**Installing Jenkins on Amazon Linux**

If you’re looking to install [Jenkins](https://jenkins.io/) on an instance of [Amazon Linux](https://aws.amazon.com/amazon-linux-ami/), there are a few more steps you’ll need to perform compared to installing Jenkins on a ubuntu instance.

**Installing Jenkins**

1. First things first, SSH into your instance.

ssh ec2-user@{ec2-public-dns}

2. Before we do anything, we’re going to check that our operating system is up to date and install any outdated packages.

sudo yum -y update

3. Jenkins requires Java 1.8. However, Amazon Linux comes preinstalled with Java 1.7. Let’s replace 1.7 with 1.8. We’re going to install Java 1.8 first to prevent any of our AWS CLI tools from being uninstalled due to the Java dependancy breaking.

sudo yum install java-1.8.0  
sudo yum remove java-1.7.0-openjdk

sudo yum install java-1.8.0-openjdk-devel

4. We need to add the Jenkins repository so that yum knows where to install Jenkins from.

sudo wget -O /etc/yum.repos.d/jenkins.repo <http://pkg.jenkins-ci.org/redhat/jenkins.repo>

5. Next, we’re adding the Jenkins GPG key to our trusted keys so that we’re able to install Jenkins, verifying that the files are being sourced from a trusted location.

sudo rpm --import <http://pkg.jenkins-ci.org/redhat/jenkins-ci.org.key>

6. Great! We’ve prepared our environment with the required dependancies so we can now install Jenkins.

sudo yum install jenkins

7. Let’s start the Jenkins service:

sudo service jenkins start

8. If you want Jenkins to automatically start when your instance is started, we can use chkconfig to add Jenkins to our startup services.

sudo chkconfig --add jenkins

9. All done! You can now access your Jenkins server using the public DNS on port 8080.

http://{ec2-public-dns}:8080

Steps in Jenkins

1. Create a new Item
2. In “Source Code Management” click on “git” and paste the link of git url(not clone url)
3. In “Build Triggers” click on “GitHub hook trigger for GITScm polling”
4. In “Build” click on “top level maven targets” and select

Maven version as maven and

Goals as “clean package”

(if maven option is not available the go to

Manage Jenkins 🡪 Global Tool Configurations 🡪 Maven 🡪 Add Maven 🡪 Type maven(don’t forget to check “Install Automatically”)

1. Save

Steps in Github

1. Go to repository and copy the url(not clone url)
2. Go to

Settings 🡪 Integrations and services 🡪 Add service 🡪 Jenkins (Github plugin)

1. In **Jenkins hook url**

<http://<ip> address of Jenkins instance>:8080/github-webhook/

1. Test the Jenkins hook