EX294^{Q&As}

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

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QUESTION 1

SIMULATION

Give Full Permission to owner user and owner group member but no permission to others on /data.

A.

Correct Answer: Please see explanation

QUESTION 2

```
# 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)
```

SIMULATION

Configure the ftp to allow anonymously download the directory /var/ftp/pub, and reject the domain t3gg.com to access.

A.

Correct Answer: Please see explanation

QUESTION 3

Create a playbook called issue.yml in /home/sandy/ansible which changes the file /etc/issue on all managed nodes: If host is a member of (lev then write "Development" If host is a member of test then write "Test" If host is a member of prod then write "Production"

A. Answer: See the for complete Solution below.

Correct Answer: A

Solution as:

```
---
- name: issue file
  hosts: dev,test,prod
  tasks:
      - name: edit development node
        copy:
            content: Development
            dest: /etc/issue
        when: "dev" in group_names
      - name: edit test node
        copy:
            content: Test
            dest: /etc/issue
        when: "test" in group_names
      - name: edit development node
        copy:
            content: Production
            dest: /etc/issue
        when: "prod" in group_names
...
```

QUESTION 4

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
      lineinefile:
          regex: ^HOST
          line: HOST={{ansible_hostname}}
          state: present
          path: /root/report.txt
    - name: change mem
      lineinefile:
          line: MEMORY={{ansible_memtotal_mb}}
          regex: ^MEMORY
          state: present
          path: /root/report.txt
```

```
    - name: change bios
      lineinefile:
          line: BIOS={{ansible_bios_version}}
          regex: ^BIOS
          state: present
          path: /root/report.txt
    - name: change vda
      lineinefile:
          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
      lineinefile:
          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 5

Modify file content.

Create a playbook called /home/admin/ansible/modify.yml as follows:

*

 The playbook runs on all inventory hosts

*

 The playbook replaces the contents of /etc/issue with a single line of text as

follows:

--> On hosts in the dev host group, the line reads: "Development"

--> On hosts in the test host group, the line reads: "Test"

--> On hosts in the prod host group, the line reads: "Production"

A. Answer: See the for complete Solution below.

Correct Answer: A

Solution as: # pwd /home/admin/ansible # vim modify.yml

-name:

hosts: all

tasks:

-

name:

copy:

content: "Development"

dest: /etc/issue

when: inventory_hostname in groups[\\\'dev\\\']

-

name:

copy:

content: "Test"

dest: /etc/issue

when: inventory_hostname in groups[\\\'test\\\']

-

name:

copy:

content: "Production"

dest: /etc/issue

when: inventory_hostname in groups[\\\'prod\\\']

wq

ansible-playbook modify.yml ?syntax-check

ansible-playbook modify.yml