**Step 1: Create Inventory File**

Create a file named inventory.ini with the target host details.

**inventory.ini**

[centos]

centos-node ansible\_host=192.168.1.100 ansible\_user=centos

Replace 192.168.1.100 with the IP of your CentOS machine.

**Step 2: Create the Ansible Playbook**

Create a file named install\_docker.yml.

**install\_docker.yml**

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- name: Install Doker on CentOS using Ansible

hosts: all

become: true

tasks:

- name: Install dnf-plugins-core

dnf:

name: dnf-plugins-core

state: present

- name: Add Docker CE repository

get\_url:

url: https://download.docker.com/linux/centos/docker-ce.repo

dest: /etc/yum.repos.d/docker-ce.repo

- name: Install Docker packages

dnf:

name:

- docker-ce

- docker-ce-cli

- containerd.io

- docker-buildx-plugin

- docker-compose-plugin

state: present

- name: Enable and start Docker service

systemd:

name: docker

enabled: true

state: started

**Step 3: Run the Playbook**

Run the following command from your Ansible control node:

ansible-playbook -i inventory.ini install\_docker.yml

**Step 4: Verify Docker Installation**

SSH into the target node and run:

docker --version