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Red Hat Certified Specialist in Advanced Automation: Ansible Best Practices

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QUESTION 1

CORRECT TEXT

Install and configure ansible

Userbobhas been created on your control node. Give him the appropriate permissions on the control node.Install the necessary packages to run ansible on the control node.

Create a configuration file /home/bob/ansible/ansible.cfg to meet the following requirements:

The roles path should include /home/bob/ansible/roles, as well as any other path that maybe required for the course of the sample exam.

The inventory file path is /home/bob/ansible/inventory.

Ansible should be able to manage 10 hosts at a single time.

Ansible should connect to all managed nodes using the bob user.

Create an inventory file for the following five nodes:

nodel.example.com

node2.example.com

node3.example.com

node4.example.com

node5.example.com

Configure these nodes to be in an inventory file where node1 is a member of groupdev. nodc2 is a member of group test, nodc3 is a member of groupproxy,nodc4 and node 5 are members of groupprod.Also,prodis 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 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 an empty encrypted file calledmyvault.yml in /home/sandy/ansibleand set the passwordtonotsafepw. Rekey the passwordtoiwejfj2221.

A. See the for complete Solution below.

Correct Answer: A

ansible-vault create myvault.yml Create new password: notsafepw Confirm password: notsafepwansible-vault rekey myvault.yml Current password: notsafepw New password: iwejfj2221 Confirm password: iwejfj2221

QUESTION 4

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 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