Red-Hat

Exam Questions EX294

Red Hat Certified Engineer (RHCE) exam

NEW QUESTION 1
Create a role called sample-apache in /home/sandy/ansible/roles that enables and starts httpd, enables and starts the firewall and allows the webserver service. Create a template calledindex.html.j2 which creates and serves a message from /var/www/html/index.html Whenever the content of the file changes, restart the webserver service.
Welcome to [FQDN] on [IP]
Replace the FQDN with the fully qualified domain nameand IP with the ip address of the node using ansible facts. Lastly, create a playbook in /home/sandy/ansible/ called apache.yml and use the role to serve the index file on webserver hosts.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
/home/sandy/ansible/apache.yml

```
---
- name: http
  hosts: webservers
  roles:
      - sample-apache
```

/home/sandy/ansible/roles/sample-apache/tasks/main.yml

```
---
# tasks file for sample-apache
- name: enable httpd
  service:
     name: httpd
     state: started
     enabled: true
- name: enable firewall
  service:
     name: firewalld
     state: started
     enabled: true
- name: firewall http service
  firewalld:
     service: http
     state: enabled
     permanent: yes
     immediate: yes
- name: index
  template:
     src: templates/index.html.j2
     dest: /var/www/html/index.html
  notify:
     - restart
```

/home/sandy/ansible/roles/sample-apache/templates/index.html.j2

```
Welcome to {{ansible_fqdn}} {{ansible_default_ipv4.address}}
```

In /home/sandy/ansible/roles/sample-apache/handlers/main.yml

```
- name: restart
  service:
      name: httpd
      state: restarted
```

NEW QUESTION 2
Create a playbookthatchanges the default target onallnodes tomulti-usertarqet. Do this in playbook file called target.yml in/home/sandy/ansible

A. Mastered
B. Not Mastered

Answer: A

Explanation:
- name: change default target
hosts: all
tasks:
- name: change target
file:
src: /usr/lib/systemd/system/multi-user.target dest:/etc/systemd/system/default.target state: link

NEW QUESTION 3
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. Mastered
B. Not Mastered

Answer: A

Explanation:
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
...
```

NEW QUESTION 4
Create a file called adhoc.sh in /home/sandy/ansible which will use adhoc commands to set up a new 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.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

```
chmod0777adhoc.sh
vim adhoc.sh
#!/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'
```

NEW QUESTION 5
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 6
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 7
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 8
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 9
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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