



# EX447<sup>Q&As</sup>

Red Hat Certified Specialist in Advanced Automation: Ansible Best Practices

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## QUESTION 1

### 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 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 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
  firewall:
    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 file called requirements.yml in /home/sandy/ansible/roles to install two roles. The source for the first role is geerlingguy.haproxy and geerlingguy.php. Name the first haproxy-role and the second php-role. The roles should be installed in /home/sandy/ansible/roles.

A. See the for complete Solution below.

Correct Answer: A

in /home/sandy/ansible/roles vim requirements.yml

```
- src: geerlingguy.haproxy
  name: haproxy-role
- src: geerlingguy.php_role
  name: php_role
```

Run the requirements file from the roles directory:

```
ansible-galaxy install -r requirements.yml -p /home/sandy/ansible/roles
```

---

#### QUESTION 5

##### CORRECT TEXT

Create a file called packages.yml in /home/sandy/ansible to install some packages for the following hosts. On dev, prod and web servers install packages httpd, mod\_ssl, and mariadb. On dev only install the development tools package. Also, on dev host update all the packages to the latest.

A. See the for complete Solution below.

Correct Answer: A

Solution as:



```
---
- name: install pack
  hosts: dev,test,webservers
  become: true
  tasks:
    - name: install on all hosts in this play
      yum:
        name:
          - httpd
          - mod_ssl
          - mariadb
        state: latest
    - name: install on dev only
      yum:
        name:
          - '@Development tools'
        state: latest
      when: "dev" in group_names
```

\*\* NOTE 1 a more acceptable answer is likely '\present\' since it's not asking to install the latest state: present \*\*

NOTE 2 need to update the development node

-name: update all packages on development node

yum:

name: '\*'

state: latest

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