

EX294 Dumps

Red Hat Certified Engineer (RHCE) exam

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NEW QUESTION 1

- (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 webserver 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: firewalld http_srv: httpd firewall_srv: firewalld 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 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)

Create a playbook called hwreport.yml that produces an output file called /root/ hwreport.txt on all managed nodes with the following information:

--> Inventory host name
--> Total memory in MB
--> BIOS version
--> Size of disk device vda
--> Size of disk device vdb
Each line of the output file contains a single key-value pair.
* Your playbook should:
-->
Download the file hwreport.empty from the URL <http://classroom.example.com/hwreport.empty> and save it as /root/hwreport.txt
--> Modify with the correct values.
note: If a hardware item does not exist, the associated value should be set to NONE

while practising you to create these file hear. But in exam have to download as per questation.
hwreport.txt file consists. my_sys=hostname
my_BIOS=biosversion my_MEMORY=memory my_vda=vdasize my_vdb=vdbsize

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Solution as:

```
# pwd
/home/admin/ansible
# vim hwreport.yml
- name: hosts: all
ignore_errors: yes tasks:
- name: download file get_url:
url: http://classroom.example.com/content/ex407/hwreport.empty dest: /root/hwreport.txt
- name: vdasize replace:
regexp: "vdasize"
replace: "{{ ansible_facts.devices.vda.size }}" dest: /root/hwreport.txt
register: op1
- debug:
```

```
var: op1
- name: none replace:
regexp: "vdasize" replace: NONE
dest: /root/hwreport.txt when:
op1.failed == true
- name: vdbsize replace:
regexp: "vdbsize"
replace: "{{ ansible_facts.devices.vdb.size }}" dest: /root/hwreport.txt
register: op2
- debug: var: op2
- name: none replace:
regexp: "vdbsize" replace: NONE
dest: /root/hwreport.txt when:
op2.failed == true
- name: sysinfo replace:
regexp: "{{item.src}}"
replace: "{{item.dest}}" dest: /root/hwreport.txt loop:
- src: "hostname"
dest: "{{ ansible_facts.fqdn }}"
- src: "biosversion"
dest: "{{ ansible_facts.bios_version }}"
- src: "memory"
dest: "{{ ansible_facts.memtotal_mb }}" wq!
# ansible-playbook hwreport.yml --syntax-check
# ansible-playbook hwreport.yml
```

NEW QUESTION 4

- (Exam Topic 2)

Use Ansible Galaxy with a requirements file called /home/admin/ansible/roles/ install.yml to download and install roles to /home/admin/ansible/roles from the following URLs:

<http://classroom.example.com/role1.tar.gz> The name of this role should be balancer

<http://classroom.example.com/role2.tar.gz> The name of this role should be phphello

A. Mastered

B. Not Mastered

Answer: A

Explanation:

Solution as:

```
# pwd
/home/admin/ansible/roles
# vim install.yml
--
src: http://classroom.example.com/role1.tar.gz name: balancer
src: http://classroom.example.com/role2.tar.gz name: phphello
wq!
# pwd
/home/admin/ansible
# ansible-galaxy install -r roles/install.yml -p roles
```

NEW QUESTION 5

- (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 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 iwej2221. 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: iwej2221 Confirm password: iwej2221

NEW QUESTION 7

- (Exam Topic 1)

Create a playbook called timesync.yml in /home/sandy/ansible using rhel system role timesync. Set the time to use currently configured ntp 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 file called requirements.yml in /home/sandy/ansible/roles a file called role.yml in /home/sandy/ansible/. The haproxy-role should be used on the proxy host. And when you curl <http://node3.example.com> it should display "Welcome to node4.example.com" and when you curl again "Welcome to node5.example.com" The php-role should be used on the prod host.

- 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 curl <http://node3.example.com>

NEW QUESTION 9

- (Exam Topic 1)

Create a playbook called webdev.yml in /home/sandy/ansible. The playbook will create a directory /webdev 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 /webdev/index.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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