



EX300^{Q&As}

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QUESTION 1

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

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

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.



Configure the iSCSI Server

Configure the system1 to provide a iSCSI service disk named iqn.201409.com.example.domain11:system1 and meet the following requirements at the same time:

1.

The Server Port is 3260

2.

Use iSCSI-store as its back-end volume, its size is 3G

3.

This service just can be accessed by system2.domian11.example.com

Correct Answer: Please see explanation

Explanation:



```
fdisk /dev/sda
partprobe /dev/sda
yum install -y targetcli\*
targetcli
cd backstores/
block/ create block1 /dev/sda3
cd /iscsi
create ign.2014-09.com.example.domain11:system1
cd ign.2014-09.com.example.domain11:system1/
cd tpg1/
acls/ create ign.2014-09.com.example.domain11:system
luns/ create /backstores/block/block1
portals/ create system1.domain11.example.com
exit
systemctl start target
systemctl enable target
firewall-config
```

Rich Rule

Please enter a rich rule.

For host or network white or blacklisting deactivate the element.

Family:

☒ Element:

☒ Action: ☐ with Type:

☐ With limit: /

Source: ☐ inverted

Destination: ☐ inverted

Prefix:

☐ Log: Level:

☐ With limit: /

☐ Audit: ☐ With limit: /

Cancel

OK



systemctl restart firewalld

QUESTION 2

SIMULATION

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with the following requirements:

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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

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

for this domain, this domain provides the following user account:

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

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Configure Security Web Service

Configure a TLS encryption for the site `http://system1.domain11.example.com`, encrypt/, get a signed certificate from `http://host.domain11.example.com/materials/system1.crt`. Get the certificate key from `http://host.domain11.example.com/materials/system1.key`. Get the signature authorization information of the certificate from `http://host.domain11.example.com/materials/domain11.crt`

Correct Answer: Please see explanation

Explanation:

QUESTION 3

SIMULATION

One Logical Volume is created named as `myvol` under `vo` volume group and is mounted. The Initial Size of that Logical Volume is 400MB. Make successfully that the size of Logical Volume 200MB without losing any data. The size of logical volume 200MB to 210MB will be acceptable.

Correct Answer: Please see explanation

Explanation:

```
1. First check the size of Logical Volume: lvdisplay /dev/vo/myvol
2. Make sure that the filesystem is in a consistent state before
   reducing:
# fsck -f /dev/vo/myvol
3. Now reduce the filesystem by 200MB.
# resize2fs /dev/vo/myvol 200M
4. It is now possible to reduce the logical volume.
# lvreduce /dev/vo/myvol -L 200M
4. Verify the Size of Logical Volume: lvdisplay /dev/vo/myvol
5. Verify that the size comes in online or not: df -h
```

QUESTION 4

SIMULATION Please open the `ip_forward` and take effect permanently.

Correct Answer: Please see explanation

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
```

QUESTION 5

SIMULATION

RHCE Test Configuration Instructions

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Configure the Access to the Web Content

Create a directory private under the directory DocumentRoot in the web server on the system1, requirements are the following:

Download a file copy to this directory from <http://rhgls.domain11.example.com/materials/private.html>

and rename it as index.html.

Don't make any changes to this file content

Any users from the system1 can browse the content of the private, but cannot access this directory content through other systems

Correct Answer: Please see explanation

Explanation:



```
mkdir /var/www/virtual/private
mkdir /var/www/html/private
cd /var/www/virtual/private
wget -O index.html
http://rhgls.domain11.example.com/materials/private.html
cd /var/www/html/private
wget -O index.html
http://rhgls.domain11.example.com/materials/private.html
<Directory "/var/www/html/private">
    AllowOverride none
    Require all denied
    Require local
</Directory>
<Directory "/var/www/virtual/private">
    AllowOverride none
    Require local
    Require all denied
</Directory>
```

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