**To Install Apache Maven and Java 8 on your EC2 instance**

1. Connect to your Amazon EC2 instance with an SSH client.
2. Install Apache Maven on your EC2 instance. First, enter the following to add a repository with a Maven package.

Sudo yum install git -y

sudo wget https://repos.fedorapeople.org/repos/dchen/apache-maven/epel-apache-maven.repo -O /etc/yum.repos.d/epel-apache-maven.repo

Enter the following to set the version number for the packages.

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

Then you can use **yum** to install Maven.

sudo yum install -y apache-maven

1. The Gremlin libraries require Java 8. Enter the following to install Java 8 on your EC2 instance.

sudo yum install java-1.8.0-devel

1. Enter the following to set Java 8 as the default runtime on your EC2 instance.

sudo /usr/sbin/alternatives --config java

When prompted, enter the number for Java 8.

1. Enter the following to set Java 8 as the default compiler on your EC2 instance.

sudo /usr/sbin/alternatives --config javac

When prompted, enter the number for Java 8.

**To Install Jenkins on AWS:**

1. From the AWS Management Console, launch the Amazon EC2 instance from an Amazon Machine Image (AMI) that has the base operating system you want. 16 This example uses an Amazon Linux 64-bit AMI.

2. Choose a security group that will allow SSH access as well as port 80 or 8080 to access your Jenkins dashboard. You should only enable ingress from the IP addresses you wish to allow access to your server. See Securing Network Access to the Master Node for more details.

3. Connect to the instance via SSH.17 4. Update the yum package management tool.

**sudo yum update –y**

**sudo yum install httpd -y**

**sudo service httpd start**

1. Download the latest Jenkins code package.

$ **sudo wget -O /etc/yum.repos.d/jenkins.repo** [**http://pkg.jenkins-ci.org/redhat/jenkins.repo**](http://pkg.jenkins-ci.org/redhat/jenkins.repo)

1. Import a key file from Jenkins-CI to enable installation from the package.

$ **sudo rpm --import https://pkg.jenkins.io/redhat/jenkins.io.key**

1. Install Jenkins.

$ **sudo yum install jenkins -y**

1. Start Jenkins as a service.

$ **sudo service jenkins start**

1. Configure Jenkins, now that it’s installed and running on your Amazon EC2 instance. Use its management interface at port 80 or 8080, or remotely access the server via SSH. In its default configuration, Jenkins versions 2.0 and later lock down access to the management interface.
2. The first time you use the dashboard at http://:8080, you will be prompted to unlock Jenkins: