

Ansible-Assignment-1

Note: Complete all tasks using Adhoc command only.

1. Configure Ansible and Managed Hosts:

- Set up Ansible on the control node.
- Configure three managed host machines: Dev, Prod, and Test.
- Verify connectivity all managed host machines: Dev, Prod, and Test.

2. User and Group Creation:

Create three users: Ramesh, Priya, and Suresh, each with their respective primary groups:

1. Priya: Primary group prod

2. Ramesh: Primary group dev

3. Suresh: Primary group test

- Verify all user with respective primary group prod,dev,test
- Create two secondary groups: redhat and ubuntu with the following group IDs:
- redhat (Group ID: 2001)
- ubuntu (Group ID: 2002)
- Verify group with gid
- Assign secondary group memberships:
- Ramesh and Suresh → Secondary group: redhat
- Priya → Secondary group: ubuntu
- Verify secondary group memberships.

3. Directory and File Tasks:

- Create a directory named Techno in the home directories of all three users.
- Create a file named ansible.txt in the root directory (/).
- Verify a file named ansible.txt in the root directory (/).
- Copy the ansible.txt file into the /home/username/Techno directory of each user.

- Verify the ansible.txt file into the /home/username/Techno directory of each user.
- Add the line "I am learning Ansible" to the ansible.txt file using an Ansible ad-hoc command.
- Verify the line "I am learning Ansible" in the ansible.txt file.

4. User Deletion and New User Creation:

- Delete the previously created users (Ramesh, Priya, Suresh).
- Create new users:
- Add the comment "Ansible Hero" to all these new users.
- Sam (UID: 3001, shell: /sbin/nologin)
- Pooja (UID: 3002, shell: /sbin/nologin)
- Nike (UID: 3003)
- Verify old user delete and new user create with uid,shell,comment

5. Software Installation:

- Install mariadb on the Dev and Test managed hosts.
- Install php on the Prod managed host.
- Verify Packages.