1

Install Git

Set Maven Environment

Install Maven

Set Java Environment

Install Java

Install Docker

Import project

Build image

Inspect IP and port

Install Docker

Commands:

* $ sudo apt-get update
* $ sudo apt-get install curl \ linux-image-extra-$(uname -r) \ linux-image-extra-virtual
* $ sudo apt-get install apt-transport-https \ ca-certificates $ curl -fsSL [https://yum.dockerproject.org/gpg](https://www.youtube.com/redirect?q=https%3A%2F%2Fyum.dockerproject.org%2Fgpg&event=video_description&redir_token=fraKVJbxnd2D6-xm_pQ0DvXS62l8MTUyMjkwOTMwMkAxNTIyODIyOTAy&v=EDaN2293rQI) | sudo apt-key add –

verify the key :

* $ apt-key fingerprint 58118E89F3A912897C070ADBF76221572C52609D
* $ sudo add-apt-repository \ "deb [https://apt.dockerproject.org/repo/](https://www.youtube.com/redirect?q=https%3A%2F%2Fapt.dockerproject.org%2Frepo%2F&event=video_description&redir_token=fraKVJbxnd2D6-xm_pQ0DvXS62l8MTUyMjkwOTMwMkAxNTIyODIyOTAy&v=EDaN2293rQI) \ ubuntu-$(lsb\_release -cs) \ main"
* $ sudo apt-get update
* $ sudo apt-get -y install docker-engine

Note: For next move we may need to tools to be installed in our machine. Wget and yum. This is why it is better to have them before stepping next move.

Commands:

* sudo apt install wget
* sudo apt install yum

Install Java

Set Java Environment

Install Maven

Set Maven Environment

Commands: (2)

* sudo apt-get update –y
* sudo apt-get upgrade –y
* sudo add-apt-repository ppa:webupd8team/java
* sudo apt-get update –y
* sudo apt-get install oracle-java8-installer
* sudo apt-get install oracle-java8-set-default
* cat >> /etc/environment <<EOL

JAVA\_HOME=/usr/lib/jvm/java-8-oracle

JRE\_HOME=/usr/lib/jvm/java-8-oracle/jre

EOL

* cd /opt/
* wget http://www-eu.apache.org/dist/maven/maven-3/3.3.9/binaries/apache-maven-3.3.9-bin.tar.gz
* sudo tar -xvzf apache-maven-3.3.9-bin.tar.gz
* sudo mv apache-maven-3.3.9 maven
* sudo nano /etc/profile.d/mavenenv.sh
* export M2\_HOME=/opt/maven
* export PATH=${M2\_HOME}/bin:${PATH}
* sudo chmod +x /etc/profile.d/mavenenv.sh
* sudo source /etc/profile.d/mavenenv.sh

Install Git

Inspect IP and port

Build image

Import project

Commands:

Note: In case of building image form docker file user may need root access. **Don’t use ‘su’. Rather use ‘sudo su’** to re login**.**

* sudo apt-get install git
* git clone [https://github.com/path/to/project] [path/to/projectname]
* cd path/to/ projectname
* mvn clean
* mvn package
* mvn docker:build **or** docker build -t dockp **or** docker build . -t dockp
* docker images
* docker run [dockerexample]
* docker inspect [id/docker filename]

I’ve downloaded mysql image from docker hub and then run an instance