



# 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 `adhoc.sh` in `/home/sandy/ansible` which will use `adhoc` commands to set up a new 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.rpm'` 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

```
chmod 0777 adhoc.sh
vim adhoc.sh #!/bin/bash
ansible all -m yum_repository -a "name=EPEL description=RHEL8
baseurl=https://dl.fedoraproject.org/pub/epel/epel-release-latest-8.noarch.rpm gpgcheck=no enabled=yes"
```

## QUESTION 2

### CORRECT TEXT

Create a `jinja` template in `/home/sandy/ansible/` and name it `hosts.j2`. Edit this file so it looks like the one below. The order of the nodes doesn't matter. Then create a `playbook` in `/home/sandy/ansible` called `hosts.yml` and install the template on `dev` node at `/root/myhosts`

```
127.0.0.1 localhost localhost.localdomain localhost4 localhost4.localdomain4
::1      localhost localhost.localdomain localhost6 localhost6.localdomain6

10.0.2.1    node1.example.com    node1
10.0.2.2    node2.example.com    node2
10.0.2.3    node3.example.com    node3
10.0.2.4    node4.example.com    node4
10.0.2.5    node5.example.com    node5
```

A. See the for complete Solution below.

Correct Answer: A

Solution as:



```
in /home/sandy/ansible/hosts.j2
```

```
{%for host in groups['all']%}
{{hostvars[host]['ansible_default_ipv4']['address']}} {{hostvars[host]['ansible_fqdn']}}
{{hostvars[host]['ansible_hostname']}}
{%endfor%}
```

```
in /home/sandy/ansible/hosts.yml
```

```
---
```

```
- name: use template
  hosts: all
  template:
    src: hosts.j2
    dest: /root/myhosts
  when: "dev" in group_names
```

---

### QUESTION 3

#### 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 4

##### CORRECT TEXT

Using the Simulation Program, perform the following tasks:

1.

Use an ansible ad-hoc command, check the connectivity of your servers.

2.

Use an ad-hoc ansible command, find the free space of your servers.

3.

Use an ad-hoc ansible command, find out the memory usage of your servers.

4.

Do an ls -l on the targets /var/log/messages file.

5.

Tail the contents of the targets /var/log/messages file.

A. See the for complete Solution below.

Correct Answer: A

1.



```
ansible all -m ping
```

2.

```
ansible all -a "/bin/df -h"
```

3.

```
ansible all-a "/usr/bin/free"
```

4.

```
ansible all -a "ls -l /var/log/messages"
```

5.

```
ansible local -b -a "tail /var/log/messages"
```

---

## QUESTION 5

### CORRECT TEXT

Create a playbook called `webdev.yml` in `\\home/sandy/ansible`. The playbook will create a directory `Avcbdev` on dev host. The permission of the directory are `2755` and owner is `webdev`. Create a symbolic link from `Webdev` to `/var/www/html/webdev`. Serve a file from `Avebdev7index.html` which displays the text "Development"  
`Curl http://node1.example.com/webdev/index.html` to test

A. See the for complete Solution below.

Correct Answer: A

Solution as:



```
- name: webdev
hosts: dev
tasks:
  - name: create webdev user
    user:
      name: webdev
      state: present
  - name: create a directory
    file:
      mode: '2755'
      path: /webdev
      state: directory
  - name: create symbolic link
    file:
      src: /webdev
      path: /var/www/html/webdev
      state: link
  - name: create index.html
    copy:
      content: Development
      dest: /webdev/ index.html
  - name: Install selinux policies
    yum:
      name: python3-policycoreutils
      state: present
  - name: allow httpd from this directory
    sefcontext:
      target: '/webdev(/.*)?'
      setype: httpd_sys_content_t
      state: present
  - name: restore the context
    shell: restorecon -vR /webdev
```

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