**LAB#6-Create an Ansible playbook to automate the installation of software packages (nginx, git, python3) on servers within the localhost group**

**Prerequisites:**

**Create ec2 instance ,master n nodes**

**Install ansible**

**Setup inventory file**

**Status of ansible**

**Ping the node**

| **--- - name: Install software packages on servers  hosts: localhost  become: yes # To escalate privileges if required   tasks:  - name: Update apt/yum cache (depending on the OS)  ansible.builtin.package:  name: "{{ item }}"  state: present  loop:  - nginx  - git  - python3  # You might need to adjust the package names based on the package manager of your OS (apt, yum, etc.)** |
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| **Ansible-playbook install\_packages.yml** |
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**Conclusion - Automation of Software Installation with Ansible Playbook**

The creation and execution of an Ansible playbook aimed at automating the installation of essential software packages (nginx, git, python3) on servers within the localhost group yielded valuable insights and achievements: