Exam Questions EX294

Red Hat Certified Engineer (RHCE) exam

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NEW QUESTION 1
Create a file in /home/sandy/ansible/calledreport.yml. Using this playbook, get a filecalledreport.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. Mastered
B. Not Mastered

Answer: A

Explanation:
See the explanation for complete Solution below.
Explanation
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
```

NEW QUESTION 2
Create a file called packages.yml in/home/sandy/ansible to install some packages for the following hosts. On dev, prod and webservers install packages httpd, mod_ssl, and mariadb. On dev only install the development tools package. Also, on dev host update all the packages to the latest.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Solution as:

```
---
- name: install pack
  hosts: dev,test,webservers
  become: true
  tasks:
    - name: install on all hosts in this play
      yum:
        name:
          - httpd
          - mod_ssl
          - mariadb
        state: latest
    - name: install on dev only
      yum:
        name:
          - '@Development tools'
        state: latest
      when: "dev" in group_names
~
```

** NOTE 1 a more acceptable answer is likely 'present' since it's not asking to install the latest
state: present
** NOTE 2 need to update the development node
- name: update all packages on development node
yum:
name: '*'
state: latest

NEW QUESTION 3
Create a file called requirements.yml in/home/sandy/ansible/roles to 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. Mastered
B. Not Mastered

Answer: A

Explanation:
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

NEW QUESTION 4
Create an empty encrypted file calledmyvault.yml in /home/sandy/ansibleand set the passwordtonotsafepw. Rekey the passwordtoiwejfj2221.

A. Mastered
B. Not Mastered

Answer: A

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

NEW QUESTION 5
Create anansible vault password file calledlock.ymlwith the passwordreallysafepwin the/home/sandy/ansible directory. In the lock.yml file define two variables. One ispw_devand the password is 'dev' and the other is pw_mgrand the password is 'mgr' Create a regular file calledsecret.txtwhich contains the password for lock.yml.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
ansible-vault create lock.yml
New Vault Password: reallysafepw Confirm: reallysafepw
In File:

```
pw_dev: dev
pw_mgr: mgr
```

NEW QUESTION 6
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. Mastered
B. Not Mastered

Answer: A

Explanation:
Solution as:

```
- name: Creates a cron file under /etc/cron.d
  cron:
    name: datejob
    hour: "12"
    user: root
    job: "date >> /root/ datefile"
```

NEW QUESTION 7
Create a file calledrequirements.ymlin/home/sandy/ansible/rolesa file calledrole.yml in
/home/sandy/ansible/.Thehaproxy-roleshould be used on theproxyhost. And when you curl http://node3.example.comit should display "Welcome tonode4.example.com" and when you curl again "Welcome tonode5.example.com"Thephp-roleshould be used on theprodhost.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Solution as:

```
- name: install haproxy and php roles
  hosts: all
  vars:
    haproxy_backend_servers:
    - name: web1
        address: node4.example.com
    - name: web2
        address: node5.example.com
  tasks:
    - name: import haproxy
      include_role: haproxy-role
      when: "proxy" in group_names
    - name: import php
      include_role: php-role
      when: "prod" in group_names
```

Check the proxy host by curlhttp://node3.example.com

NEW QUESTION 8
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 the appropriate ansible facts.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
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
```

NEW QUESTION 10
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