**JENKINS SETUP FOR EC2**

**PREREQUISITES;**

**1.JDK 1.8**

**2. MAVEN**

**3. GIT**

**4. Jenkins**

1. **JDK 8 Setup.**

**#Use the following commands**

yum install -y java-1.8.0-openjdk-devel.x86\_64;

1. **MAVEN setup**

**#Use the following commands**

sudo wget [https://repos.fedorapeople.org/repos/dchen/apache-maven/epel-apache-maven.repo -O /etc/yum.repos.d/epel-apache-maven.repo](https://repos.fedorapeople.org/repos/dchen/apache-maven/epel-apache-maven.repo%20-O%20/etc/yum.repos.d/epel-apache-maven.repo);

sudo sed -i s/\$releasever/6/g /etc/yum.repos.d/epel-apache-maven.repo;

sudo yum install -y apache-maven;

**#set the java version using following commands:**

#When prompted, enter the number for Java 8

sudo /usr/sbin/alternatives --config java;

sudo /usr/sbin/alternatives --config javac;

1. **GIT setup**

**#Use the following commands**

yum install -y git;

1. **Jenkins Setup:**

**#Use the following commands**

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;

yum install -y jenkins;

1. **Configure Jenkins**

**#Use the following commands.**

service jenkins start;

**#To get IP address.**

curl ifconfig.co;

**# Go to Browser: To access jenkins**

<http://ipaddress:8080/> #

enter the jenkins secret password (see below note section)

Note:

**#To get the password use the following command**

cat /var/lib/jenkins/secrets/initialAdminPassword

1. **Install Jenkins Plugins**

1. Click on install suggested plugins. (#takes some time to install, may be 5 min..)

2. Enter new Username, Password and email when asked.

3. click on save and continue.

That’s It Jenkins Loaded..!!

**For Deployments:**

**Install plugin:** Deploy to container

Click on manage jenkins > click on manage plugins > click on Available > search for **Deploy to container** plugin and then Install it.