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QUESTION 1

SIMULATION

Configure cron and don't allow the user tom to use.

A. explanation

Correct Answer: A

```
# useradd tom
# vim /etc/cron.deny
tom
```

QUESTION 2

SIMULATION

Configure ssh to allow user harry to access, reject the domain t3gg.com (172.25.0.0/16) to access.

A. explanation

Correct Answer: A



```
# yum install -y sshd
# chkconfig sshd on
# vim /etc/hosts.deny
    sshd: 172.25.0.0/16
# service sshd restart
```

Use iptables:

```
# chkconfig iptables on
# iptables -F
# iptables -X
# iptables -Z
# iptables -nvL
# iptables -A INPUT -s 172.25.0.0/16 -p tcp --dport 22 -j REJECT
# services iptables save
# iptables -nvL
# cat /etc/services (check port)
```

QUESTION 3

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

QUESTION 4

SIMULATION

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



configuration here

Script2. Create a script on serverX called /root/createusers When this script is called with the argument, it should add all the users from the file Download the file from <http://station.network0.example.com/pub/testfile> All users should have the login shell as /bin/false, password not required When this script is called with any other argument, it should print the message as "Input File Not Found" When this script is run without any argument, it should display "Usage:/root/createusers" NOTE: if the users are added no need to delete

A. explanation

Correct Answer: A

```
cd /root
wget [url="http://station.network0.example.com/pub/testfile"]http://station.network0.example.com/pub/testfile{/url}

vim /root/createusers

#!/bin/bash
a=""
case $@ in
testfile)

    for user in $(cat $1);do
    echo "Adding this user:" $user
    useradd -s /bin/false $user
    done
    ;;
$a)
    echo "Usage: /root/createusers"
    ;;
*)
    echo "Input File Not Found"
    ;;
esac

chmod +x /root/createusers
```

QUESTION 5



```
yum install httpd httpd-manual
```

```
systemctl start httpd  
systemctl enable httpd
```

```
firewall-cmd --permanent --add-service=http  
firewall-cmd --reload
```

```
wget http://station.network0.example.com/pub/rhce/rhce.html
```

```
mv rhce.html /var/www/html/index.html
```

```
cd /etc/httpd/conf.d/
```

```
vim server1.conf
```

```
<VirtualHost *:80>  
ServerAdmin webmaster@server1.example.com  
ServerName server1.example.com  
DocumentRoot /var/www/html  
CustomLog "logs/server1_access_log" combined  
ErrorLog "logs/server1_error_log"  
</VirtualHost>
```

```
<Directory "/var/www/html">  
<RequireAll>  
    Require all granted  
    Require not host my22ilt.org  
</RequireAll>  
</Directory>
```

```
systemctl restart httpd
```

SIMULATION

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

Secured webserver. Configure the website <https://serverX.example.com> with TLS SSLCertificate file <http://classroom.example.com/pub/rhce/tls/certs/system1.networkX.crt> SSLCertificatekeyfile <http://classroom.example.com/pub/rhce/tls/private/system1.networkX.key> SSL CA certificate file <http://classroom.example.com/pub/example-ca.crt>

A. explanation

Correct Answer: A



```
yum install -u mod_ssl
```

```
wget http://classroom.example.com/pub/rhce/tls/certs/system1.network1.crt
```

```
wget http://classroom.example.com/pub/rhce/tls/private/system1.network1.key
```

```
wget http://classroom.example.com/pub/example-ca.crt
```

```
mv system1.network1.crt /etc/pki/tls/certs/
```

```
mv system1.network1.key /etc/pki/tls/private/
```

```
mv example-ca.crt /etc/pki/tls/certs/
```

```
# Very Important, Fix the Permission on Key File
```

```
chmod 0600 /etc/pki/tls/private/system1.network1.key
```

```
vim /etc/httpd/conf.d/server1.conf
```

(Add the following)

```
<VirtualHost *:443>
```

```
ServerName server1.example.com
```

```
DocumentRoot /var/www/html
```

```
SSLEngine on
```

```
SSLCertificateFile /etc/pki/tls/certs/localhost.crt
```

```
SSLCertificateKeyFile /etc/pki/tls/private/localhost.key
```

```
#SSLCertificateChainFile /etc/pki/tls/certs/server-chain.crt
```

```
</VirtualHost>
```

```
firewall-cmd --permanent --add-service=https
```

```
firewall-cmd --reload
```

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