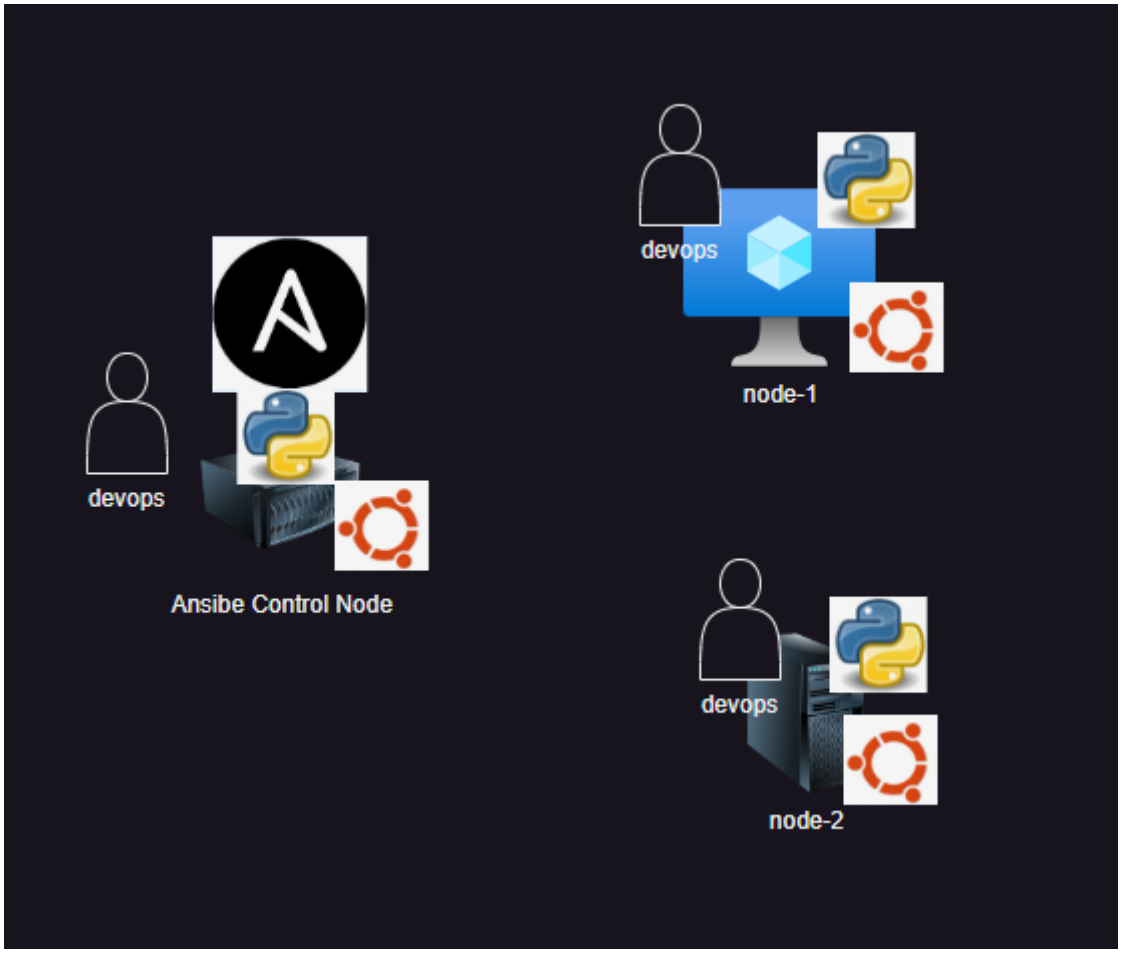
Ansible Setup

Combination - 1

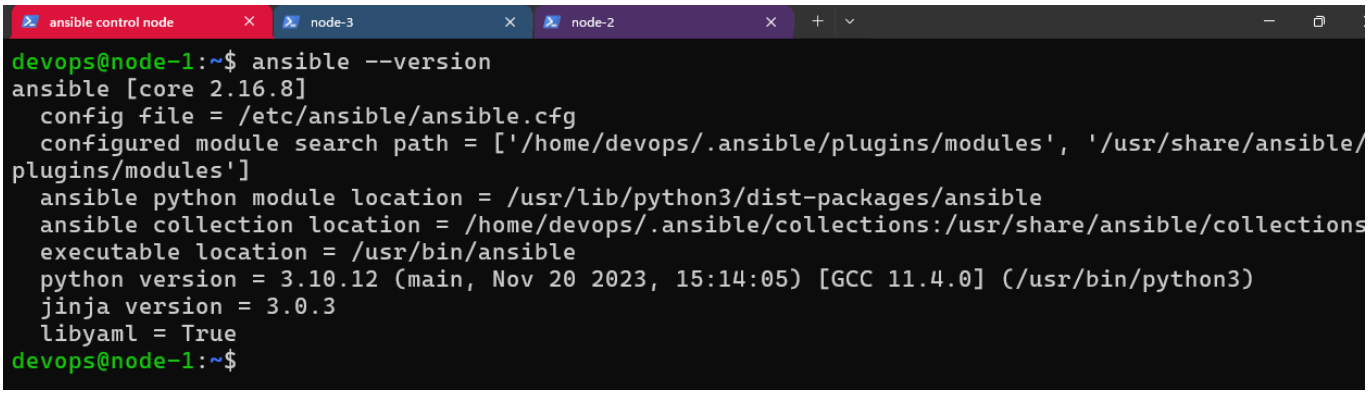
- Overview 

- We will use 3 ubuntu 22.04 virtual machines
- Lets use Azure in this case for vm creations
- Azure lets you set username and password while creation of virtual machines
- While creating vms we will set a user called as `devops`
- For detailed creation of vms watch classroom video
- We use ansible to install softwares etc which require administrative permissions (sudo)
- In this case `devops` user has sudo permissions
- ssh into node-1 (ansible control node) and install ansible Refer Here

```
sudo apt update
sudo apt install software-properties-common
sudo add-apt-repository --yes --update ppa:ansible/ansible
sudo apt install ansible -y
```

- Check if the ansible is installed correctly

```
ansible --version
```



- Lets check if the ansible can communicate with node-2 and node-3
- Lets create a inventory.
    - Create a file called as `hosts` with the following entries

```
node-2
node-3
```

- ansible has a command to check connectivity `ansible -m ping --ask-pass -i hosts all`

Terms

- Desired State: State which we have asked for
- Configuration Drift: difference between the desired state and current state.
- Idempotent: The property of a system to give same result irresepective of number of executions.