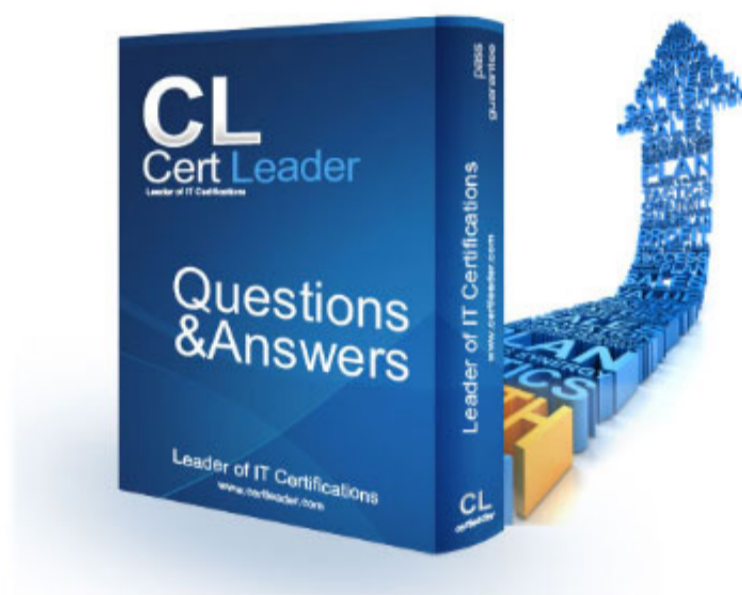


## EX294 Dumps

### Red Hat Certified Engineer (RHCE) exam

<https://www.certleader.com/EX294-dumps.html>



**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 firewallld:
```

```
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 role called apache in "/home/admin/ansible/roles" with the following requirements:

--> The httpd package is installed, enabled on boot, and started.

--> The firewall is enabled and running with a rule to allow access to the web server.

--> template file index.html.j2 is used to create the file /var/www/html/index.html with the output:

Welcome to HOSTNAME on IPADDRESS

--> Where HOSTNAME is the fqdn of the managed node and IPADDRESS is the IP-Address of the managed node.

note: you have to create index.html.j2 file.

--> Create a playbook called httpd.yml that uses this role and the playbook runs on hosts in the webservers host group.

A. Mastered

B. Not Mastered

**Answer: A**

**Explanation:**

Solution as:

```
-----
```

```
# pwd
```

```
/home/admin/ansible/roles/
```

```
# ansible-galaxy init apache
```

```
# vim apache/vars/main.yml
```

```
--
```

```
# vars file for apache http_pkg: httpd firewall_pkg: firewallld http_srv: httpd firewall_srv: firewallld rule: http
```

```
webpage: /var/www/html/index.html template: index.html.j2
```

```
wq!
```

```
# vim apache/tasks/package.yml
```

```
--
```

```
- name: Installing packages yum:
```

```
name:
```

```
- "{{http_pkg}}"
- "{{firewall_pkg}}" state: latest
wq!
# vim apache/tasks/service.yml
--
- name: start and enable http service service:
name: "{{http_srv}}"
enabled: true state: started
- name: start and enable firewall service service:
name: "{{firewall_srv}}" enabled: true
state: started wq!
# vim apache/tasks/firewall.yml
--
- name: Adding http service to firewall firewalld:
service: "{{rule}}" state: enabled permanent: true immediate: true wq!
# vim apache/tasks/webpage.yml
--
- name: creating template file template:
src: "{{template}}"
dest: "{{webpage}}" notify: restart_httpd
!wq
# vim apache/tasks/main.yml
# tasks file for apache
- import_tasks: package.yml
- import_tasks: service.yml
- import_tasks: firewall.yml
- import_tasks: webpage.yml wq!
# vim apache/templates/index.html.j2
Welcome to {{ ansible_facts.fqdn }} on {{ ansible_facts.default_ipv4.address }}
# vim apache/handlers/main.yml
--
# handlers file for apache
- name: restart_httpd service:
name: httpd state: restarted wq!
# cd ..
# pwd
/home/admin/ansible/
# vim httpd.yml
--
- name: Including apache role hosts: webserver
pre_tasks:
- name: pretask message
debug:
msg: 'Ensure webserver configuration' roles:
- ./roles/apache post_tasks:
- name: Check webserver uri:
url: "http://{{ ansible_facts.default_ipv4.address }}"
return_content: yes status_code: 200 wq!
# ansible-playbook httpd.yml --syntax-check
# ansible-playbook httpd.yml
#
curl http://serverx
```

### NEW QUESTION 3

- (Exam Topic 2)  
Modify file content.

-----  
Create a playbook called /home/admin/ansible/modify.yml as follows:

\* The playbook runs on all inventory hosts

\* The playbook replaces the contents of /etc/issue with a single line of text as follows:

--> On hosts in the dev host group, the line reads: "Development"

--> On hosts in the test host group, the line reads: "Test"

--> On hosts in the prod host group, the line reads: "Production"

A. Mastered  
B. Not Mastered

**Answer:** A

#### Explanation:

Solution as:

```
# pwd
/home/admin/ansible
# vim modify.yml
--
- name: hosts: all tasks:
- name: copy:
content: "Development" dest: /etc/issue
when: inventory_hostname in groups['dev']
- name: copy:
content: "Test" dest: /etc/issue
when: inventory_hostname in groups['test']
```

```
- name: copy:
content: "Production" dest: /etc/issue
when: inventory_hostname in groups['prod'] wq
# ansible-playbook modify.yml --syntax-check
# ansible-playbook modify.yml
```

**NEW QUESTION 4**

- (Exam Topic 2)

Rekey an existing Ansible vault as follows:

```
-----
*
Download Ansible vault from http:// classroom.example.com /secret.yml to /home/ admin/ansible/
* The current vault password is curabete
* The new vault password is newvare
* The vault remains in an encrypted state with the new password
```

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Solution as:

```
# pwd
/home/admin/ansible/
#
wget http://classroom.example.com/secret.yml
# chmod 0600 newpassword.txt
# ansible-vault rekey vault.yml --new-vault-password-file=newpassword.txt
```

**NEW QUESTION 5**

- (Exam Topic 1)

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 6**

- (Exam Topic 1)

Create a file in /home/sandy/ansible/ called report.yml. Using this playbook, get a file called report.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 information of the hosts. If a 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:**

Solution as:

```
- name: edit file
  hosts: all
  tasks:
    - name: copy file
      copy: report.txt
      dest: /root/report.txt
    - name: change host
      lineinfile:
        regex: ^HOST
        line: HOST={{ansible_hostname}}
        state: present
        path: /root/report.txt
    - name: change mem
      lineinfile:
        line: MEMORY={{ansible_memtotal_mb}}
        regex: ^MEMORY
        state: present
        path: /root/report.txt
```

```
- name: change bios
  lineinfile:
    line: BIOS={{ansible_bios_version}}
    regex: ^BIOS
    state: present
    path: /root/report.txt
- name: change vda
  lineinfile:
    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
  lineinfile:
    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 7

- (Exam Topic 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 called index.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 name and 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: webserver
  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 8

- (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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