

EX447^{Q&As}

Red Hat Certified Specialist in Advanced Automation: Ansible Best Practices

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QUESTION 1

CORRECT TEXT

Create a role called sample-apache and store it in /home/bob/ansible/roles. The role should satisfy the following requirements:

In the role, install and enable httpd. Also enable the firewall to allow http. Also run the template

index.html.j2 and make sure this runs Create a template index.html.j2that displays "Welcome to the server HOSTNAME"

In a play called apache.yml in /home/bob/ansible/ run the sample-apache role.

A. See the for complete Solution below.

Correct Answer: A

/home/sandy/ansible/apache.yml

```
---
- name: http
  hosts: webservers
  roles:
    - sample-apache
```

/home/sandy/ansible/roles/sample-apache/tasks/main.yml

```
---
# tasks file for sample-apache
- name: enable httpd
  service:
    name: httpd
    state: started
    enabled: true
- name: enable firewall
  service:
    name: firewalld
    state: started
    enabled: true
- name: firewall http service
  firewalld:
    service: http
    state: enabled
    permanent: yes
    immediate: yes
- name: index
  template:
    src: templates/index.html.j2
    dest: /var/www/html/index.html
  notify:
    - restart
```

/home/sandy/ansible/roles/sample-apache/templates/index.html.j2

```
Welcome to {{ansible_fqdn}} {{ansible_default_ipv4.address}}
```

In /home/sandy/ansible/roles/sample-apache/handlers/main.yml

```
- name: restart
  service:
    name: httpd
    state: restarted
```

QUESTION 2

CORRECT TEXT

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

A. See the for complete Solution below.

Correct Answer: A

-

```
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 3

CORRECT TEXT Create an ansible vault password file called lock.yml with the password reallysafepw in the /home/sandy/ansible directory. In the lock.yml file define two variables. One is spw_dev and the password is \\dev\\ and the other is spw_mgr and the password is \\mgr\\ Create a regular file called secret.txt which contains the password for lock.yml.

A. See the for complete Solution below.

Correct Answer: A

```
ansible-vault create lock.yml New Vault Password: reallysafepw Confirm: reallysafepw
```

In file:

```
pw_dev: dev
pw_mgr: mgr
```

QUESTION 4

CORRECT TEXT

Create a file called requirements.yml in /home/sandy/ansible/roles. A file called role.yml in /home/sandy/ansible/. The haproxy-role should be used on the proxy host. And when you curl http://node3.example.com it should display "Welcome to node4.example.com" and when you curl again "Welcome to node5.example.com". The php-role should be used on the prod host.

A. See the for complete Solution below.

Correct Answer: A

Solution as:

```
- name: install haproxy and php roles
  hosts: all
  vars:
    haproxy_backend_servers:
      - name: web1
        address: node4.example.com
      - name: web2
        address: node5.example.com
  tasks:
    - name: import haproxy
      include_role: haproxy-role
      when: "proxy" in group_names
    - name: import php
      include_role: php-role
      when: "prod" in group_names
```

Check the proxy host by curl http://node3.example.com

QUESTION 5

CORRECT TEXT

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

A. 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"
```

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