

EX447^{Q&As}

Red Hat Certified Specialist in Advanced Automation: Ansible Best Practices

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QUESTION 1

CORRECT TEXT

Create a playbook `/home/bob/ansible/motd.yml` that runs on all inventory hosts and docs the following: The playbook should replace any existing content of `/etc/motd` in the following text. Use ansible facts to display the FQDN of each host

On hosts in the dev host group the line should be "Welcome to Dev Server FQDN".

On hosts in the webserver host group the line should be "Welcome to Apache Server FQDN".

On hosts in the database host group the line should be "Welcome to MySQL Server FQDN".

A. See the for complete Solution below.

Correct Answer: A

`/home/sandy/ansible/apache.yml`

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

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

QUESTION 2

CORRECT TEXT

Create a file called `mysecret.yml` on the control host using ansible vault in `home/bob/ansible`. Set the password to `\\'notasafepass\\'` and inside the file create a variable called `dev_pass` with the value of `devops`. Save the file. Then go back in the file and change `dev_pass` value to `devops123`. Then change the vault password of `mysecret.yml` to `verysafepass`

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 3

CORRECT TEXT

Create a role called sample-apache in /home/sandy/ansible/roles that enables and starts httpd, enables and starts the firewall and allows the webserver service. Create a template called index.html.j2 which creates and serves a message from /

var/www/html/index.html Whenever the content of the file changes, restart the webserver service.

Welcome to [FQDN] on [IP]

Replace the FQDN with the fully qualified domain name and IP with the ip address of the node using ansible facts. Lastly, create a playbook in /home/sandy/ansible/called apache.yml and use the role to serve the index file on webserver hosts.

A. See the for complete Solution below.

Correct Answer: A

/home/sandy/ansible/apache.yml

```
---
- name: http
  hosts: webserver
  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 4**CORRECT TEXT**

Create a playbook called `timesync.yml` in `/home/sandy/ansible` using `rhel` system role `timesync`. Set the time to use currently configured `nip` with the server `0.uk.pool.ntp.org`. Enable `burst`. Do this on all hosts.

A. See the for complete Solution below.

Correct Answer: A

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 5**CORRECT TEXT**

Install and configure ansible

User `bob` has been created on your control node. Give him the appropriate permissions on the control node. Install the necessary packages to run ansible on the control node.

Create a configuration file `/home/bob/ansible/ansible.cfg` to meet the following requirements:

The roles path should include `/home/bob/ansible/roles`, as well as any other path that maybe required for the course of the sample exam.

The inventory file path is `/home/bob/ansible/inventory`.

Ansible should be able to manage 10 hosts at a single time.

Ansible should connect to all managed nodes using the `bob` user.

Create an inventory file for the following five nodes:

node1.example.com

node2.example.com

node3.example.com

node4.example.com

node5.example.com

Configure these nodes to be in an inventory file where node1 is a member of groupdev, node2 is a member of group test, node3 is a member of groupproxy, node4 and node 5 are members of groupprod. Also, prod is a member of group webservers.

A. See the for complete Solution below.

Correct Answer: A

```
In/home/sandy/ansible/ansible.cfg [defaults] inventory=/home/sandy/ansible/inventory
roles_path=/home/sandy/ansible/roles remote_user= sandy host_key_checking=false [privilegeescalation] become=true
become_user=root become_method=sudo become_ask_pass=false
```

```
In /home/sandy/ansible/inventory [dev] node1 .example.com [test] node2.example.com [proxy] node3 .example.com
[prod] node4.example.com node5 .example.com [webservers:children] prod
```

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