



# 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 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
```

## 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 playbook called timesync.yml in /home/sandy/ansible using rhel system role timesync. Set the time to use currently configured ntp with the server 0.uk.pool.ntp.org. Enable burst. Do this on all hosts.

A. See the for complete Solution below.

Correct Answer: A

Solution as:

```
- name: use rhel system role
hosts: all
roles:
  - rhel-system-roles.timesync
timesync_ntp_servers:
  - hostname: 0.uk.pool.ntp.org
  iburst: yes
```

---

### QUESTION 4

#### CORRECT TEXT

Create the users in the file users.yml provided. Do this in a playbook called users.yml located at /home/sandy/ansible. The passwords for these users should be set using the lock.yml file from TASK 7. When running the playbook, the lock.yml file should be unlocked with secret.txt file from TASK 7.

All users with the job of 'developer' should be created on the dev hosts, add them to the group devops, their password should be set using the pw\_dev variable. Likewise create users with the job of 'manager' on the proxy host and add the users to the group 'managers', their password should be set using the pw\_mgr variable.



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}}"
```

## QUESTION 5

### 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-hoc command.

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`

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