Installation on Control Server (Ubuntu)

- Create EC2 Instance with AMI as Ubuntu
- Login to EC2 instance using Git Bash/Terminal and execute below commands from Git Bash window
- To become the root user

```
sudo -i
```

```
apt update -y
```

- **To install Ansible**

```
apt install -y ansible
```

- **To check Ansible version**

```
ansible –version
```

- **Create user named ansible**

```
adduser ansible
```

- **Add below entry so that ansible user can become root user if needed**

```
echo "ansible ALL=(ALL) NOPASSWD: ALL" >> /etc/sudoers
```

- **Enable Password Authentication**

```
sed -ie 's/PasswordAuthentication no/ PasswordAuthentication yes/' /etc/ssh/sshd_config
```

- **Restart sshd Daemon**

```
service sshd reload
```

- **Create Directory to /etc/ansible**

```
mkdir /etc/ansible
```

```
cd /etc/ansible
```

- **Create file named hosts (Default Inventory file)**

```
touch hosts
```

- **Change owner and group to ansible on hosts file**

```
chown ansible:ansible hosts
```

- **Exit as root user**

  exit

- Switch user to ansible, it is going to prompt the password that you set for ansible user

  su - ansible

- **To generate the ssh key**

  ssh-keygen
  - **Press Enter for all the prompts (like Enter Paraphrase name etc)**
  -

- **ssh-copy-id localhost** → To copy the ssh key to localhost
  - **Provide the password for Ansible user when it prompts**

- ssh localhost → to verify if we can connect to ssh (if connected then exit to come back

Create another EC2 Instance for Node

Ubuntu AMI

sudo -i

adduser ansible

echo "ansible ALL=(ALL) NOPASSWD: ALL" >> /etc/sudoers

sed -ie 's/PasswordAuthentication no/ PasswordAuthentication yes/' /etc/ssh/sshd_config

sudo service sshd reload

After Creating the Node, come back to Control Server and type below command

- **ssh-copy-id <Node-private-ip>**

Whenever you add New Node Server

1. Configure the Node Server

2. From Control Server

ssh-copy-id <Private-IP>

3. Add that Private IP to inventory file (/etc/ansible/hosts)