Create package.json

{

"name": "node-multistage-docker",

"version": "1.0.0",

"description": "A simple Node.js app with a multi-stage Dockerfile",

"main": "server.js",

"scripts": {

"start": "node dist/server.js",

"build": "mkdir -p dist && cp server.js dist/server.js"

},

"dependencies": {

"express": "^4.18.2"

}

}

Create server.js

const express = require("express");

const app = express();

const PORT = process.env.PORT || 3000;

app.get("/", (req, res) => {

res.send("Hello from a multi-stage Docker build!");

});

app.listen(PORT, () => {

console.log(`Server is running on port ${PORT}`);

});

Create Dockerfile

# Stage 1: Build Stage

FROM node:18 AS build

WORKDIR /app

COPY package.json package-lock.json ./

RUN npm install

COPY . .

RUN npm run build

# Stage 2: Production Stage

FROM node:18-alpine

WORKDIR /app

COPY --from=build /app/dist ./dist

COPY --from=build /app/node\_modules ./node\_modules

COPY package.json ./

EXPOSE 3000

CMD ["node", "dist/server.js"]

docker build -t multistage -f <dockerfilename> .