

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 usersjist.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
[webservers:children]
prod
```

NEW QUESTION 8

Create a playbook `/home/bob/ansible/timesync.yml` that runs on hosts in the `webservers` 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: webserver  
  roles:  
    - sample-apache
```

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

NEW QUESTION 10

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