

Red-Hat

Exam Questions EX294

Red Hat Certified Engineer (RHCE) exam



NEW QUESTION 1

- (Exam Topic 2)

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. Mastered
- B. Not Mastered

Answer: A

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
# cat vault.yml
$ANSIBLE_VAULT;1.1;AES256 36383862376164316436353665343765643331393433373564613762666531313034336438353662
3464346331346461306337633632393563643531376139610a343531326130663266613533633562
38623439316631306463623761343939373263333134353264333834353264343934373765643737
3535303630626666370a643663366634383863393338616661666632353139306436316430616334
65386134393363643133363738656130636532346431376265613066326162643437643064313863
6633333537303334333437646163343666666132316639376531
# ansible-vault view vault.yml password:*****
--
- dev_pass: wakennym
- mgr_pass: rocky
```

NEW QUESTION 2

- (Exam Topic 2)

Create a playbook called packages.yml that:

- > Installs the php and mariadb packages on hosts in the dev, test, and prod host groups.
- > Installs the Development Tools package group on hosts in the dev host group.
- > Updates all packages to the latest version on hosts in the dev host group.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Solution as:

```
# pwd home/admin/ansible/
# vim packages.yml
--
- name: Install the packages hosts: dev,test,prod
vars:
- php_pkg: php
- mariadb_pkg: mariadb tasks:
- name: install the packages yum:
name:
- "{{ php_pkg }}"
- "{{ mariadb_pkg }}"
state: latest
- name: install the devops tool packages hosts: dev
tasks:
- name: install devepment tools yum:
name: "@Development Tools" state: latest
- name: upgrade all the packages yum:
name: "*" state: latest
exclude: kernel*
!wq
# ansible-playbook package.yml --syntax-check
# ansible-playbook package.yml
```

NEW QUESTION 3

- (Exam Topic 2)

Install and configure Ansible on the control-node control.realmX.example.com as follows:

--> Install the required packages
 --> Create a static inventory file called /home/admin/ansible/inventory as follows: node1.realmX.example.com is a member of the dev host group
 node2.realmX.example.com is a member of the test host group node3.realmX.example.com & node4.realmX.example.com are members of the prod host group
 node5.realmX.example.com is a member of the balancers host group. prod group is a member of the webserver's host group
 --> Create a configuration file called ansible.cfg as follows:
 --> The host inventory file /home/admin/ansible/inventory is defined
 --> The location of roles used in playbooks is defined as /home/admin/ansible/roles

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Solution as:

Through physical host, login to workstation.lab.example.com with user root.

```
# ssh root@workstation.lab.example.com
# hostname workstation.lab.example.com
# yum install platform-python*
# su - admin
# pwd
/home/admin/
# vim .vimrc
# mkdir -p ansible/roles
# cd ansible
# vim inventory [dev]
servera.lab.example.com [test] serverb.example.com [prod] serverc.example.com serverd.example.com [balancer] serverd.lab.example.com [webserver:children]
prod
!wq
# vim ansible.cfg [defaults]
inventory = ./inventory
role_path = ./roles remote_user = admin ask_pass = false [privilege_escalation] become = true become_method = sudo become_user = root become_ask_pass =
false
!wq
# ansible all --list-hosts
```

NEW QUESTION 4

- (Exam Topic 2)

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.

- A. Mastered
- B. Not Mastered

Answer: A

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'
```

NEW QUESTION 5

- (Exam 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.

- 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: 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 node1 is a member of group dev. node2 is a member of group test, node3 is a member of group proxy, node4 and node 5 are members of group prod. Also, prod is a member of group webservers.

- A. Mastered
- B. Not Mastered

Answer: A

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
```

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 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. 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
      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
```

NEW QUESTION 10

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