



EX447^{Q&As}

Red Hat Certified Specialist in Advanced Automation: Ansible Best Practices

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

Create a playbook that changes the default target on all nodes to multi-user.target. Do this in a playbook file called target.yml in /home/sandy/ansible

A. See the for complete Solution below.

Correct Answer: A

-

name: change default target

hosts: all

tasks:

-

name: change target

file:

src:/usr/lib/systemd/system/multi-user.target dest: /etc/systemd/system/default.target state:

link

QUESTION 2**CORRECT TEXT**

Create a file called packages.yml in /home/sandy/ansible to install some packages for the following hosts. On dev, prod and web servers install packages httpd, mod_ssl, and mariadb. On dev only install the development tools package. Also, on dev host update all the packages to the 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 the development node

-name: update all packages on development node

yum:

name: '*'

state: latest

QUESTION 3

CORRECT TEXT

Create an empty encrypted file called myvault.yml in /home/sandy/ansible and set the password to notsafepw. Rekey the password to iwej2221.

A. See the for complete Solution below.

Correct Answer: A

ansible-vault create myvault.yml Create new password: notsafepw Confirm password: notsafepw ansible-vault rekey myvault.yml Current password: notsafepw New password: iwej2221 Confirm password: iwej2221

**QUESTION 4****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 5****CORRECT TEXT**

Create a role called sample-apache and store it in /home/bob/ansible/roles. The role should

satisfy the following requirements:

In the role, install and enable httpd. Also enable the firewall to allow http. Also run the template

index.html.j2 and make sure this runs Create a template index.html.j2 that displays "Welcome to the server
HOSTNAME"

In a play called apache.yml in /home/bob/ansible/ run the sample-apache role.

A. See the for complete Solution below.

Correct Answer: A

/home/sandy/ansible/apache.yml

```
---  
- name: http  
  hosts: webservers  
  roles:  
    - sample-apache
```

/home/sandy/ansible/roles/sample-apache/tasks/main.yml



```
---
# tasks file for sample-apache
- name: enable httpd
  service:
    name: httpd
    state: started
    enabled: true
- name: enable firewall
  service:
    name: firewalld
    state: started
    enabled: true
- name: firewall http service
  firewallld:
    service: http
    state: enabled
    permanent: yes
    immediate: yes
- name: index
  template:
    src: templates/index.html.j2
    dest: /var/www/html/index.html
  notify:
    - restart
```

/home/sandy/ansible/roles/sample-apache/templates/index.html.j2

Welcome to {{ansible_fqdn}} {{ansible_default_ipv4.address}}

In /home/sandy/ansible/roles/sample-apache/handlers/main.yml



```
- name: restart
  service:
    name: httpd
    state: restarted
```

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