DUMPSARENA

Red Hat Certified Specialist in Advanced Automation: Ansible Best Practices

RedHat EX447

Version Demo

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QUESTION NO: 1 - (SIMULATION)

Using the Simulation Program, perform the following tasks:

1. Use an ansible ad-hoc command, check the connectivity of your servers.

2. Use an ad-hoc ansible command, find the free space of your servers.

3. Use an ad-hoc ansible command, find out the memory usage of your servers.

4. Do an ls -l on the targets /var/log/messages file.

5. Tail the contents of the targets /var/log/messages file.

ANSWER: SeetheforcompleteSolutionbelow.

Explanation:

1. ansible all -m ping

2. ansible all -a "/bin/df -h"

3. ansible all -a "/usr/bin/free"

4. ansible all -a "ls -l /var/log/messages"

5. ansible local -b -a "tail /var/log/messages"

QUESTION NO: 2 - (SIMULATION)

Create a playbook called regulartasks.yml which has the system that append the date to /root/datefile every day at noon. Name is job 'datejob'

ANSWER: SeetheExplanationforcompleteSolutionbelow.

Explanation:

Solution as:

```
- name: Creates a cron file under /etc/cron.d
cron:
  name: datejob
  hour: "12"
  user: root
  job: "date >> /root/ datefile"
```

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

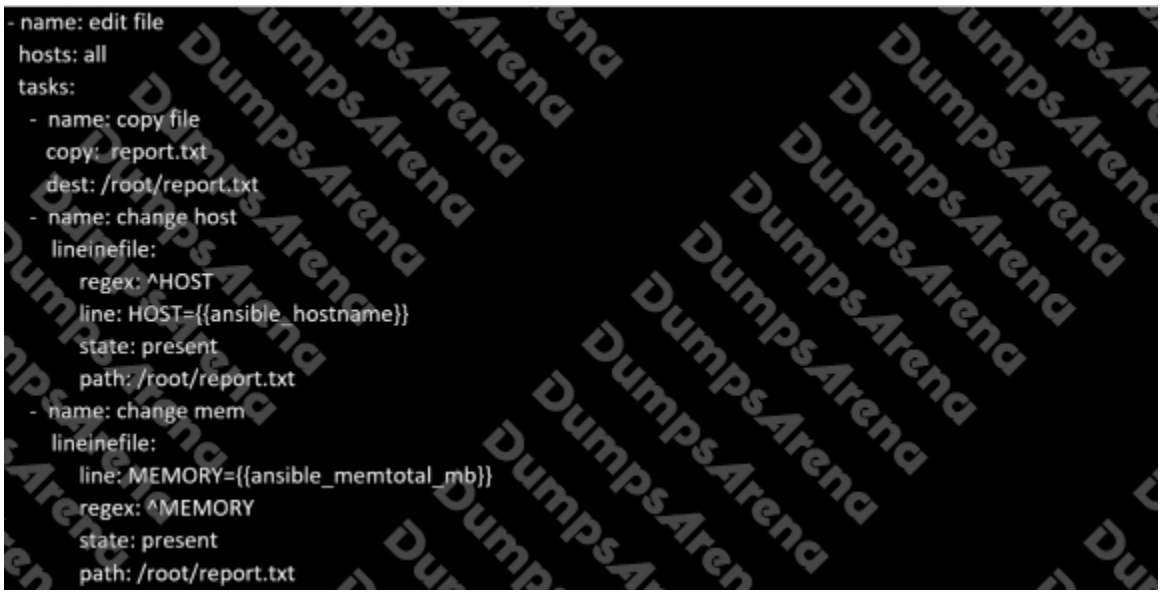
QUESTION NO: 4 - (SIMULATION)

Create 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.

ANSWER: SeetheExplanationforcompleteSolutionbelow.

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
```

QUESTION NO: 5 - (SIMULATION)

Using the Simulation Program, perform the following tasks:

Ad-Hoc Ansible Commands (Number Two) Task:

1. Use the ad-hoc command to make sure php is installed.

2. Use the ad-hoc command to make sure that php is installed and is the latest version.

3. Use the ad-hoc command to make sure that httpd is installed.

4. Use the ad-hoc command to remove httpd from the servers.

ANSWER: SeetheforcompleteSolutionbelow.

Explanation:

1. ansible all -b -m yum -a 'name=php state=present'

2. ansible all -b -m yum -a 'name=php state=latest'

3. ansible all -b -m yum -a 'name=httpd state=latest'

4. ansible all -b -m yum -a 'name=httpd state=absent'