**Jenkins and JDK setup in EC2**

* **Connect EC2 instance with MobaXterm**
  + Session -> add public IP and use as ec2-user -> advance -> import .pem file
* **As Jenkins requires JDK, we need to install JDK with below command:**
  + yum install java-17-amazon-corretto.x86\_64 -y
* **Installation of Jenkins in EC2:**
* <https://pkg.jenkins.io/redhat-stable/>

**Git Setup in EC2**

* **Install Git in EC2 server:**

Git yum install

* **Install git plugins in Jenkins**

Manage Jenkins ->manage plugins

* **Configure Git in Jenkins**

Manage Jenkins -> Global Tool Configuration

Note: Now we can create a Jenkins job which will pull code form git( refer to Devops project)

**Maven/Gradle Setup in EC2**

* **Setup Maven/Gradle in EC2 server**
* **Setup Environment variable like JAVA\_HOME, MVN\_HOME\_GRADLE\_HOME**
  + 1. cd /opt
    2. wget <https://services.gradle.org/distributions/gradle-8.3-bin.zip>

or

wget <https://dlcdn.apache.org/maven/maven-3/3.9.9/binaries/apache-maven-3.9.9-bin.zip>

* + 1. unzip gradle-8.3-bin.zip
    2. mv gradle-8.3 gradle
    3. cd ~ i.e /root
    4. find / -name jvm (to find jdk installation path)
    5. ls -a
    6. vi .bash\_profile
       1. GRADLE\_HOME=/opt/gradle
       2. GRADLE=/opt/gradle/bin
       3. JAVA\_HOME=/usr/lib/jvm/java-17-amazon-corretto.x86\_64
    7. PATH=$PATH:$HOME/bin:$GRADLE\_HOME:$GRADLE:$JAVA\_HOME
    8. gradle -version
* **Install Maven/Gradle plugins in Jenkins**
* **Configure Java and Maven/Gradle in Jenkins**

**Configuration of Git, Maven, JDK in Jenkins**





