EX447 Q&As

Red Hat Certified Specialist in Advanced Automation: Ansible Best Practices

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QUESTION 1

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 800MiBlv0instead. 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 2

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 3

CORRECT TEXT

Create a playbook called issue.yml in /home/sandy/ansible which changes the file /etc/issue on all managed nodes: If host is a member of (lev then write "Development" If host is a member oftestthen write "Test" If host is a member ofprodthen write "Production"

A. See the for complete Solution below.

Correct Answer: A

Solution as:

```
---
- name: issue file
  hosts: dev,test,prod
  tasks:
     - name: edit development node
       copy:
          content: Development
          dest: /etc/issue
       when: “dev” in group_names
     - name: edit test node
       copy:
          content: Test
          dest: /etc/issue
       when: “test” in group_names
     - name: edit development node
       copy:
          content: Production
          dest: /etc/issue
       when: “prod” in group_names
...
```

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

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