EX447 Q&As

Red Hat Certified Specialist in Advanced Automation: Ansible Best Practices

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QUESTION 1

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 2

CORRECT TEXT

Create a jinja template in /home/sandy/ansible/ and name it hosts.j2. Edit this file so it looks like the one below. The order of the nodes doesn\\'t matter. Then create a playbook in /home/sandy/ansiblecalledhosts.ymland install the template on dev node at /root/myhosts

```
127.0.0.1   localhost localhost.localdomain localhost4 localhost4.localdomain4
::1         localhost localhost.localdomain localhost6 localhost6.localdomain6

10.0.2.1        node1.example.com    node1
10.0.2.2        node2.example.com    node2
10.0.2.3        node3.example.com    node3
10.0.2.4        node4.example.com    node4
10.0.2.5        node5.example.com    node5
```

A. See the for complete Solution below.

Correct Answer: A

Solution as:

in /home/sandy/ansible/hosts.j2

```
{%for host in groups['all']%}
{{hostvars[host]['ansible_default_ipv4']['address']}} {{hostvars[host]['ansible_fqdn']}}
{{hostvars[host]['ansible_hostname']}}
{%endfor%}
```

in /home/sandy/ansible/hosts.yml

```
---
 - name: use template
   hosts: all
   template:
      src: hosts.j2
      dest: /root/myhosts
   when: "dev" in group_names
```

QUESTION 3

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 4

CORRECT TEXT

Create a file calledrequirements.ymlin/home/sandy/ansible/rolesto install two roles. The source for the first role is geerlingguy.haproxy and geerlingguy.php. Name the first haproxy-role and the second php-role. The roles should be installed in /home/sandy/ansible/roles.

A. See the for complete Solution below.

Correct Answer: A

in /home/sandy/ansible/roles vim requirements.yml

```
- src: geerlingguy.haproxy
  name: haproxy-role
- src: geerlingguy. php_role
  name: php_role
```

Run the requirements file from the roles directory:

ansible-galaxy install -r requirements.yml -p /home/sandy/ansible/roles

QUESTION 5

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
...
```