Exam Questions EX294

Red Hat Certified Engineer (RHCE) exam

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NEW QUESTION 1
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 2
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

A. Mastered
B. Not Mastered

Answer: A

Explanation:
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
```

NEW QUESTION 3
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 4
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 5
Create a playbook calledtimesvnc.yml in /home/sandy/ansible using rhel system role timesync. Set the time to use currently configured nip with the server 0.uk.pool.ntp.org. Enable burst. Do this on all hosts.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
See the explanation forcomplete Solution below.
Explanation
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
```

NEW QUESTION 6
Create the users in the fileusersjist.ymlfile provided. Do this in a playbook called users.yml located at
/home/sandy/ansible.The passwords for these users should be set using thelock.ymlfile from TASK7. When running the playbook, the lock.yml file should be unlocked withsecret.txtfile from TASK 7.
All users with the job of 'developer' should be created on thedevhosts, add them to the group devops, their password should be set using thepw_devvariable.
Likewise create users with the job of 'manager' on theproxy
host and add the users to the group 'managers', their password should be set using thepw_mgrvariable.

users_list.yml

```
users:
  - username: bill
    job: developer
  - username: chris
    job: manager
  - username: dave
    job: test
  - username: ethan
    job: developer
```

A. Mastered
B. Not Mastered

Answer: A

Explanation:
ansible-playbook users.yml –vault-password-file=secret.txt

```
---
- name: create users
  hosts: all
  vars_files:
    - users_list.yml
    - lock.yml
  tasks:
    - name: create devops group nodes1
      group:
        name: devops
      when: ('dev' in group_names)
    - name: create manager group nodes45
      group:
        name: manager
      when: ('prod' in group_names)
    - name: create devs should happen on node1
      user:
        name: "{{item.username}}"
        groups: devops
        password: "{{ pw_dev | password_hash('sha512') }}"
      when: ('dev' in group_names) and ('developer' in item.job)
      loop: "{{users}}"
    - name: create managers on node45
      user:
        name: "{{item.username}}"
        groups: manager
        password: "{{ pw_mgr | password_hash('sha512') }}"
      when: ('prod' in group_names) and ('manager' in item.job)
      loop: "{{users}}"
~
```

NEW QUESTION 7
In /home/sandy/ansible/create a playbook calledlogvol.yml. Inthe play create a logical volume calledlv0and make it of size 1500MiB on volume groupvgOIf there is not enough space in the volume groupprinta message "Not enough space for logical volume"and then make a 800MiBIv0instead. If the volume group still doesn't exist, create a message"Volume group doesn't exist"Create anxfsfilesystem on allIv0logical volumes. Don't mount the logical volume.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Solution as:

```
- name: hosts
  hosts: all
  tasks:
  - name: create partition
    parted:
      device: /dev/vdb
      number: 1
      flags: [ lvm ]
      state: present
  - name: create vg
    lvg:
      vg: vg0
      pvs: /dev/vdb1
    when: ansible_devices.vdb.partitions.vdb1 is defined
  - name: create logical volume
    lvol:
      vg: vg0
      lv: lv0
      size: 1500m
    when: ansible_lvm.vgs.vg0 is defined and ( (ansible_lvm.vgs.vg0.size_g | float ) > 1.5)
  - name: send message if  volume group not large enough
    debug:
      msg: Not enough space for logical volume
    when: ansible_lvm.vgs.vg0 is defined and ( (ansible_lvm.vgs.vg0.size_g | float ) < 1.5)
  - name: create a smaller logical volume
    lvol:
      vg: vg0
      lv: lv0
      size: 1500m
    when: ansible_lvm.vgs.vg0 is defined and ( (ansible_lvm.vgs.vg0.size_g | float ) < 1.5)
  - name: create fs
    filesystem:
      dev: /dev/vg0/lv0
      fstype: xfs
    when: ansible_lvm.vgs.vg0 is defined
```

NEW QUESTION 8
Create a Shell script /root/program:
The shell script will come back to "user" parameter when you are entering "kernel" parameter.
The shell script will come back to "kernel" when you are entering "user" parameter.
It will output the standard error when this script "usage:/root/program kernel|user" don't input any parameter or the parameter you inputted is entered as the requirements.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

```
[root@server1 virtual]# cat/root/program
#!/bin/bash
param1="$1"
if [ "$param1" == "kernel" ]; then
echo "user"
elif [ "$param1" == "user" ]; then
echo "kernel"
else
echo "usage:/root/program kernel|user"
if
[root@server1 ~]# chmod +x /root/program
```

NEW QUESTION 10
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