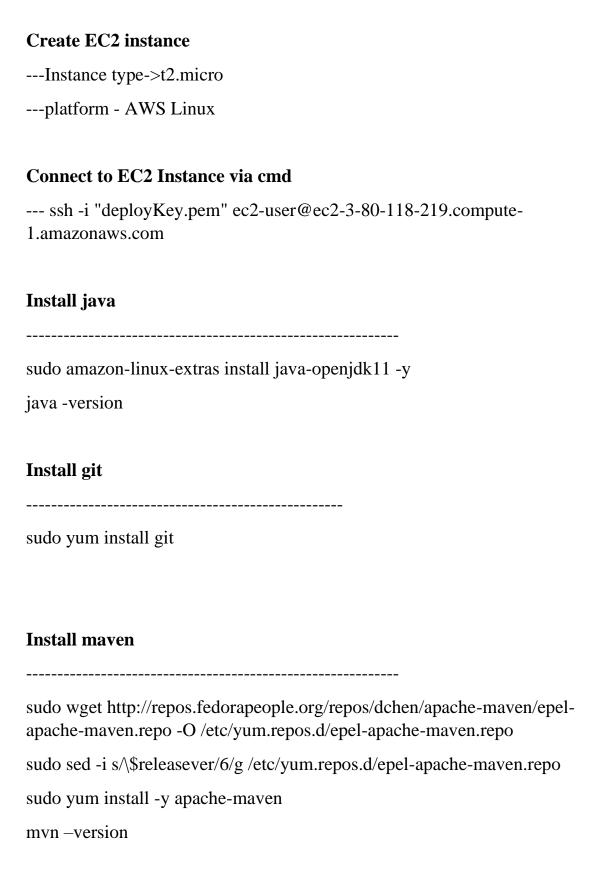
Steps to follow to deploy Spring Application on AWS EC2 instance using Jenkins



Install docker

sudo yum install docker -y
sudo service docker start
sudo chmod 666 /var/run/docker.sock

Install Jenkins

sudo yum update –y

sudo wget -O /etc/yum.repos.d/jenkins.repo \https://pkg.jenkins.io/redhat-stable/jenkins.repo

sudo rpm --import https://pkg.jenkins.io/redhat-stable/jenkins.io.key sudo yum upgrade

Create a job in Jenkins

- 1. select pipeline project.
- 2. Installing maven plugins -> Manage Jenkins -> System Configuration -> Install maven.
- 3. Setting java path. -> Manage Jenkins -> Global Tool Configuration -> Define the configuration.
- 4. Setting maven path. → Manage Jenkins → Global Tool Configuration
 → Define the configuration.

5. Build a pipeline for git integration.

```
Pipeline
             agent any
             stages {
               stage('Checkout') {
                  steps {
                     checkout scmGit(branches: [[name: '*/master']],
           extensions: [], userRemoteConfigs: [[credentialsId: 'c8430932-
           7b9c-4fa6-8799-bce2abbb142f', url:
           'https://github.com/deepanshu999/EmployeeManagementSystem.
           git']])
               stage('Build') {
                  steps {
                    git credentialsId: 'c8430932-7b9c-4fa6-8799-
           bce2abbb142f', url:
           'https://github.com/deepanshu999/EmployeeManagementSystem.
           git'
                    sh 'mvn -B -EmployeeManagementSystem clean
           package'
             }
```

- 6. Write pipeline for execution of spring project.
- 7. Check console and logs for execution result.