



**Free Questions for EX294 by dumpssheet**

**Shared by Cunningham on 07-06-2022**

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# Question 1

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## Question Type: MultipleChoice

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Install and configure ansible

User sandy 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/sandy/ansible/ansible.cfg` to meet the following requirements:

- \* The roles path should include `/home/sandy/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/sandyansible/inventory`.
- \* Ansible should be able to manage 10 hosts at a single time.
- \* Ansible should connect to all managed nodes using the sandy user.

Create an inventory file for the following five nodes:

Configure these nodes to be in an inventory file where node1 is a member of group dev. nodc2 is a member of group test, nodc3 is a member of group proxy, nodc4 and node 5 are members of group prod. Also, prod is a member of group web servers.

**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]
```

```
node 1 .example.com
```

```
[test]
```

```
node2.example.com
```

```
[proxy]
```

```
node3 .example.com
```

```
[prod]
```

```
node4.example.com
```

```
node5 .example.com
```

```
[webservers:children]
```

```
prod
```

**Answer:**

---

A

## Question 2

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**Question Type:** MultipleChoice

---

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`

image not found or type unknown



**Options:**

---

**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
```

**Answer:**

---

A

## Question 3

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**Question Type:** MultipleChoice

---

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

HOST=

MEMORY=

BIOS=

VDA\_DISK\_SIZE=

VDB\_DISK\_SIZE=

Create the playbook /home/sandy/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.

### **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
```

**Answer:**

---

A

## Question 4

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**Question Type:** MultipleChoice

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In /home/sandy/ansible/ create a playbook called logvol.yml. In the play create a logical volume called lv0 and make it of size 1500MiB on volume group vg0. If there is not enough space in the volume group print a message 'Not enough space for logical volume' and then make a 800MiB lv0 instead. If the volume group still doesn't exist, create a message 'Volume group doesn't exist'. Create an xfs filesystem on all lv0 logical volumes. Don't mount the logical volume.

**Options:**

---

**A)** Explanation:

Solution as:

```
- name: hosts
hosts: all
tasks:
- name: create partition
  parted:
    device: /dev/vdb
    number: 1
    flags: [ lvm ]
    state: present
- name: create vg
  lvg:
    vg: vg0
    pvs: /dev/vdb1
    when: ansible_devices.vdb.partitions.vdb1 is defined
- name: create logical volume
  lvol:
    vg: vg0
    lv: lv0
    size: 1500m
    when: ansible_lvm.vgs.vg0 is defined and ( (ansible_lvm.vgs.vg0.size_g | float ) > 1.5)
- name: send message if volume group not large enough
```

**Answer:**

---

A

## Question 5

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**Question Type: MultipleChoice**

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Create a playbook `/home/sandy/ansible/motd.yml` that runs on all inventory hosts and docs 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'.

**Options:**

---

**A)** Explanation:

`/home/sandy/ansible/apache.yml`

```
---  
- name: http  
  hosts: webserver  
  roles:  
    - sample-apache
```

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

**Answer:**

---

A

## Question 6

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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 iwej2331.

### Options:

---

A) ansible-vault create myvault.yml

Create new password: notsafepw Confirm password: notsafepw ansible-vault rekey myvault.yml

Current password: notsafepw New password: iwej fj2331 Confirm password: iwej fj2221

B) ansible-vault create myvault.yml

Create new password: notsafepw Confirm password: notsafepw ansible-vault rekey myvault.yml

Current password: notsafepw New password: iwej fj2221 Confirm password: iwej fj2221

### Answer:

---

B

## Question 7

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**Question Type: MultipleChoice**

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Create an empty encrypted file called myvault.yml in /home/sandy/ansible and set the password to notsafepw. Rekey the password to iwej fj2331.

### Options:

---

A) ansible-vault create myvault.yml

Create new password: notsafepw Confirm password: notsafepw ansible-vault rekey myvault.yml

Current password: notsafepw New password: iwejff2331 Confirm password: iwejff2221

B) ansible-vault create myvault.yml

Create new password: notsafepw Confirm password: notsafepw ansible-vault rekey myvault.yml

Current password: notsafepw New password: iwejff2221 Confirm password: iwejff2221

**Answer:**

---

B

## Question 8

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**Question Type: MultipleChoice**

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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

image not found or type unknown



## Options:

---

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
```

## Answer:

---

A



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