**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**

**sudo 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>**

When ever 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

4. check if everything is working, use ad-hoc ansible command:

* **ansible -m ping all**