



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

Red Hat Certified Specialist in Advanced Automation: Ansible Best Practices

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## QUESTION 1

### CORRECT TEXT

In `/home/sandy/ansible/` create a playbook called `logvol.yml`. In the play create a logical volume called `lv0` and make it of size `1500MiB` on volume group `vg0`. If there is not enough space in the volume group print a message "Not enough space for logical volume" and then make a `800MiB` `lv0` instead. If the volume group still doesn't exist, create a message "Volume group doesn't exist" Create `anxfs` filesystem on all `lv0` logical volumes. Don't mount the logical volume.

A. See the for complete Solution below.

Correct Answer: A

Solution as:



```
- name: hosts
hosts: all
tasks:
- name: create partition
  parted:
    device: /dev/vdb
    number: 1
    flags: [ lvm ]
    state: present
- name: create vg
  lvg:
    vg: vg0
    pvs: /dev/vdb1
  when: ansible_devices.vdb.partitions.vdb1 is defined
- name: create logical volume
  lvol:
    vg: vg0
    lv: lv0
    size: 1500m
  when: ansible_lvm.vgs.vg0 is defined and ( (ansible_lvm.vgs.vg0.size_g | float) > 1.5)
- name: send message if volume group not large enough
  debug:
    msg: Not enough space for logical volume
  when: ansible_lvm.vgs.vg0 is defined and ( (ansible_lvm.vgs.vg0.size_g | float) < 1.5)
- name: create a smaller logical volume
  lvol:
    vg: vg0
    lv: lv0
    size: 1500m
  when: ansible_lvm.vgs.vg0 is defined and ( (ansible_lvm.vgs.vg0.size_g | float) < 1.5)
- name: create fs
  filesystem:
    dev: /dev/vg0/lv0
    fstype: xfs
  when: ansible_lvm.vgs.vg0 is defined
```

## 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 ansible vault password file called `lock.yml` with the password `reallysafepw` in the `/home/sandy/ansibledirectory`. In the `lock.yml` file define two variables. One `ispw_dev` and the password is `\\dev\\` and the other `ispw_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

Using the Simulation Program, perform the following tasks:

Ad-Hoc Ansible Commands (Number Two) Task:

1. Use the ad-hoc command to make sure php is installed.

2.

Use the ad-hoc command to make sure that php is installed and is the latest version.

3.

Use the ad-hoc command to make sure that httpd is installed.

4.

Use the ad-hoc command to remove httpd from the servers.

A. See the for complete Solution below.

Correct Answer: A

1.

```
ansible all -b -m yum -a '\name=php state=present\'
```

2.

```
ansible all -b -m yum -a '\name=php state=latest\'
```

3.

```
ansible all -b -m yum -a '\name=httpd state=latest\'
```

4.

```
ansibleall -b -m yum -a '\name=httpd state=absent\'
```

---

#### QUESTION 5

##### CORRECT TEXT

Create an empty encrypted file called myvault.yml in /home/sandy/ansible and set the password to not safe pw. Rekey the



passwordtoiwefj2221.

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: iwefj2221 Confirm password: iwefj2221

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