



# RHCE<sup>Q&As</sup>

Red Hat Certified Engineer — RHCE

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**QUESTION 1**

## SIMULATION

There were two systems:

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

system2, some configuration here

SSH configuration.

Configure SSH access on your virtual hosts as follows.

Clients within my22ilt.org should NOT have access to ssh on your systems

A. explanation

Correct Answer: A

```
# vim /etc/hosts.deny  
sshd: .my22ilt.org
```

Save and Exit (:wq) Then run this:

```
systemctl restart sshd
```

Optional:

```
systemctl enable sshd  
firewall-cmd --permanent --add-service=ssh  
firewall-cmd --reload
```

**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.

Create a script

Create a script named /root/foo.sh on the system1, make it provide the following characteristics:



1.

When running `/root/foo.sh redhat`, the output is fedora

2.

When running `/root/foo.sh fedora`, the output is redhat

3.

When there is no parameter or parameter is not redhat or fedora, the following information will be generated by the error output: `/root/foo.sh redhat:fedora`

A. explanation

Correct Answer: A

```
cd ~
vim foo.sh
#~/bin/bash
case $1 in
    redhat)
        echo fedora
        ;;
    fedora)
        echo redhat
        ;;
    *)
        echo 'root/foo.sh redhat:fedora'
esac
:wq
chmod +x foo.sh
./foo.sh redhat
./foo.sh fedora
./foo.sh 1
```

---

### QUESTION 3

#### SIMULATION

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



Dynamic Webpage Configuration. Configure website `http://wsgiX.example.com:8961` on system1 with the documentroot `/var/www/scripts` Site should execute `webapp.wsgi` Page is already provided on `http://classroom.example.com/pub/webapp.wsgi` Content of the script should not be modified

A. explanation

Correct Answer: A

```
yum install -y mod_wsgi

mkdir -p /var/www/scripts
cd /var/www/scripts
wget http://classroom.example.com/pub/webapp.wsgi
restorecon -Rv /var/www/scripts

vim /etc/httpd/conf/httpd.conf

Listen 8961

vim /etc/httpd/conf.d/wsgil.conf

<VirtualHost *:8961>
ServerAdmin webmaster@wsgil.example.com
ServerName wsgil.example.com
DocumentRoot /var/www/scripts # We don't need it, only testing
WSGIScriptAlias / /var/www/scripts/webapp.wsgi
CustomLog "logs/wsgi_access_log" combined
ErrorLog "logs/wsgi_error_log"

</VirtualHos>

<Directory "/var/www/scripts">
AllowOverride None
# Allow open access:
Require all granted
</Directory>

firewall-cmd --permanent --add-port=8961/tcp
firewall-cmd --reload

semanage port -a -t http_port_t -p tcp 8961

systemctl status httpd
```

Verification from Server2:

```
yum install -y elinks
links --dump http://wsgil.example.com:8961
Should present with the desired page
```



#### QUESTION 4

##### SIMULATION

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

Webserver. Implement a webserver for the site <http://serverX.example.com> Download the webpage from <http://station.network0.example.com/pub/rhce/rhce.html> Rename the downloaded file in to index.html Copy the file into the document root Do not make any modification with the content of the index.html Clients within my22ilt.org should NOT access the webserver on your systems

A. explanation

Correct Answer: A

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#### QUESTION 5

##### SIMULATION

There were two systems: system1, main system on which most of the configuration take place system2, some configuration here Configure repository. Create a Repository for your virtual machines. The URL is [http://station.network.0.example.com/content/rhel7.0/x86\\_64/dvd](http://station.network.0.example.com/content/rhel7.0/x86_64/dvd)

A. explanation

Correct Answer: A

```
# vim /etc/yum.repos.d/local.repo
```

```
[localrepo]
name = Local Repo for RHCE Exam
baseurl = http://station.network0.example.com/content/rhel7.0/x86_64/dvd
gpgcheck = 0
enabled = 1
```

Save and Exit (:wq) Then run this:

```
# yum clean all
# yum repolist
```