



EX447^{Q&As}

Red Hat Certified Specialist in Advanced Automation: Ansible Best Practices

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**QUESTION 1****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 2****CORRECT TEXT**

Create a playbook called regulartasks.yml which has the system that append the date to /root/datefile every day at noon. Name is job \datejob\

A. See the for complete Solution below.

Correct Answer: A

Solution as:

```
- name: Creates a cron file under /etc/cron.d
  cron:
    name: datejob
    hour: "12"
    user: root
    job: "date >> /root/ datefile"
```

QUESTION 3**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/ansiblecalledhosts.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 4

CORRECT TEXT

Create a playbook called `webdev.yml` in `/home/sandy/ansible`. The playbook will create a directory `webdev` 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 `webdev/index.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
```

QUESTION 5

CORRECT TEXT

Create the users in the fileusersjst.ymlfile provided. Do this in a playbook called users.yml located at/home/sandy/ansible.The passwords for these users should be set using thelock.ymlfile from TASK7. When running the playbook, the lock.yml file should be unlocked withsecret.txtfile from TASK 7.

All users with the job of '\\developer\\' should be created on thedevhosts, add them to the group devops, their password should be set using thepw_devvariable. Likewise create users with the job of '\\manager\\' on theproxyhost and add the users to the group '\\managers\\', their password should be set using thepw_mgrvariable.



users_list.yml

```
users:
  - username: bill
    job: developer
  - username: chris
    job: manager
  - username: dave
    job: test
  - username: ethan
    job: developer
```

A. See the for complete Solution below.

Correct Answer: A

ansible-playbook users.yml --password-file=secret.txt



```
- name: create users
hosts: all
vars_files:
  - users_list.yml
  - lock.yml
tasks:
  - name: create devops group nodes1
    group:
      name: devops
      when: ('dev' in group_names)
  - name: create manager group nodes45
    group:
      name: manager
      when: ('prod' in group_names)
  - name: create devs should happen on node1
    user:
      name: "{{item.username}}"
      groups: devops
      password: "{{ pw_dev | password_hash('sha512') }}"
      when: ('dev' in group_names) and ('developer' in item.job)
      loop: "{{users}}"
  - name: create managers on node45
    user:
      name: "{{item.username}}"
      groups: manager
      password: "{{ pw_mgr | password_hash('sha512') }}"
      when: ('prod' in group_names) and ('manager' in item.job)
      loop: "{{users}}"
```

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