

Looking for Real Exam Questions for IT Certification Exams!

We guarantee you can pass any IT certification exam at your first attempt with just 10-12 hours study of our guides.

Our study guides contain actual exam questions; accurate answers with detailed explanation verified by experts and all graphics and drag-n-drop exhibits shown just as on the real test.

To test the quality of our guides, you can download the one-fourth portion of any guide from <http://www.certificationking.com> absolutely free. You can also download the guides for retired exams that you might have taken in the past.

For pricing and placing order, please visit <http://certificationking.com/order.html>

We accept all major credit cards through www.paypal.com

For other payment options and any further query, feel free to mail us at info@certificationking.com

Question: 1

SIMULATION

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

Answer: See explanation below.

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)

Question: 2

SIMULATION

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.

Answer: See explanation below.

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
```

Question: 3

SIMULATION

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.

Answer: See explanation below.

Explanation: # cd /home/
mkdir admins /
chown .admin admins/
chmod 770 admins/
chmod g+s admins/

Question: 4

SIMULATION

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

Answer: See explanation below.

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

Question: 5

SIMULATION

Find the files owned by harry, and copy it to catalog: /opt/dir

Answer: See explanation below.

Explanation: # cd /opt/

mkdir dir

find / -user harry -exec cp -rfp {} /opt/dir/ \;

Question: 6

SIMULATION

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.

Answer: See explanation below.

Explanation: # cat /etc/testfile | while read line;

do

echo \$line | grep abcde | tee -a /tmp/testfile

done

OR

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

Question: 7

SIMULATION

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

Answer: See explanation below.

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

|

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)

Question: 8

SIMULATION

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

Answer: See explanation below.

Explanation: # useradd -u 1234 alex

passwd alex

alex111

alex111

OR

echo alex111|passwd -stdin alex

Question: 9

SIMULATION

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.)

Answer: See explanation below.

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

Question: 10

SIMULATION

Configure a HTTP server, which can be accessed through

<http://station.domain40.example.com>.

Please download the released page from <http://ip/dir/example.html>.

Answer: See explanation below.

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

Question: 11

SIMULATION

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.

Answer: See explanation below.

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

Question: 12

SIMULATION

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.

Answer: See explanation below.

Explanation: # chkconfig autofs on

cd /etc/

vim /etc/auto.master

/rhome /etc/auto.ldap

cp auto.misc auto.ldap

vim auto.ldap

```
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 - ldapuser40
```

Question: 13

SIMULATION

Configure the system synchronous as 172.24.40.10.

Answer: See explanation below.

Explanation: Graphical Interfaces:

System-->Administration-->Date & Time

OR

system-config-date

Question: 14

SIMULATION

Change the logical volume capacity named vo from 190M to 300M. and the size of the floating range should set between 280 and 320. (This logical volume has been mounted in advance.)

Answer: See explanation below.

Explanation: # vgdisplay

(Check the capacity of vg, if the capacity is not enough, need to create pv , vgextend , lvextend)

lvdisplay (Check lv)

lvextend -L +110M /dev/vg2/lv2

resize2fs /dev/vg2/lv2

mount -a

(Verify)

(Decrease lvm)
umount /media
fsck -f /dev/vg2/lv2
resize2fs -f /dev/vg2/lv2 100M
lvreduce -L 100M /dev/vg2/lv2
mount -a
lvm display (Verify)
OR
e2fsck -f /dev/vg1/lvm02
resize2fs -f /dev/vg1/lvm02
mount /dev/vg1/lvm01 /mnt
lvreduce -L 1G -n /dev/vg1/lvm02
lvm display (Verify)

Question: 15

SIMULATION

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.

Answer: See explanation below.

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=xxxxxxx /mnt/data ext4 defaults 0 0
vim /etc/fstab
mount -a
mount
(Verify)

Question: 16

SIMULATION

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

Answer: See explanation below.

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

Question: 17

SIMULATION

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

Answer: See explanation below.

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

Question: 18

SIMULATION

Create a volume group, and set 8M as a extends. Divided a volume group containing 50 extends on volume group lv (lvshare), make it as ext4 file

system, and mounted automatically under /mnt/data. And the size of the floating range should set between 380M and 400M.

Answer: See explanation below.

Explanation: # fdisk
partprobe
pvcreate /dev/vda6
vgcreate -s 8M vg1 /dev/vda6 -s
lvcreate -n lvshare -l 50 vg1 -l
mkfs.ext4 /dev/vg1/lvshare
mkdir -p /mnt/data
vim /etc/fstab
/dev/vg1/lvshare /mnt/data ext4 defaults 0 0
mount -a
df -h

Question: 19

SIMULATION

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.

Answer: See explanation below.

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

Question: 20

SIMULATION

Add admin group and set gid=600

Answer: See explanation below.

Explanation: # groupadd -g 600 admin

Question: 21

SIMULATION

Add user: user1, set uid=601

Password: redhat

The user's login shell should be non-interactive.

Answer: See explanation below.

Explanation: # useradd -u 601 -s /sbin/nologin user1

passwd user1

redhat

Question: 22

SIMULATION

Add users: user2, user3.

The Additional group of the two users: user2, user3 is the admin group Password: redhat

Answer: See explanation below.

Explanation: # useradd -G admin user2

useradd -G admin user3

passwd user2

redhat

passwd user3

redhat

Question: 23

SIMULATION

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

Answer: See explanation below.

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

Question: 24

SIMULATION

Configure a task: plan to run echo "file" command at 14:23 every day.

Answer: See explanation below.

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"
```

Question: 25

SIMULATION

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.

Answer: See explanation below.

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.

Question: 26

SIMULATION

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.

Answer: See explanation below.

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

Question: 27

SIMULATION

Create User Account.

Create the following user, group and group membership:

Adminuser group

User natasha, using adminuser as a sub group

User Harry, also using adminuser as a sub group

User sarah, can not access the SHELL which is interactive in the system, and is not a member of adminuser, natasha, hary, sarah password is redhat.

Answer: See explanation below.

Explanation: groupadd adminuser

useradd natasha -G adminuser

useradd haryy -G adminuser

useradd sarah -s /sbin/nologin

Passwd user name // to modify password or echo redhat | passwd --stdin user name id

natasha // to view user group.

Question: 28

SIMULATION

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 haryy cannot read and write /var/tmp/fstab

All other users (present and future) can read var/tmp/fstab.

Answer: See explanation below.

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

Question: 29

SIMULATION

Configure a cron Task.

User natasha must configure a cron job, local time 14:23 runs and executes: */bin/echo hiya every day.

Answer: See explanation below.

Explanation: crontab -e -u natasha

23 14/bin/echo hiya

crontab -l -u natasha // view

systemctl enable crond

systemctl restart crond

Question: 30

SIMULATION

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.

Answer: See explanation below.

Explanation: mkdir /home/admins

chgrp -R adminuser /home/admins

chmod g+w /home/admins

chmod g+s /home/admins

Question: 31

SIMULATION

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.

Answer: See explanation below.

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

Question: 32

SIMULATION

Binding to an external validation server.

System server.domain11.example.com provides a LDAP validation service, your system should bind to this service as required:

Base DN of validation service is `dc=example,dc=com`

LDAP is used for providing account information and validation information Connecting and using the certification of `http://server.domain11.example.com/pub/EXAMPLE-CA-CERT` to encrypt

After the correct configuration, `ldapuser1` can log into your system, it does not have HOME directory until you finish autofs questions, `ldapuser1` password is password.

Answer: See explanation below.

Explanation: `yum -y install sssd authconfig-gtk krb5-workstation authconfig-gtk` // open the graphical interface

Modify user account database to ldap, fill up DN and LDAP SERVER as questions required, use TLS to encrypt connections making tick, write `http://server.domain11.example.com/pub/EXAMPLE-CA-CERT` to download ca, authentication method choose ldap password.

You can test if the ldapuser is added by the following command:

`Id ldapuser1`

Note: user password doesn't need to set

Question: 33

SIMULATION

Configure NTP.

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

Answer: See explanation below.

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`

Question: 34

SIMULATION

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