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QUESTION 1

SIMULATION

You are working as an Administrator. There is a common data shared (/data) from 192.168.0.254 to all users in your local LAN. When user's system start, shared data should automatically mount on /common directory.

Correct Answer: Please see explanation

Explanation:

To automatically mount at boot time, we use the /etc/fstab file. Because /etc/rc.d/rc.sysinit file reads and mounts all file system specified in /etc/fstab. To mount Network Sharing Files also use the /etc/fstab but filesystem is nfs.

```
1. vi /etc/fstab
192.168.0.254:/data / common nfs defaults 0 0
2. reboot the system.
```

QUESTION 2

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.

Dynamic WEB content

Configure dynamic web content to provide on the system1, as required:

Dynamic content provided by a virtual machine named dynamic.domain11.example.com

Virtual host listening on port 8909

Download a script from <http://rhgls.domain11.example.com/materials/webapp.wsgi>, then put it in the right place, don't modify the file content in any situations

Dynamically generated web page should be received when clients access <http://dynamic.domain11example.com:8909>.

dynamic.domain11example.com:8909.

This <http://dynamic.domain11.example.com:8909/> must be able to be accessed by all system of

domain11.example.com

Correct Answer: Please see explanation

Explanation:



```
yum -y install mod_wsgi
vim /etc/httpd/conf/httpd.conf
Listen 80
Listen 8909
    <virtualhost *:8909>
        servername dynamic.domain11.example.com
WSGIScriptAlias //var/www/html/webapp.wsgi // Please note the uppercase letters
</virtualhost>
cd /var/www/html
wget http://rhgls.domain11.example.com/materials/webapp.wsgi
```


Rich Rule

Please enter a rich rule.

For host or network white or blacklisting deactivate the element.

Family: **ipv4** ▾

☒ Element: **port** ▾

8909/tcp 

☒ Action: **accept** ▾

☐ with Type: **icmp-host-prohibited** ▾

☐ With limit: / **second** ▾

Source **172.24.11.0/24** 

☐ inverted

Destination: 

☐ inverted

Prefix:

☐ Log: Level: **warning** ▾

☐ With limit: / **second** ▾

☐ Audit: ☐ With limit: / **second** ▾

Cancel

OK

```
systemctl restart firewalld
semanage port -a -t http_port_t -p tcp 8909
systemctl restart httpd
```



QUESTION 3

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:

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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.

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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>

Correct Answer: Please see explanation

Explanation:



```
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 4

SIMULATION

RHCE Test Configuration Instructions

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

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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:

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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

```
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.

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.

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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.

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Configure IPV6 Address

Configure interface eth0 on your test system, using the following IPV6 addresses: 1) The address of system1 should be 2003:ac18::305/64

(2)

The address of system2 should be 2003:ac18::30a/64

(3)

Both two systems must be able to communicate with systems in network 2003:ac18/64

(4)

The address must still take effect after restart

(5)



Both two systems must maintain the current Ipv4 address and can communicate

Correct Answer: Please see explanation

Explanation:

```
nmcli con mod eth0 ipv6.addresses "2003:ac18::305/64"
nmcli con mod eth0 ipv6.method manual
systemctl restart network
```

```
nmcli con mod eth0 ipv6.addresses "2003:ac18::30a/64"
nmcli con mod eth0 ipv6.method manual
systemctl restart network
```

```
ping6 2003:ac18::30a
```

QUESTION 5

SIMULATION

There were two systems:

system1, main system on which most of the configuration take place

system2, some configuration here

Configure selinux.

Configure your systems that should be running in Enforcing.

Correct Answer: Please see explanation

Explanation:



```
# vim /etc/selinux/config  
SELINUX=enforcing
```

After reboot and verify with this command

```
# getenforce
```

After reboot and verify with this command

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