



# EX294<sup>Q&As</sup>

Red Hat Certified Engineer (RHCE) exam for Red Hat Enterprise Linux  
8 Exam

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### QUESTION 1

Please open the ip\_forward and take effect permanently.

A. Answer: See the for complete Solution below.

Correct Answer: A

```
# vim /etc/sysctl.conf
    net.ipv4.ip_forward = 1
# sysctl -w (takes effect immediately)
```

If no "sysctl.conf" option, use these commands:

```
# sysctl -a |grep net.ipv4
# sysctl -P net.ipv4.ip_forward = 1
# sysctl -w
```

---

### QUESTION 2

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. Answer: See the for complete Solution below.

Correct Answer: A

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
```

### QUESTION 3

Create an Ansible vault to store user passwords as follows:

\*

The name of the vault is valut.yml



\*

The vault contains two variables as follows:

-dev\_pass with value wakennym

-mgr\_pass with value rocky

\*

The password to encrypt and decrypt the vault is atenorth

\*

The password is stored in the file /home/admin/ansible/password.txt

A.

Answer: See the for complete Solution below.

Correct Answer: A

Solution as: # pwd /home/admin/ansible # echo "atenorth" >password.txt # chmod 0600 password.txt # ansible-vault create vault.yml --vault-password-file=password.txt --

-dev\_pass: wakennym

-mgr\_pass: rocky wq # cat vault.yml \$ANSIBLE\_VAULT;1.1;AES256  
363838623761643164363536653437656433313934333735646137626665313130343364 38353662  
3464346331346461306337633632393563643531376139610a3435313261306632666135 33633562  
386234393166313064636237613439393732633331343532643338343532643439343737 65643737  
3535303630626666370a6436633666343838633933386166616666323531393064363164 30616334  
653861343933636431333637386561306365323464313762656130663261626434376430 64313863  
6633333537303334333437646163343666666132316639376531 # ansible-vault view vault.yml password:\*\*\*\*\*

-dev\_pass: wakennym

-mgr\_pass: rocky

#### QUESTION 4

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. Answer: See the for complete Solution below.

Correct Answer: A

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
```

## QUESTION 5

There were two systems:

system1, main system on which most of the configuration take place system2, some configuration here Configure selinux.

Configure your systems that should be running in Enforcing.

A. Answer: See the for complete Solution below.

Correct Answer: A

```
# vim /etc/selinux/config
SELINUX=enforcing
```

After reboot and verify with this command

```
# getenforce
```

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