

EX294^{Q&As}

Red Hat Certified Engineer (RHCE) exam for Red Hat Enterprise Linux
8 Exam

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QUESTION 1

Create a file in /home/sandy/ansible/ called report.yml. Using this playbook, get a file called report.txt (make it look exactly as below). Copy this file over to all remote hosts at /root/report.txt. Then edit the lines in the file to provide the real information of the hosts. If a disk does not exist then write NONE.

report.txt

```
HOST=inventory hostname
MEMORY=total memory in mb
BIOS=bios version
VDA_DISK_SIZE=disk size
VDB_DISK_SIZE=disk size
```

A. Answer: See the for complete Solution below.

Correct Answer: A

Solution as:

```
- name: edit file
  hosts: all
  tasks:
    - name: copy file
      copy: report.txt
      dest: /root/report.txt
    - name: change host
      lineinfile:
        regex: ^HOST
        line: HOST={{ansible_hostname}}
        state: present
        path: /root/report.txt
    - name: change mem
      lineinfile:
        line: MEMORY={{ansible_memtotal_mb}}
        regex: ^MEMORY
        state: present
        path: /root/report.txt
```

```
- name: change bios
  lineinfile:
    line: BIOS={{ansible_bios_version}}
    regex: ^BIOS
    state: present
    path: /root/report.txt
- name: change vda
  lineinfile:
    line: VDA_DISK_SIZE ={%if ansible_devices.vda is defined%}{{ansible_devices.
vda.size}}{%else%}NONE{%endif%}
    regex: ^VDA_DISK_SIZE
    state: present
    path: /root/report.txt
- name: change vdb
  lineinfile:
    line: VDB_DISK_SIZE ={%if ansible_devices.vdb is defined%}{{ansible_devices.
vdb.size}}{%else%}NONE{%endif%}
    regex: ^VDB_DISK_SIZE
    state: present
    path: /root/report.txt
```

QUESTION 2

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

A.

Correct Answer: Please see explanation

QUESTION 3

```
# yum install -y postfix
# service postfix restart
# chkconfig postfix on
# vim /etc/postfix/main.cf
    inet_interfaces = all
    mydestination = example.com, domain30.example.com, localhost
    mynetworks = 172.16.30.0/24, 127.0.0.1/8
# services postfix restart
```

Test:

```
# netstat -tulnp |grep 25
# hostname
# echo hello |mail -s "test"root@example.com
# cat /var/spool/mai/harry
```

Connect to the email server and send email to admin, and it can be received by harry.

A. Answer: See the for complete Solution below.

Correct Answer: A

```
# vim /etc/aliases
    admin: harry
# newaliases
```

QUESTION 4

```
# yum install -y iscsi*
# chkconfig iscsid on
# iscsiadm -m discovery -t st -p 172.24.30.100
# iscsiadm -m node -T ign.2011 -p 172.24.30.100 -l
# dmesg|tail
# fdisk /dev/sdb9
#
# mkfs.ext3 /dev/sdb9
# cd /mnt
# mkdir data
# blkid /dev/sdb1 (Check UUID number)

# vim /etc/fstab
    UUID=xxxxxxxxxxxxxxxxxxxx /mnt/data ext3 _netdev,defaults 0
0
# mount -a
# mount
```

OR

```
# vim /dev/fstab
    UUID=xxxxxxxxxxxxxxxxxxxx /mnt/data ext3 defaults 0 0
# chkconfig netfs2 on
```

SIMULATION There are two different networks 192.168.0.0/24 and 192.168.1.0/24. Where 192.168.0.254 and 192.168.1.254 IP Address are assigned on Server. Verify your network settings by pinging 192.168.1.0/24 Network's Host.

A.

Correct Answer: Please see explanation

QUESTION 5

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.

A. Answer: See the for complete Solution below.

Correct Answer: A

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.
```

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