FROM ubuntu:18.04

LABEL maintainer\_name 'Arvind Awasthi'

LABEL maintainer\_email <awasthiarvind1997@gmail.com>

RUN apt-get update && apt-get install -y default-jdk

ENV JAVA\_HOME /usr

# Downloading and installing Maven

ARG MAVEN\_VERSION=3.6.1

ARG USER\_HOME\_DIR="/root"

ARG SHA=b4880fb7a3d81edd190a029440cdf17f308621af68475a4fe976296e71ff4a4b546dd6d8a58aaafba334d309cc11e638c52808a4b0e818fc0fd544226d952544

ARG BASE\_URL=https://apache.osuosl.org/maven/maven-3/${MAVEN\_VERSION}/binaries

RUN apt-get update && apt-get install -y wget

RUN mkdir -p /usr/share/maven /usr/share/maven/ref \

&& echo "Downlaoding maven" \

&& wget https://downloads.apache.org/maven/maven-3/3.6.3/binaries/apache-maven-3.6.3-bin.tar.gz -O /tmp/apache-maven.tar.gz

RUN echo "Unziping maven" \

&& tar -xzf /tmp/apache-maven.tar.gz -C /usr/share/maven --strip-components=1

RUN echo "Cleaning and setting links" \

&& rm -f /tmp/apache-maven.tar.gz \

&& ln -s /usr/share/maven/bin/mvn /usr/bin/mvn

ENV MAVEN\_HOME /usr/share/maven

ENV MAVEN\_CONFIG "$USER\_HOME\_DIR/.m2"

# Downloading and installing Gradle

# 1- Define a constant with the version of gradle you want to install

ARG GRADLE\_VERSION=4.0.1

# 2- Define the URL where gradle can be downloaded from

ARG GRADLE\_BASE\_URL=https://services.gradle.org/distributions

# 3- Define the SHA key to validate the gradle download

# obtained from here https://gradle.org/release-checksums/

ARG GRADLE\_SHA=d717e46200d1359893f891dab047fdab98784143ac76861b53c50dbd03b44fd4

# 4- Create the directories, download gradle, validate the download, install it, remove downloaded file and set links

RUN apt-get update && apt-get install -y curl && apt-get install -y unzip

RUN mkdir -p /usr/share/gradle /usr/share/gradle/ref \

&& echo "Downlaoding gradle hash" \

&& curl -fsSL -o /tmp/gradle.zip ${GRADLE\_BASE\_URL}/gradle-${GRADLE\_VERSION}-bin.zip \

\

&& echo "Checking download hash" \

&& echo "${GRADLE\_SHA} /tmp/gradle.zip" | sha256sum -c - \

\

&& echo "Unziping gradle" \

&& unzip -d /usr/share/gradle /tmp/gradle.zip \

\

&& echo "Cleaning and setting links" \

&& rm -f /tmp/gradle.zip \

&& ln -s /usr/share/gradle/gradle-${GRADLE\_VERSION} /usr/bin/gradle

# 5- Define environmental variables required by gradle

ENV GRADLE\_VERSION 4.0.1

ENV GRADLE\_HOME /usr/bin/gradle

ENV GRADLE\_USER\_HOME /cache

ENV PATH $PATH:$GRADLE\_HOME/bin

VOLUME $GRADLE\_USER\_HOME

CMD ["/bin/bash"]