Exam Questions EX294

Red Hat Certified Engineer (RHCE) exam

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NEW QUESTION 1
- (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 webservers host group.curl
--> 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 webservers host group and uses the phphello role.
--> When implemented, browsing to hosts in the webservers 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: webservers
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 2
- (Exam Topic 2)
Rekey an existing Ansible vault as follows:
----
*
Download Ansible vault from http:// classroom.example.com /secret.yml to /home/ admin/ansible/
* The current vault password is curabete
* The new vault password is newvare
* The vault remains in an encrypted state with the new password

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Solution as:
pwd
/home/admin/ansible/
#
wget http://classroom.example.com/secret.yml
chmod 0600 newpassword.txt
ansible-vault rekey vault.yml --new-vault-password-file=newpassword.txt

NEW QUESTION 3
- (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 4
- (Exam Topic 1)
Create a Shell script /root/program:
The shell script will come back to "user" parameter when you are entering "kernel" parameter.
The shell script will come back to "kernel" when you are entering "user" parameter.
It will output the standard error when this script "usage:/root/program kernel|user" don't input any parameter or the parameter you inputted is entered as the requirements.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

```
[root@server1 virtual]# cat/root/program
#!/bin/bash
param1="$1"
if [ "$param1" == "kernel" ]; then
echo "user"
elif [ "$param1" == "user" ]; then
echo "kernel"
else
echo "usage:/root/program kernel|user"
if
[root@server1 ~]# chmod +x /root/program
```


NEW QUESTION 5
- (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
    lineinefile:
        regex: ^HOST
        line: HOST={{ansible_hostname}}
        state: present
        path: /root/report.txt
  - name: change mem
    lineinefile:
        line: MEMORY={{ansible_memtotal_mb}}
        regex: ^MEMORY
        state: present
        path: /root/report.txt
```

```
  - name: change bios
    lineinefile:
        line: BIOS={{ansible_bios_version}}
        regex: ^BIOS
        state: present
        path: /root/report.txt
  - name: change vda
    lineinefile:
        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
    lineinefile:
        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 6
- (Exam Topic 1)
Create a playbook called issue.yml in /home/sandy/ansible which changes the file /etc/issue on all managed nodes: If host is a member of (lev then write "Development" If host is a member of test then write "Test" If host is a member of prod then write "Production"

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Solution as:

```
---
- name: issue file
  hosts: dev,test,prod
  tasks:
      - name: edit development node
        copy:
            content: Development
            dest: /etc/issue
        when: "dev" in group_names
      - name: edit test node
        copy:
            content: Test
            dest: /etc/issue
        when: "test" in group_names
      - name: edit development node
        copy:
            content: Production
            dest: /etc/issue
        when: "prod" in group_names
...
```

NEW QUESTION 7
- (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 8
- (Exam Topic 1)
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 vgO 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.

A. Mastered

B. Not Mastered

Answer: 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
    debug:
      msg: Not enough space for logical volume
    when: ansible_lvm.vgs.vg0 is defined and ( (ansible_lvm.vgs.vg0.size_g | float ) < 1.5)
  - name: create a smaller 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: create fs
    filesystem:
      dev: /dev/vg0/lv0
      fstype: xfs
    when: ansible_lvm.vgs.vg0 is defined
```

NEW QUESTION 10
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