

Ansible Playbook for creating user and group

Ansible playbook that performs two tasks: adding a group and adding a user to that group.

- hosts: dev

user: aniket

become: yes

connection: ssh

gather_facts: yes

tasks:

- name: Add group

group:

name: devops

state: present

- name: Add user

ansible.builtin.user:

name: john

uid: 1020

group: devops

shell: /bin/bash

Explanation:

1. '- **hosts: dev**' is the beginning of an Ansible playbook YAML file. It specifies the target hosts on which the tasks in the playbook will be executed. In this case, the playbook is targeting the hosts with the name "dev". It indicates that the tasks following this line will be applied to the "dev" host(s) specified in the Ansible inventory file.

2. '**user: aniket**' in the Ansible playbook specifies the username to be used when connecting to the target hosts. In this case, the playbook will connect to the target hosts using the username "aniket". This user should have the necessary permissions and privileges to perform the tasks defined in the playbook.

3. The line '**become: yes**' in the Ansible playbook enables privilege escalation. When become is set to yes, Ansible will attempt to execute the tasks with elevated privileges, typically by using the sudo command

4. The line '**connection: ssh**' in the Ansible playbook specifies the connection method to be used when communicating with the target hosts. In this case, the playbook will establish an SSH connection to the target hosts.

5. The line '**gather facts: yes**' in the Ansible playbook enables the gathering of facts from the target hosts before executing tasks. Facts are variables containing information about the target hosts, such as network interfaces, operating system details, disk usage, and more.

6. The '**tasks:**' section in an Ansible playbook contains a list of individual tasks that will be executed on the target hosts. Each task describes a specific action to be performed.

7. **Add group**- This task uses the group module to create the "devops" group. The name parameter specifies the group name as "devops", and the state parameter is set to "present" to ensure that the group is created if it doesn't already exist.

8. **Add user**- This task uses the ansible.builtin.user module to create the user "john". The name parameter specifies the username as "john", the uid parameter sets the user ID to 1020, the group parameter assigns the user to the "devops" group, and the shell parameter sets the user's login shell to "/bin/bash".

