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RedHat EX447

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QUESTION NO: 1 - (SIMULATION)

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

ANSWER: See the Explanation for complete solution below.

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 /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: See the Explanation for complete solution below.

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: 3 - (SIMULATION)

Create an empty encrypted file called myvault.yml in /home/sandy/ansible and set the password to notsafepw. Rekey the password to iwejff2221.

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: iwejff2221 Confirm password: iwejff2221
```

QUESTION NO: 4 - (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: 5 - (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: See the Explanation for complete Solution below.

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
```