FROM ubuntu:16.04

States which Docker image this Docker image is to be based upon.

MAINTAINER [nitinarorayv@gmail.com](mailto:nitinarorayv@gmail.com)

who is maintaining this Docker image

The Docker RUNcommand executes shell commands to install programs, configure the Docker image etc.

RUN apt-get update

Updates the list of available packages and their versions.

RUN apt-get upgrade

Installs any newer versions of currently installed packages.

 RUN apt-get install -y software-properties-common

Installs software in order to allow for independent vendor software sources, in particular the “add-apt-repository” command that is used in the next line.

add-apt-repository ppa:webupd8team/java -y

Adds the PPA repository that contains Oracle Java 8, assuming yes to all queries.

apt-get update

Again, updates the list of available packages and their versions. The reason for running an update again is that a new repository was just added and we want to refresh the list of available packages and their versions, including those in the new repository.

 echo oracle-java7-installer shared/accepted-oracle-license-v1-1 select true | /usr/bin/debconf-set-selections

The Java installer require you to accept a license before the installation begins. This line automates accepting the license.

 apt-get install -y oracle-java8-installer

Finally Java 8 can be installed! The -y flag runs the installation in a non-interactive mode, assuming that all questions are to be answered “yes.”

apt-get clean

Cleans the local repository from retrieved package files

RUN apt-get install -y git

This will install git. The -y flag runs the installation in a non-interactive mode, assuming that all questions are to be answered “yes

RUN apt-get install -y wget

This will install wget . The -y flag runs the installation in a non-interactive mode, assuming that all questions are to be answered “yes

RUN mkdir /home/tomcat && \

cd /home/tomcat && \

chmod -R 777 /home/tomcat && \

wget [https://archive.apache.org/dist/tomcat/tomcat-8/v8.5.9/bin/apache-tomcat-8.5.9.tar.gz && \](https://archive.apache.org/dist/tomcat/tomcat-8/v8.5.9/bin/apache-tomcat-8.5.9.tar.gz%20&&%20\)

tar -xzf apache-tomcat-8.5.9.tar.gz && \

mv apache-tomcat-8.5.9/tomcat/tomcat-8

VOLUME ["/home/tomcat/tomcat-8/webapps"]

EXPOSE 8080

ENTRYPOINT ["/home/tomcat/tomcat-8/bin/catalina.sh","run"]

This will create the dir and then cd into it. Then give recursive permission to the dir . then download the war file from apache website , extract the tar and move into tomacat dir. Volume command for mounting the dir . Expose for the PORT . ENTRYPOINT is for using in run time