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

RedHat EX294

Version Demo

Total Demo Questions: 5

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Topic Break Down

Topic	No. of Questions
Topic 1, LAB SETUP	19
Topic 2, LAB SETUP – 2	16
Total	35

QUESTION NO: 1 - (SIMULATION)

Install the RHEL system roles package and create a playbook called timesync.yml that:

--> Runs over all managed hosts.

--> Uses the timesync role.

--> Configures the role to use the time server 192.168.10.254 (Hear in redhat lab

use "classroom.example.com")

--> Configures the role to set the iburst parameter as enabled.

ANSWER: SeetheExplanationforcompleteSolutionbelow.

Explanation:

Solution as:

pwd

home/admin/ansible/

sudo yum install rhel-system-roles.noarch -y

cd roles/

ansible-galaxy list

cp -r /usr/share/ansible/roles/rhelsystem-roles.timesync .

vim timesync.yml

- name: timesynchronization

hosts: all

vars:

timesync_ntp_provider: chrony

timesync_ntp_servers:

- hostname: classroom.example.com _ in exam its ip-address

iburst: yes

timezone: Asia/Kolkata

roles:

- rhel-system-roles.timesync

tasks:

- name: set timezone

timezone:

name: "{{ timezone }}"

:wq!

timedatectl list-timezones | grep india

ansible-playbook timesync.yml --syntax-check

ansible-playbook timesync.yml

ansible all -m shell -a 'chronyc sources -v'

ansible all -m shell -a 'timedatectl'

ansible all -m shell -a 'systemctl is-enabled chronyd'

QUESTION NO: 2 - (SIMULATION)

Modify file content.

Create a playbook called /home/admin/ansible/modify.yml as follows:

* The playbook runs on all inventory hosts

* The playbook replaces the contents of /etc/issue with a single line of text as

follows:

--> On hosts in the dev host group, the line reads: “Development”

--> On hosts in the test host group, the line reads: “Test”

--> On hosts in the prod host group, the line reads: “Production”

ANSWER: SeetheExplanationforcompleteSolutionbelow.

Explanation:

Solution as:

pwd

/home/admin/ansible

vim modify.yml

- name:

hosts: all

tasks:

- name:

copy:

content: "Development"

dest: /etc/issue

when: inventory_hostname in groups['dev']

- name:

copy:

content: "Test"

dest: /etc/issue

when: inventory_hostname in groups['test']

- name:

copy:

content: "Production"

dest: /etc/issue

when: inventory_hostname in groups['prod']

:wq

ansible-playbook modify.yml –-syntax-check

ansible-playbook modify.yml

QUESTION NO: 3 - (SIMULATION)

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/invenlory.

You will have access to 5 nodes.

node1.example.com

node2.example.com

node3.example.com

node4.example.com

node5.example.com

Configure these nodes to be in an inventory file where node I is a member of group dev. nodc2 is a member of group test, node3 is a member of group proxy, nodc4 and node 5 are members of group prod. Also, prod is a member of group webservers.

ANSWER: SeetheExplanationforcompleteSolutionbelow.

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

QUESTION NO: 4 - (SIMULATION)

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

* 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.

ANSWER: SeetheExplanationforcompleteSolutionbelow.

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

QUESTION NO: 5 - (SIMULATION)

Create a playbook /home/bob /ansible/motd.yml that runs on all inventory hosts and docs the following: The playbook should replaee 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".

ANSWER: SeetheExplanationforcompleteSolutionbelow.

Explanation:

/home/sandy/ansible/apache.yml

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