EX300^{Q&As}

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Red Hat Certified Engineer (RHCE)

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QUESTION 1

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 2

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

Correct Answer: Please see explanation

Explanation:

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```
# 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

In accordance with the following requirements to deploy ssh login service: harry belongs to example.com which can remote login your systems. However, users of remote.test cannot use ssh login to your machine.

Correct Answer: Please see explanation

Explanation:

```
[root@server1 ~]# grep sshd /etc/hosts.allow
sshd:.example.com
[root@server1 ~]# grep sshd /etc/hosts.deny
sshd:.remote.test
```

Notice:

tcp_wrappers has two configuration files and their priority level is /etc/hosts.allow->/etc/hosts.deny

QUESTION 4

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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: 172.24.3.5system2.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

```
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.

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 Security Web Service

Configure a TLS encryption for the site http://systeml.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 5

SIMULATION

There were two systems:

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

system2, some configuration here

Configure SCSI storage.

Create a new 1 GB target on your serverX.example.com

The block device name should be data_block

The server should export an iscsi disk called iqn.2014-10.com.example:serverX

This target should only be allowed to desktop

Correct Answer: Please see explanation

Explanation:

```
yum install -y targetcli
systemctl start target
systemctl enable target
firewall-cmd --permanent --add-port=3260/tcp
firewall-cmd -reload

#targetcli
backstores/block/create data-block /dev/sdb1
iscsi/ create iqn.2014-10.com.example:server1
cd iscsi/iqn.2014-10.com.example:server1/tpg1/
acls create iqn.2014-10.com.example:desktop1
luns/ create backstores/block/data_block
portals Server_IP(172.25.x.11) 3260
exit
```

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