ANSIBLE CREATE USERS AND GROUPS

Several new developers and DevOps engineers just joined the xFusionCorp industries. They have been assigned the Nautilus project, and as per the onboarding process, we need to create user accounts for new joinees on at least one of the app servers in Stratos DC. We also need to create groups and make new users members of those groups. We need to accomplish this task using Ansible. Below you can find more information about the task.

There is already an inventory file ~/playbooks/inventory on jump host.

On jump host itself there is a list of users in ~/playbooks/data/users.yml file and there are two groups — admins and developers —that have list of different users. Create a playbook ~/playbooks/add\_users.yml on jump host to perform the following tasks on app server 3 in Stratos DC.

a. Add all users given in the users.yml file on app server 3.

b. Also add developers and admins groups on the same server.

c. As per the list given in the users.yml file, make each user member of the respective group they are listed under.

d. Make sure home directory for all of the users under developers group is /var/www (not the default i.e /var/www/{USER}). Users under admins group should use the default home directory (i.e /home/devid for user devid).

e. Set password GyQkFRVNr3 for all of the users under developers group and LQfKeWWxWD for of the users under admins group. Make sure to use the password given in the ~/playbooks/secrets/vault.txt file as Ansible vault password to encrypt the original password strings. You can use ~/playbooks/secrets/vault.txt file as a vault secret file while running the playbook (make necessary changes in ~/playbooks/ansible.cfg file).

f. All users under admins group must be added as sudo users. To do so, simply make them member of the wheel group as well.

Note: Validation will try to run the playbook using command ansible-playbook -i inventory add\_users.yml so please make sure playbook works this way, without passing any extra arguments.

SOLUTION

1 cd playbooks/inventory

2 ll

3 cd ..

4 ll

5 dir

6 pwd

7 cd -

8 pwd

9 ll

10 cd playbooks/

11 ll

12 cat inventory

13 clear

14 ll

15 cat data/users.yml

16 cat secrets/vault.txt

17 clear

18 cat secrets/vault.txt

19 vi ansible.cfg

20 vi add\_users.yml

21 cat data/users.yml

22 ansible-playbook -i inventory add\_users.yml

23 history

Add\_users.yml---

- name: Ansbile Add User & Group

hosts: stapp03

become: yes

tasks:

- name: Creating Admin Groups

group:

name:

admins

state: present

- name: Creating Dev Groups

group:

name:

developers

state: present

- name: Creating Admins Group Users

user:

name: "{{ item }}"

password: "{{ 'LQfKeWWxWD' | password\_hash ('sha512') }}"

groups: admins,wheel

state: present

loop:

- rob

- joy

- david

- name: Creating Developers Group Users

user:

name: "{{ item }}"

password: "{{ 'GyQkFRVNr3' | password\_hash ('sha512') }}"

home: "/var/www/{{ item }}"

group: developers

state: present

loop:

- tim

- jim

- mark

- ray