



**Free Questions for EX294 by ebraindumps**

**Shared by Maxwell on 06-06-2022**

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# Question 1

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## Question Type: MultipleChoice

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

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- \* 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.

## Options:

---

**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
```

## Answer:

---

A

## Question 2

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### Question Type: MultipleChoice

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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
```

### Options:

---

**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
```



Topic 2, LAB SETUP -- 2

control.realmX.example.com \_ workstation.lab.example.com

node1.realmX.example.com \_ servera.lab.example.com

node2.realmX.example.com \_ serverb.lab.example.com

node3.realmX.example.com \_ serverc.lab.example.com

node4.realmX.example.com \_ serverd.lab.example.com

node5.realmX.example.com

- username:root, password:redhat

- username:admin, password:redhat

note1. don't change 'root' or 'admin' password.

note2. no need to create ssh-keygen for access, its pre-defined

note3. SELinux is in enforcing mode and firewalld is disabled/stop on whole managed hosts.

**Answer:**

---

A

## Question 3

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**Question Type:** MultipleChoice

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Install and configure ansible

User sandy has been created on your control node with the appropriate permissions already, do not change or modify ssh keys. Install the necessary packages to run ansible on the control node. Configure ansible.cfg to be in folder /home/sandy/ansible/ansible.cfg and configure to access remote machines via the sandy user. All roles should be in the path /home/sandy/ansible/roles. The inventory path should be in /home/sandy/ansible/inventory.

You will have access to 5 nodes.

node3.example.com

Configure these nodes to be in an inventory file where node 1 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.

## Options:

---

**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]
node1 .example.com
[test]
node2.example.com
[proxy]
node3 .example.com
[prod]
node4.example.com
node5 .example.com
[webservers:children]
prod
```

**Answer:**

---

A

## Question 4

---

**Question Type: MultipleChoice**

---

Create a playbook that changes the default target on all nodes to multi-user target. Do this in playbook file called target.yml in /home/sandy/ansible

## Options:

---

**A-** Explanation:

- name: change default target

hosts: all

tasks:

- name: change target

file:

src: /usr/lib/systemd/system/multi-user.target dest: /etc/systemd/system/default.target state: link

## Answer:

---

A

## Question 5

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**Question Type: MultipleChoice**

---

Create an empty encrypted file called myvault.yml in /home/sandy/ansible and set the password to notsafepw. Rekey the password to iwej2221.

## Options:

---

**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

## Answer:

---

A

## Question 6

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**Question Type:** MultipleChoice

---

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.

## Options:

---

**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
```

**Answer:**

---

A

## Question 7

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**Question Type:** MultipleChoice

---

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

Awebdev7index.html which displays the text "Development" Curl <http://node1.example.com/webdev/index.html> to test

## Options:

---

**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
```



**Answer:**

---

A

## Question 8

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**Question Type: MultipleChoice**

---

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.

**Options:**

---

**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
```

**Answer:**

---

A

## Question 9

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**Question Type:** MultipleChoice

---

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.

## Options:

---

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
```

/home/sandy/ansible/roles/sample-apache/templates/index.html.j2

```
Welcome to {{ansible_fqdn}} {{ansible_d
```

In /home/sandy/ansible/roles/sample-apache/handlers/main.yml

```
- name: restart
  service:
    name: httpd
    state: restarted
```

**Answer:**

---

A

**Question 10**

---

**Question Type: MultipleChoice**

---

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.

**Options:**

---

**A-** Explanation:

Solution as:

---

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

\*\* 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

**Answer:**

---

A



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