**Create 2 Linux Ubuntu 64-bit free tier EC2 Instances**

**Install all the tools including docker-ce in 1 instance for CI/CD setup.**

**Install only DOCER-CE in 2nd server.**

**Initial Setup**

**Fixing Locales in Ubuntu 13.04 on Amazon EC2**

sudo apt-get install language-pack-en

**Installing Java / Maven / Git**

sudo add-apt-repository ppa:webupd8team/java

sudo apt-get update

sudo apt-get install oracle-java8-installer git-core

**Installing Gradle**

# download Gradle from official website to user home directory:

cd /opt

sudo wget https://services.gradle.org/distributions/gradle-4.9-bin.zip

# install unzip - tool for extracting compressed files from ZIP archive:

sudo apt-get install unzip

OR

sudo yum install unzip

# unzip Gradle archive:

sudo unzip gradle-4.9-bin.zip

# delete Gradle archive:

sudo rm gradle-4.9-bin.zip

# add Gradle to `PATH` environment variable:

sudo echo "export PATH=\$PATH:/opt/gradle-4.9/bin" >> ~/.bashrc

# execute `~/.bashrc` file:

sudo source ~/.bashrc

#check Gradle version:

gradle -v

**Installing Jenkins**

sudo wget -q -O - http://pkg.jenkins-ci.org/debian/jenkins-ci.org.key | sudo apt-key add -

echo "deb http://pkg.jenkins-ci.org/debian binary/" | sudo tee -a /etc/apt/sources.list.d/jenkins.list

sudo apt-get update

sudo apt-get install jenkins

ps -ef | grep jenkins

**Installing and Configuring Apache (Optional Not Required)**

**Installing Apache**

sudo apt-get install apache2

sudo a2enmod proxy

sudo a2enmod proxy\_http

**/etc/apache2/sites-available/jenkins.conf**

<VirtualHost \*:80>

ServerName HOSTNAME

ProxyRequests Off

<Proxy \*>

Order deny,allow

Allow from all

</Proxy>

ProxyPreserveHost on

ProxyPass / http://localhost:8080/

</VirtualHost>

**Enabling jenkins.conf**

sudo a2ensite jenkins

sudo service apache2 reload

**Un Install Jenkins**

sudo service jenkins stop

After stopping it you can follow the normal flow of removing it using commands respective to your linux flavour

For centos it will be

sudo yum remove jenkins

For ubuntu it will

sudo apt-get remove --purge jenkins

## Install Docker CE

## curl -fsSL get.docksal.io | bash

. The docker group is created but no users are added to it. You need to use sudo to run Docker commands. To allow non-privileged users to run Docker commands and for other optional configuration steps follow below steps

1. Add your user to the docker group.

$ sudo usermod -aG docker $USER

Start Docker as service

sudo service docker restart

Check the docker service status

sudo systemctl status docker