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Red Hat Certified Specialist in Advanced Automation: Ansible Best Practices

RedHat EX447

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QUESTION NO: 1 - (SIMULATION)

Create a playbook that changes the default target on all nodes to multi-user tarqet. Do this in playbook file called target.yml in /home/sandy/ansible

ANSWER: SeetheExplanationforcompleteSolutionbelow.

Explanation:

- name: change default target

hosts: all

tasks:

- name: change target

file:

src: /usr/lib/systemd/system/multi-user.target dest: /etc/systemd/system/default.target state: link

QUESTION NO: 2 - (SIMULATION)

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'

ANSWER: SeetheExplanationforcompleteSolutionbelow.

Explanation:

Solution as:

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

QUESTION NO: 3 - (SIMULATION)

Create a playbook /home/bob/ansible/timesync.yml that runs on hosts in the webservers host group and does the following:

• Uses the timesync RHEL system role.

• Sets the ntp server to 0.uk.pool.ntp.org

• Sets the timezone to UTC

> **ANSWER: SeetheExplanationforcompleteSolutionbelow.**

Explanation:

Solution as:

```
- name: use rhel system role
  hosts: all
  roles:
    - rhel-system-roles.timesync
  timesync_ntp_servers:
    - hostname: 0.uk.pool.ntp.org
      iburst: yes
```

QUESTION NO: 4 - (SIMULATION)

Create a jinja template in /home/sandy/ansible/ and name it hosts.j2. Edit this file so it looks like the one below. The order of the nodes doesn't matter. Then create a playbook in /home/sandy/ansible called hosts.yml and install the template on dev node at /root/myhosts

```
127.0.0.1   localhost localhost.localdomain localhost4 localhost4.localdomain4
::1         localhost localhost.localdomain localhost6 localhost6.localdomain6

10.0.2.1          node1.example.com      node1
10.0.2.2          node2.example.com      node2
10.0.2.3          node3.example.com      node3
10.0.2.4          node4.example.com      node4
10.0.2.5          node5.example.com      node5
```

> **ANSWER: SeetheExplanationforcompleteSolutionbelow.**

Explanation:

Solution as:

in /home/sandy/ansible/hosts.j2

```
{%for host in groups['all']%}
{{hostvars[host]['ansible_default_ipv4']['address']}} {{hostvars[host]['ansible_fqdn']}}
{{hostvars[host]['ansible_hostname']}}
{%endfor%}
```

in /home/sandy/ansible/hosts.yml

```
---
- name: use template
  hosts: all
  template:
    src: hosts.j2
    dest: /root/myhosts
  when: "dev" in group_names
```

QUESTION NO: 5 - (SIMULATION)

Create an empty encrypted file called myvault.yml in /home/sandy/ansible and set the password to notsafepw. Rekey the password to iwejfj2221.

ANSWER: SeetheExplanationforcompleteSolutionbelow.

Explanation:

ansible-vault create myvault.yml

Create new password: notsafepw Confirm password: notsafepw ansible-vault rekey myvault.yml

Current password: notsafepw New password: iwejfj2221 Confirm password: iwejfj2221