Installation on Control Server (Redhat Enterprise OS)

- Create EC2 Instance with AMI as Redhat Enterprise Linux 8
- Login to EC2 instance using Git Bash/Terminal and execute below commands from Git Bash window
- To become the root user

```
sudo -i
```

- **To install wget package**

```
yum install wget -y
```

- **Downloads the package**
  wget https://dl.fedoraproject.org/pub/epel/epel-release-latest-8.noarch.rpm
- **Extracts the package**
  rpm -i epel-release-latest-8.noarch.rpm
- **To install Ansible**
  yum install ansible -y
  ansible --version
  adduser ansible
  passwd ansible
    - (To set the password) ex: DevOps@123)

  echo "ansible ALL=(ALL) NOPASSWD: ALL" >> /etc/sudoers
  sed -ie 's/PasswordAuthentication no/PasswordAuthentication yes/' /etc/ssh/sshd_config
  service sshd reload
  cd /etc/ansible
  mv hosts hosts.original
  touch hosts
  chown ansible:ansible hosts
  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

```
sudo -i
adduser ansible
passwd ansible (To set the password) DevOps@123
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)