Red-Hat

Exam Questions EX200

EX200 Red Hat Certified System Administrator (RHCSA) Exam

NEW QUESTION 1
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 2
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 3
There are two different networks 192.168.0.0/24 and 192.168.1.0/24. Where 192.168.0.254 and 192.168.1.254 IP Address are assigned on Server. Verify your network settings by pinging 192.168.1.0/24
Network's Host.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

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

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

A. Mastered
B. Not Mastered

Answer: A

Explanation:

▶ echo "1" >/proc/sys/net/ipv4/ip_forward

▶ vi /etc/sysctl.conf

net.ipv4.ip_forward = 1

If you want to use the Linux System as a Router to make communication between different networks, you need enable the IP forwarding. To enable on running session just set value 1 to

/proc/sys/net/ipv4/ip_forward. As well as automatically turn on the IP forwarding features on next boot set on /etc/sysctl.conf file.

NEW QUESTION 6

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 7

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 8

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 9

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 10

Successfully resolve to server1.example.com where your DNS server is 172.24.254.254.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

vi /etc/resolv.conf
nameserver 172.24.254.254

host server1.example.com
On every clients, DNS server is specified in /etc/resolv.conf. When you request by name it tries to resolv from DNS server.

NEW QUESTION 10
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)
1: 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 12
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 16
Add 3 users: harry, natasha, tom.
The requirements: The Additional group of the two users: harry, Natasha is the admin group. The user: tom's login shell should be non-interactive.

A. Mastered
B. Not Mastered

Answer: A

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

NEW QUESTION 18
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 19
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 23
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 28
Add admin group and set gid=600

A. Mastered
B. Not Mastered

Answer: A

Explanation:
groupadd -g 600 admin

NEW QUESTION 33
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 38
Configure a task: plan to run echo hello command at 14:23 every day.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
which echo
crontab -e
23 14 * * * /bin/echo hello
crontab -l (Verify)

NEW QUESTION 39
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 43
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 46
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 49
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 54
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 55
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 57
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
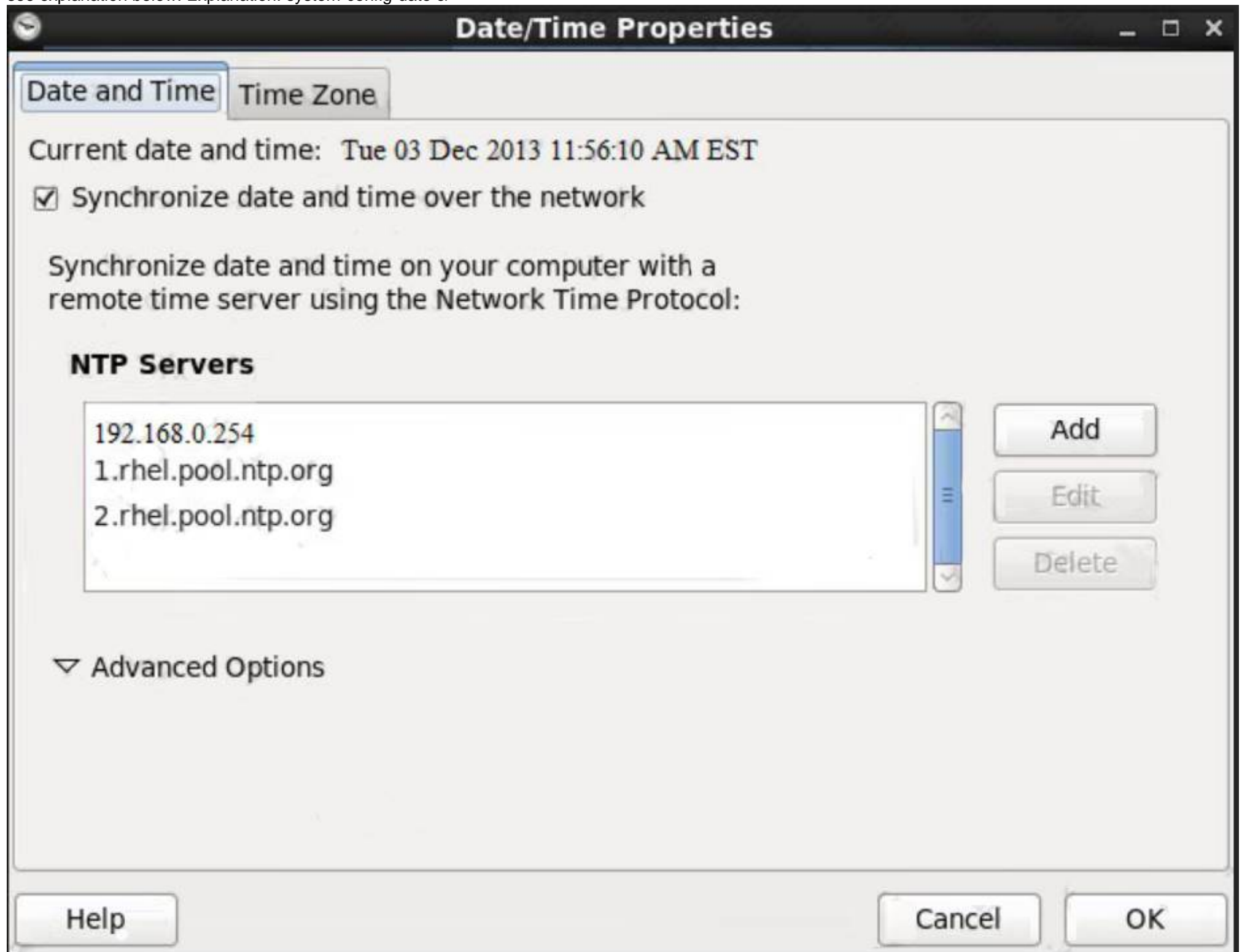/dev/vdaxswapswapdefaults0 0

mount -a

NEW QUESTION 60
Configure the NTP service in your system.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
see explanation below. Explanation: system-config-date &

NEW QUESTION 63
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 68
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 71
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 75
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 76
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 81
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 82
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