EX447$^{Q\&As}$

Red Hat Certified Specialist in Advanced Automation: Ansible Best Practices

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QUESTION 1

CORRECT TEXT

Create a file calledadhoc.shin/home/sandy/ansiblewhich will use adhoc commands to set up anew 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.rmp\\'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

chmod0777adhoc.sh vim adhoc.sh #I/bin/bash ansible all -m yum_repository -a \\'name=EPEL description=RHEL8 baseurl=https://dl.fedoraproject.org/pub/epel/epel-release-latest-8.noarch.rmp gpgcheck=no enabled=yes\\'

QUESTION 2

CORRECT TEXT

In /home/sandy/ansible/create a playbook calledlogvol.yml. Inthe play create a logical volume calledlv0and make it of size 1500MiB on volume groupvgOIf there is not enough space in the volume groupprinta message"Not enough space for logical volume"and then make a 800MiBIv0instead. If the volume group still doesn\\'t exist, create a message "Volume group doesn\\'t exist"Create anxfsfilesystem on allIv0logical volumes. Don\\'t mount the logical volume.

A. See the for complete Solution below.

Correct Answer: A

Solution as:

```
- name: hosts
  hosts: all
  tasks:
  -  name: create partition
     parted:
        device: /dev/vdb
        number: 1
        flags: [ lvm ]
        state: present
- name: create vg
  lvg:
     vg: vg0
     pvs: /dev/vdb1
   when: ansible_devices.vdb.partitions.vdb1 is defined
- name: create logical volume
  lvol:
     vg: vg0
     lv: lv0
     size: 1500m
   when: ansible_lvm.vgs.vg0 is defined and ( (ansible_lvm.vgs.vg0.size_g | float ) > 1.5)
- name: send message if  volume group not large enough
  debug:
      msg: Not enough space for logical volume
   when: ansible_lvm.vgs.vg0 is defined and ( (ansible_lvm.vgs.vg0.size_g | float ) < 1.5)
- name: create a smaller logical volume
  lvol:
     vg: vg0
     lv: lv0
     size: 1500m
   when: ansible_lvm.vgs.vg0 is defined and ( (ansible_lvm.vgs.vg0.size_g | float ) < 1.5)
- name: create fs
  filesystem:
     dev: /dev/vg0/lv0
     fstype: xfs
   when: ansible_lvm.vgs.vg0 is defined
```

QUESTION 3

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 4

CORRECT TEXT

Install and configure ansible

User sandy has been created on your control node with the appropriate permissions already, do not change or modify ssh keys. Install the necessary packages to run ansible on the control node. Configure ansible.cfg to be in folder /home/sandy/ansible/ansible.cfg and configure to access remote machines via the sandy user. All roles should be in the path /home/sandy/ansible/roles. The inventory path should be in /home/sandy/ansible/invenlory.

You will have access to 5 nodes. node1.example.com

node2.example.com

node3.example.com

node4.example.com

node5.example.com

Configure these nodes to be in an inventory file where node I is a member of group dev. nodc2 is a member of group test, node3 is a member of group proxy, nodc4 and node 5 are members of group prod. Also, prod is a member of group webservers.

A. See the for complete Solution below.

Correct Answer: A

In/home/sandy/ansible/ansible.cfg [defaults] inventory=/home/sandy/ansible/inventory roles_path=/home/sandy/ansible/roles remote_user= sandy host_key_checking=false [privilegeescalation] become=true become_user=root become_method=sudo become_ask_pass=false

In /home/sandy/ansible/inventory [dev] node1 .example.com [test] node2.example.com [proxy] node3 .example.com [prod] node4.example.com node5 .example.com [webservers:children] prod

---

QUESTION 5

CORRECT TEXT

Create a playbook /home/bob /ansible/motd.yml that runs on all inventory hosts and docs the following: The playbook should replaee any existing content of/etc/motd in the following text. Use ansible facts to display the FQDN of each host

On hosts in the dev host group the line should be "Welcome to Dev Server FQDN".

On hosts in the webserver host group the line should be "Welcome to Apache Server FQDN".

On hosts in the database host group the line should be "Welcome to MySQL Server FQDN".

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

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