

Exam Questions EX447

Red Hat Certified Specialist in Advanced Automation: Ansible Best Practices

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NEW QUESTION 1

Create an empty encrypted file called myvault.yml in /home/sandy/ansible and set the password to notsafepw. Rekey the password to iwej2221.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

ansible-vault create myvault.yml

Create new password: notsafepw Confirm password: notsafepw ansible-vault rekey myvault.yml

Current password: notsafepw New password: iwej2221 Confirm password: iwej2221

NEW QUESTION 2

Create a playbook called webdev.yml in 'home/sandy/ansible'. The playbook will create a directory Avcbdev on dev host. The permission of the directory are 2755 and owner is webdev. Create a symbolic link from /Webdev to /var/www/html/webdev. Serve a file from Avebdev7index.html which displays the text "Development" Curl <http://node1.example.com/webdev/index.html> to test

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Solution as:

```
- name: webdev
  hosts: dev
  tasks:
    - name: create webdev user
      user:
        name: webdev
        state: present
    - name: create a directory
      file:
        mode: '2755'
        path: /webdev
        state: directory
    - name: create symbolic link
      file:
        src: /webdev
        path: /var/www/html/webdev
        state: link
    - name: create index.html
      copy:
        content: Development
        dest: /webdev/ index.html
    - name: Install selinux policies
      yum:
        name: python3-policycoreutils
        state: present
    - name: allow httpd from this directory
      sefcontext:
        target: '/webdev(/.*)?'
        setype: httpd_sys_content_t
        state: present
    - name: restore the context
      shell: restorecon -vR /webdev
```

NEW QUESTION 3

Create the users in the file usersjst.yml file provided. Do this in a playbook called users.yml located at /home/sandy/ansible. The passwords for these users should be set using the lock.yml file from TASK7. When running the playbook, the lock.yml file should be unlocked with secret.txt file from TASK 7.

All users with the job of 'developer' should be created on the dev hosts, add them to the group devops, their password should be set using the pw_dev variable. Likewise create users with the job of 'manager' on the proxy host and add the users to the group 'managers', their password should be set using the pw_mgr variable.

users_list.yml

```
users:
  - username: bill
    job: developer
  - username: chris
    job: manager
  - username: dave
    job: test
  - username: ethan
    job: developer
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

ansible-playbook users.yml --vault-password-file=secret.txt

```
- name: create users
  hosts: all
  vars_files:
    - users_list.yml
    - lock.yml
  tasks:
    - name: create devops group nodes1
      group:
        name: devops
      when: ('dev' in group_names)
    - name: create manager group nodes45
      group:
        name: manager
      when: ('prod' in group_names)
    - name: create devs should happen on node1
      user:
        name: "{{item.username}}"
        groups: devops
        password: "{{ pw_dev | password_hash('sha512') }}"
      when: ('dev' in group_names) and ('developer' in item.job)
      loop: "{{users}}"
    - name: create managers on node45
      user:
        name: "{{item.username}}"
        groups: manager
        password: "{{ pw_mgr | password_hash('sha512') }}"
      when: ('prod' in group_names) and ('manager' in item.job)
      loop: "{{users}}"
```

NEW QUESTION 4

Create an ansible vault password file called lock.yml with the password reallysafepw in the /home/sandy/ansible directory. In the lock.yml file define two variables. One is pw_dev and the password is 'dev' and the other is pw_mgr and the password is 'mgr' Create a regular file called secret.txt which contains the password for lock.yml.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

ansible-vault create lock.yml

New Vault Password: reallysafepw Confirm: reallysafepw

In file:

```
pw_dev: dev
pw_mgr: mgr
```

NEW QUESTION 5

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 6

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.

- A. Mastered
- B. Not Mastered

Answer: A

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'

NEW QUESTION 7

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

[webserver:children]

prod

NEW QUESTION 8

Create a playbook /home/bob/ansible/timesync.yml that runs on hosts in the webserver host group and does the following:

- Uses the timesync RHEL system role.
- Sets the ntp server to 0.uk.pool.ntp.org
- Sets the timezone to UTC

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Solution as:

```
- name: use rhel system role
hosts: all
roles:
  - rhel-system-roles.timesync
timesync_ntp_servers:
  - hostname: 0.uk.pool.ntp.org
iburst: yes
```

NEW QUESTION 9

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

/home/sandy/ansible/apache.yml

```
---  
- name: http  
  hosts: webservers  
  roles:  
    - sample-apache
```

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

NEW QUESTION 10

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