EX447 Q&As

Red Hat Certified Specialist in Advanced Automation: Ansible Best Practices

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QUESTION 1

CORRECT TEXT

Create a file calledadhoc.shin/home/sandy/ansiblewhich will use adhoc commands to set up anew repository. The name of the repo will be \\'EPEL\\' the description \\'RHEL8\\' the baseurl is\\'https://dl.fedoraproject.org/pub/epel/epel-release-latest8.noarch.rmp\\'there is no gpgcheck, but you should enable the repo.

*

You should be able to use an bash script using adhoc commands to enable repos. Depending on your lab setup, you may need to make this repo "state=absent" after you pass this task.

A.

See the for complete Solution below.

Correct Answer: A

chmod0777adhoc.sh vim adhoc.sh #I/bin/bash ansible all -m yum_repository -a \\'name=EPEL description=RHEL8 baseurl=https://dl.fedoraproject.org/pub/epel/epel-release-latest-8.noarch.rmp gpgcheck=no enabled=yes\\'

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

Create an empty encrypted file calledmyvault.yml in /home/sandy/ansibleand set the passwordtonotsafepw. Rekey the passwordtoiwejfj2221.

A. See the for complete Solution below.

Correct Answer: A

ansible-vault create myvault.yml Create new password: notsafepw Confirm password: notsafepwansible-vault rekey myvault.yml Current password: notsafepw New password: iwejfj2221 Confirm password: iwejfj2221

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

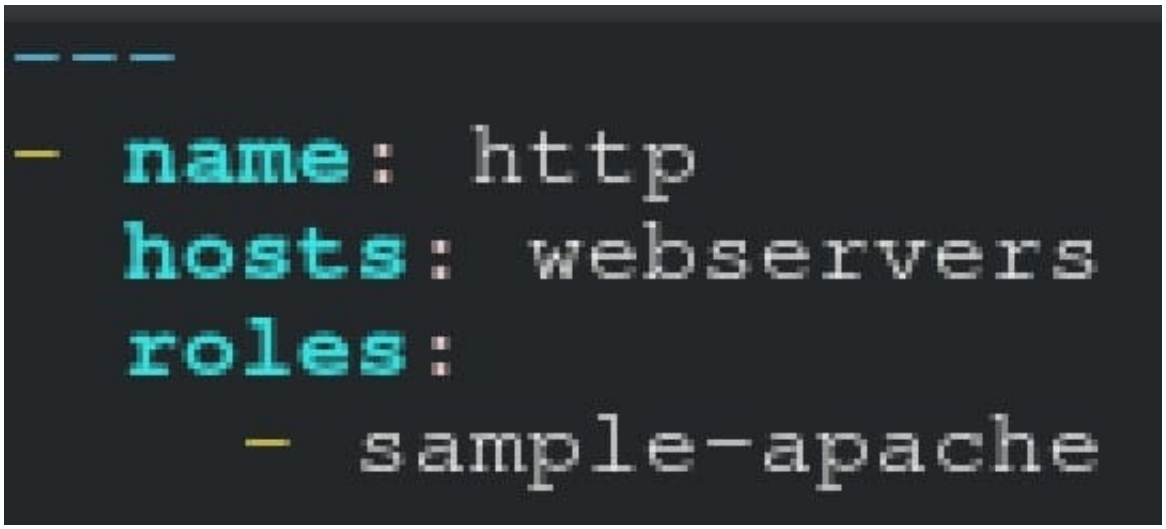
index.html.j2 and make sure this runs Create a template index.html.j2that displays "Welcome to the server HOSTNAME"

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



/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.addre
```

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

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

QUESTION 5

CORRECT TEXT

Create a role called sample-apache in/home/sandy/ansible/rolesthat enables and starts httpd, enables and starts the firewall and allows the webserver service. Create a template calledindex.html.j2which 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.ymland 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: 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.addre
```

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