

EX200 Dumps

EX200 Red Hat Certified System Administrator (RHCSA) Exam

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NEW QUESTION 1

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

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 3

Create a 512M partition, make it as ext4 file system, mounted automatically under /mnt/data and which take effect automatically at boot-start.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

```
# fdisk /dev/vda
n
+512M
w
# partprobe /dev/vda
# mkfs -t ext4 /dev/vda5
# mkdir -p /data
# vim /etc/fstab
/dev/vda5 /data ext4 defaults 0 0
# mount -a
```

NEW QUESTION 4

Configure the FTP service in your system, allow remote access to anonymous login and download the program by this service. Service is still running after system rebooting.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

```
yum install vsftpd
/etc/init.d/vsftpd start
chkconfig vsftpd on
```

NEW QUESTION 5

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 6

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 7

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 8

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 9

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:

see explanation below.

```
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 10

Configure NTP.

Configure NTP service, Synchronize the server time, NTP server: classroom.example.com

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Configure the client:

```
Yum -y install chrony
Vim /etc/chrony.conf
Add: server classroom.example.com iburst
Start: systemctl enable chronyd
systemctl restart chronyd
Validate: timedatectl status
```

NEW QUESTION 10

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

see explanation below.

```
/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 11

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:

Editing System eth0

Connection name: System eth0

☒ Connect automatically

Wired 802.1x Security **IPv4 Settings** IPv6 Settings

Method: Manual

Addresses

Address	Netmask	Gateway
172.28.10.5	255.255.255.0	172.28.10.1

DNS servers: 172.28.10.1

Search domains: dn.ws.com

DHCP client ID:

☒ Require IPv4 addressing for this connection to complete

Routes...

☒ Available to all users

Cancel Apply...

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 14

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
```

```
cd /etc/auto.master
```

```
/home/rehome/etc/auto.ldap
```

Keep then exit

```
cp /etc/auto.misc /etc/auto.ldap
```

```
cd /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 17

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 19

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

pvccreate /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 24

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 25

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 26

Search a String

Find out all the columns that contains the string seismic within /usr/share/dict/words, then copy all these columns to /root/lines.tx in original order, there is no blank line, all columns must be the accurate copy of the original columns.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

grep seismic /usr/share/dict/words> /root/lines.txt

NEW QUESTION 31

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

see explanation below.

```
# 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 35

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 36

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 40

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 41

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 46

Create one partitions having size 100MB and mount it on data.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

```
1. Use fdisk /dev/hda to create new partition.
2. Type n For New partitions.
3. It will ask for Logical or Primary Partitions. Press l for logical.
4. It will ask for the Starting Cylinder: Use the Default by pressing Enter Key.
5. Type the Size: +100M you can specify either Last cylinder of size here.
6. Press P to verify the partitions lists and remember the partitions name.
7. Press w to write on partitions table.
8. Either Reboot or use partprobe command.
9. Use mkfs -t ext3 /dev/hda?
OR
mke2fs -j /dev/hda? To create ext3 filesystem.
vi /etc/fstab
Write:
/dev/hda? /data ext3 defaults 1 2
Verify by mounting on current Sessions also: mount /dev/hda? /data
```

NEW QUESTION 48

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 51

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 52

Make a swap partition having 100MB. Make Automatically Usable at System Boot Time.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

see explanation below.

- ▶ Use fdisk /dev/hda ->To create new partition.
- ▶ Type n-> For New partition
- ▶ It will ask for Logical or Primary Partitions. Press l for logical.
- ▶ It will ask for the Starting Cylinder: Use the Default by pressing Enter Key.
- ▶ Type the Size: +100M ->You can Specify either Last cylinder of Size here.
- ▶ Press P to verify the partitions lists and remember the partitions name. Default System ID is 83 that means Linux Native.
- ▶ Type t to change the System ID of partition.
- ▶ Type Partition Number
- ▶ Type 82 that means Linux Swap.
- ▶ Press w to write on partitions table.
- ▶ Either Reboot or use partprobe command.
- ▶ mkswap /dev/hda? ->To create Swap File system on partition.
- ▶ swapon /dev/hda? ->To enable the Swap space from partition.
- ▶ free -m ->Verify Either Swap is enabled or not.
- ▶ vi /etc/fstab/dev/hda? swap swap defaults 0 0
- ▶ Reboot the System and verify that swap is automatically enabled or not.

NEW QUESTION 53

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

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 59

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 64

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 67

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 68

Create a user alex with a userid of 3400. The password for this user should be redhat.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

```
➤ useradd -u 3400 alex
➤ passwd alex
➤ su -alex
```

NEW QUESTION 69

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