EX294$^{Q\&As}$

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

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QUESTION 1

Make on /storage directory that only the user owner and group owner member can fully access.

A. Answer: See the for complete Solution below.

Correct Answer: A

1.

 chmod 770 /storage

2.

 Verify using : ls -ld /storage

Note:

Preview should be like: drwxrwx--- 2 root sysusers 4096 Mar 16 18:08 /storage To change the permission on directory we use the chmod command. According to the question that only the owner user (root) and group member (sysusers) can

fully access the directory so:

chmod 770 /archive

QUESTION 2

Install the RHEL system roles package and create a playbook called timesync.yml that: --> Runs over all managed hosts.

--> Uses the timesync role.

--> Configures the role to use the time server 192.168.10.254 (Hear in redhat lab

use "classroom.example.com")

--> Configures the role to set the iburst parameter as enabled.

A. Answer: See the for complete Solution below.

Correct Answer: A

Solution as:

pwd

home/admin/ansible/

sudo yum install rhel-system-roles.noarch -y

cd roles/

ansible-galaxy list

cp -r /usr/share/ansible/roles/rhelsystem-roles.timesync .

vim timesync.yml

-name: timesynchronization hosts: all vars: timesync_ntp_provider: chrony timesync_ntp_servers:

-hostname: classroom.example.com _ in exam its ip-address iburst: yes timezone: Asia/Kolkata roles:

-rhel-system-roles.timesync

tasks:

-name: set timezone

timezone:

name: "{{ timezone }}"

wq!

timedatectl list-timezones | grep india

ansible-playbook timesync.yml --syntax-check

ansible-playbook timesync.yml

ansible all -m shell -a \\'chronyc sources -v\\'

ansible all -m shell -a \\'timedatectl\\'

ansible all -m shell -a \\'systemctl is-enabled chronyd\\'

QUESTION 3

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

QUESTION 4

Create a playbook called regulartasks.yml which has the system that append the date to /root/datefile every day at noon. Name is job \\'datejob\\'

A. Answer: See the for complete Solution below.

Correct Answer: A

Solution as:

```
- name: Creates a cron file under /etc/cron.d
  cron:
    name: datejob
    hour: "12"
    user: root
    job: "date >> /root/ datefile"
```

QUESTION 5

Create a playbook called hwreport.yml that produces an output file called /root/

hwreport.txt on all managed nodes with the following information:

--> Inventory host name

--> Total memory in MB

--> BIOS version

--> Size of disk device vda

--> Size of disk device vdb

Each line of the output file contains a single key-value pair.

* Your playbook should:

--> Download the file hwreport.empty from the URL http://classroom.example.com/

hwreport.empty and

save it as /root/hwreport.txt --> Modify with the correct values.

note: If a hardware item does not exist, the associated value should be set to NONE

while practising you to create these file hear. But in exam have to download as per

questation.

hwreport.txt file consists.

my_sys=hostname

my_BIOS=biosversion

my_MEMORY=memory

my_vda=vdasize

my_vdb=vdbsize

A. Answer: See the for complete Solution below.

Correct Answer: A

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

-name:

hosts: all

ignore_errors: yes

tasks:

-

name: download file

get_url:

url: http://classroom.example.com/content/ex407/hwreport.empty dest: /root/hwreport.txt

-

name: vdasize

replace:

regexp: "vdasize"

replace: "{{ ansible_facts.devices.vda.size }}"

dest: /root/hwreport.txt

register: op1

-debug:

var: op1

-

name: none

replace:

regexp: "vdasize"

replace: NONE

dest: /root/hwreport.txt

when:

op1.failed == true

-

name: vdbsize

replace:

regexp: "vdbsize"

replace: "{{ ansible_facts.devices.vdb.size }}"

dest: /root/hwreport.txt

register: op2

-debug:

var: op2

-

name: none

replace:

regexp: "vdbsize"

replace: NONE

dest: /root/hwreport.txt

when:

op2.failed == true

-

name: sysinfo

replace:

regexp: "{{item.src}}"

replace: "{{item.dest}}"

dest: /root/hwreport.txt

loop:

-

src: "hostname"

dest: "{{ ansible_facts.fqdn }}"

-

src: "biosversion"

dest: "{{ ansible_facts.bios_version }}"

-

src: "memory"

dest: "{{ ansible_facts.memtotal_mb }}"

wq!

ansible-playbook hwreport.yml -–syntax-check

ansible-playbook hwreport.yml