



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 does 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

Using the Simulation Program, perform the following tasks:

Static Inventories Task:

1.

Add a new group to your default ansible host file. call the group `[ec2]`

2.



Add a newhost to the new group you created.

3.

Add a variable to a new host entry in the `/etc/ansible/hosts` file. Add the following. `localhost http_port=80 maxRequestsPerChild=808`

4.

Check to see if `maxRequestsPerChild` is pulled out with an ad-hoccommand.

5.

Create a local host file and put a target group and then a host into it. Then ping it with an ad-hoc command.

A. See the for complete Solution below.

Correct Answer: A

1.

Edit the `/etc/ansible/hosts` file. Add a group.

2.

Edit the `/etc/ansible/hosts` file. Add a user under the group you created.

3.

Edit the `/etc/ansible/hosts` file. Find a host. if we add a variable called `maxRequestsPerChild` to the host it would look like this. `host1 maxRequestsPerChild=808`

4.

```
ansible ec2 -m shell -a "echo {{ maxRequestsPerChild }}"
```

5.

Edit a local file. It could be called anything. Lets call it `myhosts`. Inside the file it would have a host like the following.
`[mygroup] myusername1.mylabserver.com`

QUESTION 3

CORRECT TEXT

Install and configure ansible

Userbobhas 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, node5 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
```

QUESTION 4

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.j2 that 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 5

CORRECT TEXT

Install and configure ansible

User sandy has been created on your control node with the appropriate permissions already, do not change or modify ssh keys. Install the necessary packages to run ansible on the control node. Configure ansible.cfg to be in folder /home/sandy/ansible/ansible.cfg and configure to access remote machines via the sandy user. All roles should be in the path /home/sandy/ansible/roles. The inventory path should be in /home/sandy/ansible/inventory.

You will have access to 5 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 node 1 is a member of group dev, node2 is a member of group test, node3 is a member of group proxy, node4 and node 5 are members of group prod. 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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