# Red-Hat

## Exam Questions EX294

Red Hat Certified Engineer (RHCE) exam

**NEW QUESTION 1**
- (Exam Topic 2)
Create a playbook called web.yml as follows:
* The playbook runs on managed nodes in the "dev" host group
* Create the directory /webdev with the following requirements:
--> membership in the apache group
--> regular permissions: owner=r+w+execute, group=r+w+execute, other=r+execute s.p=set group-id
* Symbolically link /var/www/html/webdev to /webdev
* Create the file /webdev/index.html with a single line of text that reads: "Development"
-->
it should be available on http://servera.lab.example.com/webdev/index.html

A. Mastered
B. Not Mastered

**Answer:** A

**Explanation:**
Solution as:
# pwd
/home/admin/ansible/
# vim web.yml
--
- name: hosts: dev tasks:
- name: create group yum:
name: httpd state: latest
- name: create group group:
name: apache state: present
- name: creating directiory file:
path: /webdev state: directory mode: '2775' group: apache
- sefcontext:
target: '/webdev/index.html' setype: httpd_sys_content_t state: present
- name: Apply new SELinux file context to filesystem command: restorecon -irv
- name: creating symbolic link file:
src: /webdev
dest: /var/www/html/webdev state: link
force: yes
- name: creating file file:
path: /webdev/index.html
sate: touch
- name: Adding content to index.html file copy:
dest: /webdev/index.html content: "Development"
- name: add service to the firewall firewalld:
service: http permanent: yes state: enabled immediate: yes
- name: active http service service:
name: httpd state: restarted enabled: yes wq
# ansible-playbook web.yml -–syntax-check
# ansible-playbook web.yml

**NEW QUESTION 2**
- (Exam Topic 2)
Create a playbook called packages.yml that:
--------------------------------------------
--> Installs the php and mariadb packages on hosts in the dev, test, and prod host groups.
--> Installs the Development Tools package group on hosts in the dev host group.
--> Updates all packages to the latest version on hosts in the dev host group.

A. Mastered
B. Not Mastered

**Answer:** A

**Explanation:**
Solution as:
# pwd home/admin/ansible/
# vim packages.yml
--
- name: Install the packages hosts: dev,test,prod
vars:
- php_pkg: php
- mariadb_pkg: mariadb tasks:
- name: install the packages yum:
name:
- "{{ php_pkg }}"
- "{{ mariadb_pkg }}"
state: latest
- name: install the devops tool packages hosts: dev
tasks:
- name: install devepment tools yum:
name: "@Development Tools" state: latest

- name: upgrade all the packages yum:
name: "*" state: latest
exclude: kernel*
!wq
# ansible-playbook package.yml --syntax-check
# ansible-playbook package.yml


**NEW QUESTION 3**
- (Exam Topic 2)
Generate a hosts file:
*
Download an initial template file hosts.j2 from http://classroom.example.com/ hosts.j2 to
/home/admin/ansible/ Complete the template so that it can be used to generate a file with a
line for each inventory host in the same format as /etc/hosts: 172.25.250.9 workstation.lab.example.com workstation
* Create a playbook called gen_hosts.yml that uses this template to generate the file
/etc/myhosts on hosts in the dev host group.
* When completed, the file /etc/myhosts on hosts in the dev host group should have a line for
each managed host:
* 127.0.0.1 localhost localhost.localdomain localhost4 localhost4.localdomain4
::1 localhost localhost.localdomain localhost6 localhost6.localdomain6
* 172.25.250.10 serevra.lab.example.com servera
* 172.25.250.11 serevrb.lab.example.com serverb
* 172.25.250.12 serevrc.lab.example.com serverc
* 172.25.250.13 serevrd.lab.example.com serverd
----------------------------------------------------------------
while practising you to create these file hear. But in exam have to download as per questation.
hosts.j2 file consists.
localhost localhost.localdomain localhost4 localhost4.localdomain4
::1
localhost localhost.localdomain localhost6 localhost6.localdomain6
----------------------------------------------------------------

A. Mastered
B. Not Mastered

**Answer:** A

**Explanation:**
Solution as:
# pwd
/home/admin/ansible
#
wget http://classroom.example.com/hosts.j2
# vim hosts.j2
* 127.0.0.1 localhost localhost.localdomain localhost4 localhost4.localdomain4 ::1 localhost localhost.localdomain localhost6 localhost6.localdomain6
{% for host in groups['all'] %}
{{ hostvars[host]['ansible_facts']['default_ipv4']['address'] }} {{ hostvars[host] ['ansible_facts']['fqdn'] }} {{ hostvars[host]['ansible_facts']['hostname'] }}
{% endfor %} wq!
# vim gen_hosts.yml
--
- name: collecting all host information hosts: all
tasks:
- name: template: src: hosts.j2
dest: /etc/myhosts
when: inventory_hostname in groups['dev'] wq
# ansible-playbook gen_hosts.yml -–syntax-check
# ansible-playbook gen_hosts.yml


**NEW QUESTION 4**
- (Exam Topic 2)
Create and run an Ansible ad-hoc command.
--> As a system administrator, you will need to install software on the managed nodes.
--> Create a shell script called yum-pack.sh that runs an Ansible ad-hoc command to create yum-repository on each of the managed nodes as follows:
--> repository1
----------
* 1. The name of the repository is EX407
* 2. The description is "Ex407 Description"
* 3. The base URL is http://content.example.com/rhel8.0/x86_64/dvd/BaseOS/
* 4. GPG signature checking is enabled
* 5. The GPG key URL is http://content.example.com/rhel8.0/x86_64/dvd/RPM-GPG-KEYredhat- release
* 6. The repository is enabled
--> repository2
----------
* 1. The name of the repository is EXX407
* 2. The description is "Exx407 Description"
* 3. The base URL is http://content.example.com/rhel8.0/x86_64/dvd/AppStream/
* 4. GPG signature checking is enabled
* 5. The GPG key URL is http://content.example.com/rhel8.0/x86_64/dvd/ RPM-GPG-KEYredhat- release
* 6. The repository is enabled

A. Mastered

B. Not Mastered

**Answer:** A

**Explanation:**
Solution as:
# pwd
/home/admin/ansible
# vim yum-pack.sh
#!/bin/bash
ansible all -m yum_repository -a 'name=EX407 description="Ex407 Description"
baseurl=http://content.example.com/rhel8.0/x86_64/dvd/BaseOS/
gpgcheck=yes
gpgkey=http://content.example.com/rhel8.0/x86_64/dvd/RPM-GPG-KEY-redhat-release
enabled=yes'
ansible all -m yum_repository -a 'name=EXX407 description="Exx407 Description"
baseurl=http://content.example.com/rhel8.0/x86_64/dvd/AppStream/
gpgcheck=yes
gpgkey=http://content.example.com/rhel8.0/x86_64/dvd/RPM-GPG-KEY-redhat-release
enabled=yes'
!wq
# chmod +x yum-pack.sh
# bash yum-pack.sh
# ansible all -m command -a 'yum repolist all'

**NEW QUESTION 5**
- (Exam Topic 1)
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**
- (Exam Topic 1)
Create an empty encrypted file called myvault.yml in /home/sandy/ansible and set the password to
notsafepw. Rekey the password to iwejfj2221. See the

A. Mastered
B. Not Mastered

**Answer:** A

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

**NEW QUESTION 7**
- (Exam Topic 1)
Create a playbook called timesvnc.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:**
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**
- (Exam Topic 1)
Create a playbook /home/bob /ansible/motd.yml that runs on all inventory hosts and docs the following: The playbook should replaee any existing content of/etc/motd in the following text. Use ansible facts to display the FQDN of each host
On hosts in the dev host group the line should be "Welcome to Dev Server FQDN".
On hosts in the webserver host group the line should be "Welcome to Apache Server FQDN". On hosts in the database host group the line should be "Welcome to MySQL Server FQDN".

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

**NEW QUESTION 9**
- (Exam Topic 1)
Create a playbook called webdev.yml in '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
/Webdev to /var/www/html/webdev. Serve a file from Avebdev7index.html which displays the text "Development" Curl http://node1.example.com/webdev/index.html to 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 10**
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