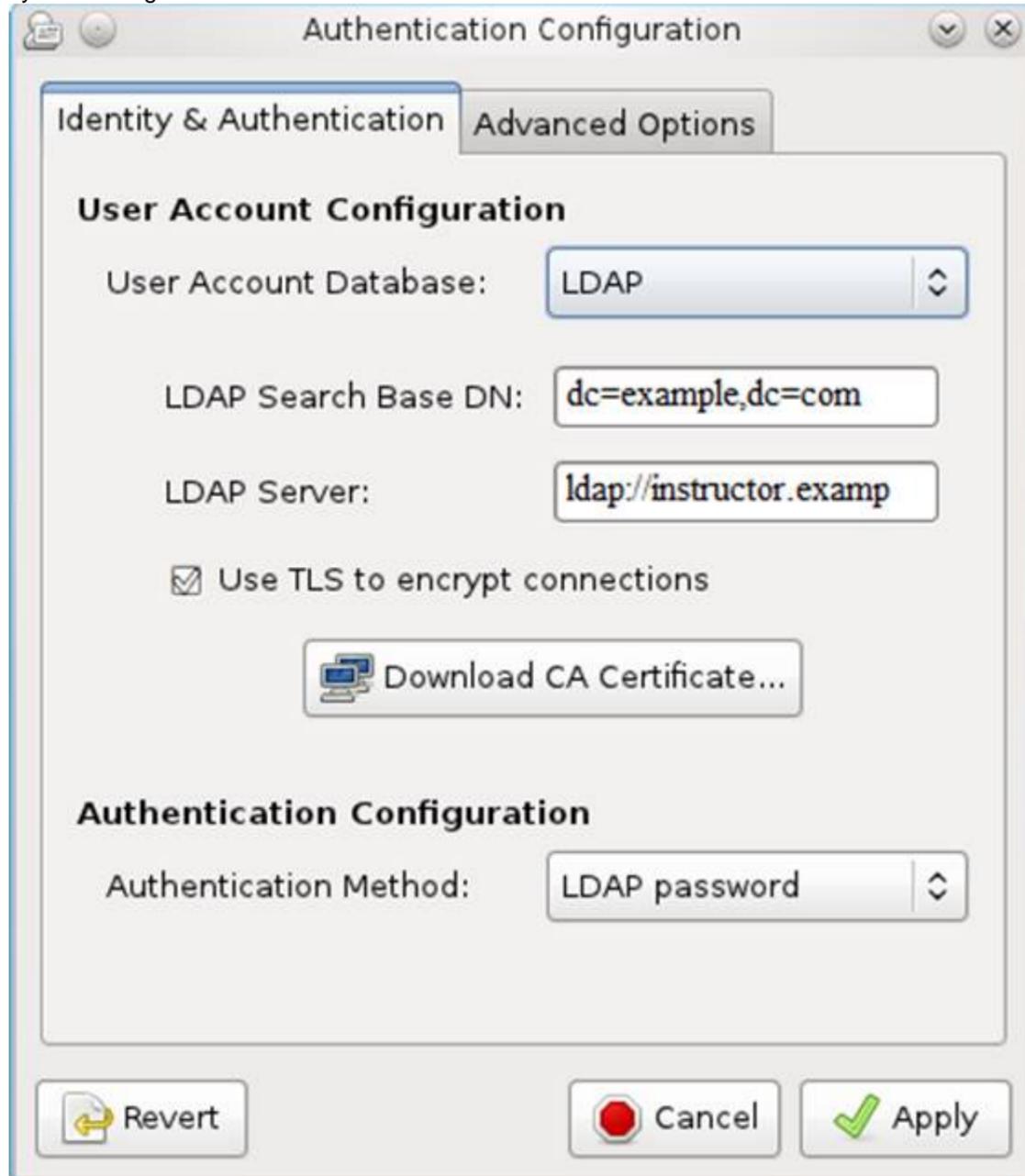
The user authentication has been provided by ldap domain in 192.168.0.254. According the following requirements to get ldapuser.  
 -LdapuserX must be able to login your system, X is your hostname number. But the ldapuser's home directory cannot be mounted, until you realize automatically mount by autofs server.  
 - All ldap user's password is "password".

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

system-config-authentication &



**NEW QUESTION 123**

CORRECT TEXT

SIMULATION

Add an additional swap partition of 754 MB to your system.  
 The swap partition should automatically mount when your system boots.  
 Do not remove or otherwise alter any existing swap partitions on your system.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

```
? fdisk -l
? fdisk -cu /dev/vda
p n
e or p select e
default (first): enter
default (last): enter n
default(first): enter
default(first): +754M t (1-5)
l: 82 p
```

```
w #reboot
#mkswap /dev/vda5
? vim /etc/fstab
/dev/vda5 swap swap defaults 0 0
wq
? mount -a
? swapon -a
? swapon -s
```

#### NEW QUESTION 125

CORRECT TEXT

There are two different networks, 192.168.0.0/24 and 192.168.1.0/24. Your System is in 192.168.0.0/24 Network. One RHEL6 Installed System is going to use as a Router. All required configuration is already done on Linux Server. Where 192.168.0.254 and 192.168.1.254 IP Address are assigned on that Server. How will make successfully ping to 192.168.1.0/24 Network's Host?

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

```
? vi /etc/sysconfig/network GATEWAY=192.168.0.254
OR
```

```
vi /etc/sysconf/network-scripts/ifcfg-eth0 DEVICE=eth0
```

```
BOOTPROTO=static
```

```
ONBOOT=yes
```

```
IPADDR=192.168.0.?
```

```
NETMASK=255.255.255.0
```

```
GATEWAY=192.168.0.254
```

```
? service network restart
```

Gateway defines the way to exit the packets. According to question System working as a router for two networks have IP Address 192.168.0.254 and 192.168.1.254.

#### NEW QUESTION 130

CORRECT TEXT

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 135

CORRECT TEXT

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-data1v 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 140

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 145

CORRECT TEXT

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/sysconfig/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 147

CORRECT TEXT

Part 2 (on Node2 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
repo id repo name
AppStream AppStream
BaseOS BaseOS
[root@node1 ~]# yum list all
```

#### NEW QUESTION 150

CORRECT TEXT

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 152

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 154

CORRECT TEXT

Your System is configured in 192.168.0.0/24 Network and your nameserver is 192.168.0.254. Make successfully resolve to server1.example.com.

A. Mastered

B. Not Mastered

**Answer: A**

#### Explanation:

nameserver is specified in question,

\* 1. Vi /etc/resolv.conf

```
nameserver 192.168.0.254
```

\* 2. host server1.example.com

### NEW QUESTION 157

CORRECT TEXT

Part 1 (on Node1 Server)

Task 8 [Managing Local Users and Groups]

Create a user fred with a user ID 3945. Give the password as iamredhatman

A. Mastered

B. Not Mastered

**Answer: A**

#### Explanation:

\*

```
[root@node1 ~]# useradd -u 3945 fred
```

```
[root@node1 ~]# echo "iamredhatman" | passwd --stdin fred
```

Changing password for user fred.

```
passwd: all authentication tokens updated successfully
```

### NEW QUESTION 161

CORRECT TEXT

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 166

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 167

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 168

CORRECT TEXT

Configure iptables, there are two domains in the network, the address of local domain is 172.24.0.0/16 other domain is 172.25.0.0/16, now refuse domain 172.25.0.0/16 to access the server.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

```
below
? iptables -F
? service iptables save
? iptables -A INPUT -s 172.25.0.0/16 -j REJECT
? service iptables save
? service iptables restart
```

#### NEW QUESTION 169

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 170**

CORRECT TEXT

Adjust the size of the Logical Volume.

Adjust the size of the vo Logical Volume, its file system size should be 290M. Make sure that the content of this system is complete.

Note: the partition size is rarely accurate to the same size as required, so in the range 270M to 320M is acceptable.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

```
Addition
df -hT
lvextend -L +100M /dev/vg0/vo
Lvscan
xfs_growfs /home/ //home is the mounted directory of the LVM, this step just need to do in the practice environment, and test EXT4 does not need this step.
resize2fs /dev/vg0/vo// use this command to update in examination.
df -hT
OR
Subtraction
e2fsck -f/dev/vg0/vo
umount /home
resize2fs /dev/vg0/vo // the final required partition capacity is 100M lvreduce -l 100M
/dev/vg0/vo
mount /dev/vg0/vo/home
df -hT
```

**NEW QUESTION 172**

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 173**

CORRECT TEXT

Configure your NFS services. Share the directory by the NFS Shared services.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

```
/etc/init.d/rpcbind start
/etc/init.d/nfslock start
/etc/init.d/nfs start
```

```
chkconfig rpcbind on
chkconfig nfslock on
chkconfig nfs on
showmount -e localhost
```

**NEW QUESTION 178**

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 182**

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 187**

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