

Red-Hat

Exam Questions EX294

Red Hat Certified Engineer (RHCE) exam



NEW QUESTION 1

- (Exam Topic 2)

Create Logical volumes with lvm.yml in all nodes according to following requirements.

- * Create a new Logical volume named as 'data'
- * LV should be the member of 'research' Volume Group
- * LV size should be 1500M
- * It should be formatted with ext4 file-system.

--> If Volume Group does not exist then it should print the message "VG Not found"

--> If the VG can not accommodate 1500M size then it should print "LV Can not be created with following size", then the LV should be created with 800M of size.

--> Do not perform any mounting for this LV.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Solution as:

```
# pwd
/home/admin/ansible
# vim lvm.yml
--
- name: hosts: all
ignore_errors: yes tasks:
- name: lvol: lv: data
vg: research size: "1500"
- debug:
msg: "VG Not found"
when: ansible_lvm.vgs.research is not defined
- debug:
msg: "LV Can not be created with following size" when: ansible_lvm.vgs.research.size_g < "1.5"
- name: lvol: lv: data
vg: research size: "800"
when: ansible_lvm.vgs.research.size_g < "1.5"
- name:
filesystem: fstype: ext4
dev: /dev/research/data wq!
# ansible-playbook lvm.yml --syntax-check
# ansible-playbook lvm.yml
```

NEW QUESTION 2

- (Exam Topic 2)

Create a playbook called balance.yml as follows:

- * The playbook contains a play that runs on hosts in balancers host group and uses the balancer role.

--> This role configures a service to loadbalance webserver requests between hosts in the webserver host group.

--> When implemented, browsing to hosts in the balancers host group (for example <http://node5.example.com>) should produce the following output:

Welcome to node3.example.com on 192.168.10.z

--> Reloading the browser should return output from the alternate web server: Welcome to node4.example.com on 192.168.10.a

- * The playbook contains a play that runs on hosts in webserver host group and uses the phphello role.

--> When implemented, browsing to hosts in the webserver host group with the URL / hello.php should produce the following output:

Hello PHP World from FQDN

--> where FQDN is the fully qualified domain name of the host. For example, browsing to <http://node3.example.com/hello.php>, should produce the following output: Hello PHP World from node3.example.com

*

Similarly, browsing to <http://node4.example.com/hello.php>, should produce the following output:

Hello PHP World from node4.example.com

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Solution as:

```
# pwd
/home/admin/ansible/
# vim balancer.yml
--
- name: Including phphello role hosts: webserver
roles:
- ./roles/phphello
- name: Including balancer role hosts: balancer
roles:
- ./roles/balancer wq!
# ansible-playbook balancer.yml --syntax-check
```

ansible-playbook balancer.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)

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 webservers 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 5

- (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.localhost localhost4 localhost4.localhost4

::1 localhost localhost.localhost localhost6 localhost6.localhost6

* 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 question.

hosts.j2 file consists.

localhost localhost.localhost localhost4 localhost4.localhost4

::1

localhost localhost.localhost localhost6 localhost6.localhost6

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.localhost localhost4 localhost4.localhost4 ::1 localhost localhost.localhost localhost6 localhost6.localhost6
{% 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 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)

Install and configure ansible

User bob has been created on your control node. Give him the appropriate permissions on the control node. Install the necessary packages to run ansible on the control node.

Create a configuration file /home/bob/ansible/ansible.cfg to meet the following requirements:

- The roles path should include /home/bob/ansible/roles, as well as any other path that may be required for the course of the sample exam.
- The inventory file path is /home/bob/ansible/inventory.
- Ansible should be able to manage 10 hosts at a single time.
- Ansible should connect to all managed nodes using the bob user. Create an inventory file for the following five nodes: nodel.example.com

node2.example.com node3.example.com node4.example.com node5.example.com

Configure these nodes to be in an inventory file where node1 is a member of group dev. node2 is a member of group test, node3 is a member of group proxy, node4 and node 5 are members of group prod. Also, prod is a member of group webservers.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

```
In/home/sandy/ansible/ansible.cfg
[defaults]
inventory=/home/sandy/ansible/inventory
roles_path=/home/sandy/ansible/roles
remote_user= sandy
host_key_checking=false
[privilegeescalation]
become=true
become_user=root
become_method=sudo
become_ask_pass=false
In /home/sandy/ansible/inventory
[dev]
node 1.example.com
[test]
node2.example.com
[proxy]
node3 .example.com
[prod]
node4.example.com
node5 .example.com
[webservers:children]
prod
```

NEW QUESTION 8

- (Exam Topic 1)

Create a file called packages.yml in /home/sandy/ansible to install some packages for the following hosts. On dev, prod and webservers install packages httpd, mod_ssl, and mariadb. On dev only install the development tools package. Also, on dev host update all the packages to the latest.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Solution as:

```
---
- name: install pack
  hosts: dev,test,webservers
  become: true
  tasks:
    - name: install on all hosts in this play
      yum:
        name:
          - httpd
          - mod_ssl
          - mariadb
        state: latest
    - name: install on dev only
      yum:
        name:
          - '@Development tools'
        state: latest
      when: "dev" in group_names
~
```

** NOTE 1 a more acceptable answer is likely 'present' since it's not asking to install the latest

state: present

** NOTE 2 need to update the development node

- name: update all packages on development node yum:

**name:

state: latest

NEW QUESTION 9

- (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 10

- (Exam Topic 1)

Create a file called requirements.yml in /home/sandy/ansible/roles to install two roles. The source for the first role is geerlingguy.haproxy and geerlingguy.php. Name the first haproxy-role and the second php-role. The roles should be installed in /home/sandy/ansible/roles.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

in /home/sandy/ansible/roles vim requirements.yml

```
- src: geerlingguy.haproxy
  name: haproxy-role
- src: geerlingguy.php_role
  name: php_role
```

Run the requirements file from the roles directory:

ansible-galaxy install -r requirements.yml -p /home/sandy/ansible/roles

NEW QUESTION 10

- (Exam Topic 1)

Create a file called specs.empty in home/bob/ansible on the local machine as follows: HOST=

MEMORY= BIOS=

VDA_DISK_SIZE= VDB_DISK_SIZE=

Create the playbook /home/bob/ansible/specs.yml which copies specs.empty to all remote nodes' path

/root/specs.txt. Using the specs.yml playbook then edit specs.txt on the remote machines to reflect the appropriate ansible facts.

- 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 15

- (Exam Topic 1)

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.rpm' 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:

```
chmod 0777 adhoc.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.rpm
gpgcheck=no enabled=yes'
```

NEW QUESTION 20

- (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 25

- (Exam Topic 1)

Create a playbook `/home/bob/ansible/motd.yml` that runs on all inventory hosts and does the following: The playbook should replace 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: webserver
  roles:
    - sample-apache
```

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

NEW QUESTION 27

- (Exam Topic 1)

Create an ansible vault password file called `lock.yml` with the password `reallysafepw` in the

`/home/sandy/ansible` directory. In the `lock.yml` file define two variables. One is `pw_dev` and the password is 'dev' and the other is `pw_mgr` and the password is 'mgr'

Create a regular file called `secret.txt` which contains the password for `lock.yml`.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

`ansible-vault create lock.yml`

New Vault Password: `reallysafepw` Confirm: `reallysafepw`

In File:

```
pw_dev: dev
pw_mgr: mgr
```

NEW QUESTION 31

.....

Thank You for Trying Our Product

We offer two products:

1st - We have Practice Tests Software with Actual Exam Questions

2nd - Questions and Answers in PDF Format

EX294 Practice Exam Features:

- * EX294 Questions and Answers Updated Frequently
- * EX294 Practice Questions Verified by Expert Senior Certified Staff
- * EX294 Most Realistic Questions that Guarantee you a Pass on Your First Try
- * EX294 Practice Test Questions in Multiple Choice Formats and Updates for 1 Year

100% Actual & Verified — Instant Download, Please Click
[Order The EX294 Practice Test Here](#)