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Exam : EX447

Title : Red Hat Certified Specialist in Advanced Automation: Ansible Best Practices

Version : DEMO

1.CORRECT TEXT
Create a file called specs.empty in home/bob/ansible on the local machine as follows:
HOST=
MEMORY=
BIOS=
VDA_DISK_SIZE=
VDB_DISK_SIZE=
Create the playbook /home/bob/ansible/specs.yml which copies specs.empty to all remote nodes' path /root/specs.txt. Using the specs.yml playbook then edit specs.txt on the remote machines to reflect theappropriate ansible facts.
Answer:
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
```

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-latest-8.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.

Answer:

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'

3.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.

Answer:
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

4.CORRECT TEXT
Create an empty encrypted file calledmyvault.yml in /home/sandy/ansibleand set the passwordtonotsafepw. Rekey the passwordtoiwejfj2221.
Answer:
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

5.CORRECT TEXT
Create a playbook calledwebdev.ymlin'home/sandy/ansible. The playbook will create a directory Avcbdev on dev host. The permission of the directory are 2755 and owner is webdev. Create a symbolic link from/Webdevto /var/www/html/webdev. Serve a file from Avebdev7index.html which displays the text "Development" Curlhttp://node1.example.com/webdev/index.htmlto test
Answer:
Solution as:

```
-  name: webdev
  hosts: dev
  tasks:
    - name: create webdev user
      user:
          name: webdev
          state: present
    -  name: create a directory
       file:
          mode: '2755'
          path: /webdev
          state: directory
    - name: create symbolic link
      file:
         src: /webdev
         path: /var/www/html/webdev
         state: link
    - name: create index.html
      copy:
         content: Development
         dest: /webdev/ index.html
    - name: Install selinux policies
      yum:
           name: python3-policycoreutils
           state: present
    - name: allow httpd from this directory
      sefcontext:
           target: '/webdev(/.*)?'
           setype: httpd_sys_content_t
           state: present
    - name: restore the context
       shell: restorecon -vR /webdev
```