EX447$^{Q\&As}$

Red Hat Certified Specialist in Advanced Automation: Ansible Best Practices

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QUESTION 1

CORRECT TEXT

Create a playbook /home/bob/ansible/timesync.yml that runs on hosts in the webservers host group and does the following:

Uses thetimesync RHEL system role. Sets the ntp server to 0.uk.pool.ntp.org Sets the timezone to UTC

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 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 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 avariable 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 4

CORRECT TEXT

Create a file calledpackages.yml in/home/sandy/ansibleto install some packages for the following hosts. On dev, prod and webservers install packages httpd, mod_ssl, and mariadb. On dev only install the development tools package. Also, on dev host update all the packages tothe 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 thedevelopment node

-name: update all packages on development node

yum:

name: \\'*\\'

state: latest

QUESTION 5

CORRECT TEXT

Create a playbook calledwebdev.ymlin\\'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/Webdevto /var/www/html/ webdev. Serve a file from Avebdev7index.html which displays the text "Development" Curlhttp://node1.example.com/webdev/index.htmlto 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
```