

Red-Hat

Exam Questions EX294

Red Hat Certified Engineer (RHCE) exam



NEW QUESTION 1

- (Exam Topic 2)

Install and configure Ansible on the control-node control.realmX.example.com as follows:

--> Install the required packages
--> Create a static inventory file called /home/admin/ansible/inventory as follows: node1.realmX.example.com is a member of the dev host group
node2.realmX.example.com is a member of the test host group node3.realmX.example.com & node4.realmX.example.com are members of the prod host group
node5.realmX.example.com is a member of the balancers host group. prod group is a member of the webserver's host group
--> Create a configuration file called ansible.cfg as follows:
--> The host inventory file /home/admin/ansible/inventory is defined
--> The location of roles used in playbooks is defined as /home/admin/ansible/ roles

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Solution as:

Through physical host, login to workstation.lab.example.com with user root.

```
# ssh root@workstation.lab.example.com
# hostname workstation.lab.example.com
# yum install platform-python*
# su - admin
# pwd
/home/admin/
# vim .vimrc
# mkdir -p ansible/roles
# cd ansible
# vim inventory [dev]
servera.lab.example.com [test] serverb.example.com [prod] serverc.example.com serverd.example.com [balancer] serverd.lab.example.com [webserver:children]
prod
!wq
# vim ansible.cfg [defaults]
inventory = ./inventory
role_path = ./roles remote_user = admin ask_pass = false [privilege_escalation] become = true become_method = sudo become_user = root become_ask_pass =
false
!wq
# ansible all --list-hosts
```

NEW QUESTION 2

- (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 3

- (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 4

- (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 5

- (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 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 6

- (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 7

- (Exam Topic 1)

Create a jinja template in /home/sandy/ansible/ and name it hosts.j2. Edit this file so it looks like the one below. The order of the nodes doesn't matter. Then create a playbook in /home/sandy/ansible called hosts.yml and install the template on dev node at /root/myhosts

```
127.0.0.1 localhost localhost.localdomain localhost4 localhost4.localdomain4
::1 localhost localhost.localdomain localhost6 localhost6.localdomain6

10.0.2.1 node1.example.com node1
10.0.2.2 node2.example.com node2
10.0.2.3 node3.example.com node3
10.0.2.4 node4.example.com node4
10.0.2.5 node5.example.com node5
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Solution as:

in /home/sandy/ansible/hosts.j2

```
{%for host in groups['all']%}
{{hostvars[host]['ansible_default_ipv4']['address']}} {{hostvars[host]['ansible_fqdn']}}
{{hostvars[host]['ansible_hostname']}}
{%endfor%}
```

in /home/sandy/ansible/hosts.yml

```
- name: use template
hosts: all
template:
  src: hosts.j2
  dest: /root/myhosts
when: "dev" in group_names
```

NEW QUESTION 10
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