

FROM node:7.7-alpine



install deps

ADD package.json /tmp/package.json

RUN cd /tmp && npm install

Copy deps

RUN mkdir -p /opt/hellojs-app && cp -a /tmp/node_modules /opt/hellojs

Setup workdir

WORKDIR /opt/hellojs-app

COPY . /opt/hellojs-app

run

EXPOSE 3000

CMD ["npm", "start"]

FROM node:7.7-alpine:

Specifies the base image for the Docker container. In this case, it's the Node.js 7.7 version with the Alpine Linux distribution, which is known for its small size.

ADD package.json /tmp/package.json:

Copies the package.json file from the local directory to /tmp/package.json inside the container.

RUN cd /tmp && npm install:

Changes the working directory to /tmp and installs the Node.js dependencies specified in package.json.

RUN mkdir -p /opt/hellojs-app && cp -a /tmp/node_modules /opt/hellojs:

Creates the directory /opt/hellojs-app inside the container and copies the Node.js dependencies installed in the previous step (/tmp/node_modules) to /opt/hellojs.

WORKDIR /opt/hellojs-app:

Sets the working directory inside the container to /opt/hellojs-app.

COPY . /opt/hellojs-app:

Copies the remaining application files from the local directory to /opt/hellojs-app inside the container.

EXPOSE 3000:

Informs Docker that the application will use port 3000.

CMD ["npm", "start"]:

Specifies the default command to run when the container starts. In this case, it runs the npm start command, which typically starts the Node.js application.



```
FROM eclipse-temurin:17-jdk-alpine
VOLUME /tmp
COPY target/*.jar app.jar
EXPOSE 8080
ENTRYPOINT ["java","-jar","/app.jar"]
```

FROM eclipse-temurin:17-jdk-alpine:

Specifies the base image for the Docker container. In this case, it uses the Eclipse Temurin (formerly AdoptOpenJDK) 17 JDK with the Alpine Linux distribution, known for its small size.

VOLUME /tmp:

Creates a volume named /tmp. Volumes in Docker are used to share data between the host machine and the container.

COPY target/*.jar app.jar:

Copies all the JAR files in the target directory (assuming a Maven project structure) from the local build context into the container, and renames it to app.jar.

ENTRYPOINT ["java","-jar","/app.jar"]:

Specifies the default command to run when the container starts. In this case, it runs the Java command to execute the JAR file (/app.jar), making it the entry point for the container.