RHCE Q&As

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QUESTION 1

SIMULATION

Deploying your exam system: link to the iscsi target in the instructor.example.com and distinguish it well, then format as ext3 file system. You must be able to mount the file system of the iscsi target to the /mnt/iscsi directory in your own system and make this file system can automatically mount (permanently mount) after system restart.

A. explanation

Correct Answer: A

```
[root@server1 ~]# iscsiadm --mode discoverydb --type sendtargets --portal
instructor.example.com --discover
192.168.0.254:3260,1 iqn.2010-09.com.example:rdisks.server1
[root@server1 ~]# iscsiadm --mode node -targetname
iqn.2010-09.com.example:rdisks.server1
 --portal instructor.example.com --login
 Logging in to [iface:default, target:
 iqn.2010-09.com.example:rdisks.server1,portal:
 192.168.0.254,3260] (multiple)
 Login to [iface:default, target:
 iqn.2010-09.com.example:rdisks.server1.portal:
 192.168.0.254,3260] successful.
```

Note: This part also needs to be formatted and modify /etc/fstab mount

QUESTION 2

SIMULATION

Please open the ip_forward and take effect permanently.

A. explanation

Correct Answer: A

```
# 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
```

QUESTION 3

SIMULATION

Deploy your SMTP mail service and complete it by the following requirements: -- Your mail service must be able to receive the local and remote mails -- harry must be able to receive the remote mail -- The mail which is delivered to mary should be put into the mail /var/spool/mail/mary

A. explanation

Correct Answer: A

```
Modify /etc/postfix/main.cf, open the following parameters:

inet_interfaces = all
[root@server1 virtual] # /etc/init.d/postfix restart
Shutting down postfix: [OK]
Starting postfix: [OK]
[root@server1 virtual]# chkconfig postfix on
```

QUESTION 4

SIMULATION

RHCE Test Configuration Instructions

Information for the two systems you will use in test is the following:

system1.group3.example.com: is one of the main sever. system2.group3.example.com: mainly used as a client.

Password for both of the two systems is atenorth

System\\'s IP is provided by DHCP, you can regard it as normal, or you can reset to Static IP in accordance with the following requirements:

system1.group3.example.com: 172.24.3.5

system2.group3.example.com: 172.24.3.10

The subnet mask is 255.255.255.0 Your system is a member of DNS domain group3.example.com. All systems in DNS domain group3.example.com are all in subnet 172.24.3.0/255.255.255.0, the same all systems in this subnet are also in

group3.example.com, unless specialized, all network services required to be configured can be accessed by systems of domain group3.

host.group3.example.com provides a centralized authentication service domain

GROUP3.EXAMPLE.COM, both system1 and system2 have already been pre-configured to be the client for this domain, this domain provides the following user account:

```
krishna (password: atenorth)
sergio (password: atenorth)
kaito (password: atenorth)
```

Firewall is enabled by default, you can turn it off when deemed appropriate, other settings about firewall may be in separate requirements.

Your system will be restarted before scoring, so please ensure that all modifications and service configurations you made still can be operated after the restart without manual intervention, virtual machine instances of all examinations must be able to enter the correct multi-user level after restart without manual assistance, it will be scored zero if the test using virtual machine system cannot be restarted or be properly restarted.

Corresponding distribution packages for the testing using operating system Red Hat Enterprise Linux version can be found in the following link: http://server1.group3.example.com/rhel

Part of the requirements include host security, ensure your host security limit does not prevent the request to allow the host and network, although you correctly configured the network service but would have to allow the host or network is blocked, this also does not score.

You will notice that some requirements which clearly do not allow services be accessed by service domain my133t.org, systems of this domain are in subnet 172.25.1.0/252.255.255.0, and systems of these subnets also belong to my 133t.org domain.

PS: Notice that some test questions may depend on other exam questions, for example, you might be asked to perform a series of restrictions on a user, but this user creation may be required in other questions. For convenient identification, each exam question has some radio buttons to help you identify which questions you have already completed or not completed. Certainly, you do not need to care these buttons if you don\\'t need them.

Create a script to add users

Create a script named /root/mkusers on the system1, this script can achieve to add local users for the system1, and user names of these users are all from a file which contains the usernames list, and meet the following requirements at the same time:

1.

This script is required to provide a parameter; this parameter is the file which contains the usernames list

2.

This script need provide the following message: Usage /root/mkusers if it does not provide a parameter, then exit and return the corresponding value

3.

This script need provide the following message: Input file not found if it provides a name that does not exist, then exit and return the corresponding value

4.

Create a user shell log into /bin/false

5.

This script does not need to set password for users

6.

You can get the usernames list from the following URL as a test: http://rhgls. domain11.example.com/materials/ userlist

A. explanation

Correct Answer: A

```
vim mkusers.sh      // Please note the white space
#! /bin/bash
if [ $# -eq 0 ];then
    echo 'Usage:/root/mkusers'
    exit 1
fi
if [ ! -f $1 ]; then

    echo 'Input file not found'
    exit
fi
while read line
do
    useradd -s /bin/false $line
done < $1
:wq
chmod  +x  mkusers.sh
wget http://rhgls.domain11.example.com/materials/userlist
./mkusers.sh userlist
id username  // Check whether the user is added
// Then check the result whether meet the requirements of the subject
```

QUESTION 5

SIMULATION

There were two systems: system1, main system on which most of the configuration take place system2, some configuration here

Virtual hosting. Setup a virtual host with an alternate document root. Extend your web to include a virtual for the site http://vhostsX.example.com Set the document root as /usr/local/vhosts Download http://station.network0.example.com/pub/rhce/vhost/html Rename it as index.html Place this document root of the virtual host Note: the other websites configures for your server must still accessible. vhosts.networkX.example.com is already provided by the name server on example.com

A. explanation

Correct Answer: A

Check that the mentioned document root exists by:

```
cd /usr/local/vhosts
```

If it doesn't exist then create it:

```
mkdir /usr/local/vhosts

cd /usr/local/vhosts
wget http://station.network0.example.com/pub/rhce/vhost.html
mv vhost.html index.html

semanage fcontext -a -t httpd_sys_content_t "/usr/local/vhosts(/.*)?"
restorecon -Rv /usr/local/vhosts/
```

Create the configuration of new virtual host:

```
vim /etc/httpd/conf.d/vhosts.conf

<VirtualHost *:80>
ServerAdmin webmaster@vhosts1.example.com
ServerName vhosts1.example.com
DocumentRoot /usr/local/vhosts
CustomLog "logs/vhosts_access_log" combined
ErrorLog "logs/vhosts_error_log"
</VirtualHost>

<Directory "/usr/local/vhosts">
AllowOverride None
# Allow open access:
Require all granted
</Directory>

systemctl restart httpd
```