EX447 Q&As

Red Hat Certified Specialist in Advanced Automation: Ansible Best Practices

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QUESTION 1

CORRECT TEXT

Create a file in/home/sandy/ansible/calledreport.yml.Using this playbook, get a filecalled report.txt(make it look exactly as below). Copy this file over to all remote hosts at /root/report.txt.Then edit the lines in the file to provide the real informationofthehosts. Ifa disk does not exist then write NONE.

report.txt

```
HOST=inventory hostname
MEMORY=total memory in mb
BIOS=bios version
VDA_DISK_SIZE=disk size
VDB_DISK_SIZE=disk size
```

A. See the for complete Solution below.

Correct Answer: A

Solution as:

```
- name: edit file
  hosts: all
  tasks:
   - name: copy file
     copy:  report.txt
     dest: /root/report.txt
   - name: change host
     lineinefile:
         regex: ^HOST
         line: HOST={{ansible_hostname}}
         state: present
         path: /root/report.txt
   - name: change mem
     lineinefile:
         line: MEMORY={{ansible_memtotal_mb}}
         regex: ^MEMORY
         state: present
         path: /root/report.txt
```

```
    - name: change bios
      lineinefile:
        line: BIOS={{ansible_bios_version}}
        regex: ^BIOS
        state: present
        path: /root/report.txt
    - name: change vda
      lineinefile:
        line: VDA_DISK_SIZE ={%if ansible_devices.vda is defined%}{{ansible_devices.
vda.size}}{%else%}NONE{%endif%}
        regex: ^VDA_DISK_SIZE
        state: present
        path: /root/report.txt
    - name: change vdb
      lineinefile:
        line: VDB_DISK_SIZE ={%if ansible_devices.vdb is defined%}{{ansible_devices.
vdb.size}}{%else%}NONE{%endif%}
        regex: ^VDB_DISK_SIZE
        state: present
        path: /root/report.txt
```

QUESTION 2

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 3

CORRECT TEXT

Create a playbook /home/bob/ansible/timesync.yml that runs on hosts in the webservers host group and does the following:

Uses thetimesync RHEL system role. Sets the ntp server to 0.uk.pool.ntp.org Sets the timezone to UTC

A. See the for complete Solution below.

Correct Answer: A

Solution as:

```
- name: use rhel system role
  hosts: all
  roles:
   - rhel-system-roles.timesync
  timesync_ntp_servers:
    - hostname: 0.uk.pool.ntp.org
      iburst: yes
```

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 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
...
```

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