DBCLOUD
EXAMS

QUESTIONS & ANSWERS

verified



Technology Provider: RedHat

Exam: Red Hat Certified Engineer (RHCE)

Number of questions in the database: 31

Exam Version: NOV.2026

Question #1*Topic 1*

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

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

Question #2*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.

https://dbcloud.academy/

* 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. 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 webservers.

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

https://dbcloud.academy/

[webservers:children]
prod

Question #3*Topic 1*

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

Explanation:

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

https://dbcloud.academy/

cat vault.yml

$ANSIBLE_VAULT;1.1;AES256

3638386237616431643635366534376564333139343337356461376266653131303433643835366
2

3464346331346461306337633632393563643531376139610a3435313261306632666135336335
62

3862343931663130646362376134393937326333313435326433383435326434393437376564373
7

3535303630626666370a643663366634383863393338616661666632353139306436316430616334

6538613439336364313336373865613063653234643137626561306632616264343764306431386
3

6633333537303334333437646163343666666132316639376531

ansible-vault view vault.yml

password:******

- dev_pass: wakennym

- mgr_pass: rocky

Question #4*Topic 1*

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

https://dbcloud.academy/

* 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.

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:

https://dbcloud.academy/

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

Question #5*Topic 1*

Create a role called apache in "/home/admin/ansible/roles" with the following

requirements:

--> The httpd package is installed, enabled on boot, and started.

--> The firewall is enabled and running with a rule to allow access to the web server.

--> template file index.html.j2 is used to create the file /var/www/html/index.html

https://dbcloud.academy/