

# BUILD A CUSTOM DOCKER IMAGE

1. Building a Custom Docker Image using Angular Project.
2. Create a Dockerfile in the Angular Project.
3. Contents of Dockerfile:

```
# #STAGE 1: Build Angular Project
FROM node:alpine as build
WORKDIR /usr
COPY . /usr
RUN npm install -g @angular/cli && npm install && ng build
RUN npm install -g json-server --silent
# #STAGE 2: Run
FROM nginx:alpine-slim
COPY --from=build /usr/dist/angular_project_with_service_routing/browser
/usr/share/nginx/html
# Expose nginx webserver
EXPOSE 80
# start json-server
#RUN npm start json-server &
RUN json-server --watch db.json --port 3000 &
```

4. Command to Create a image:  
“docker build -t doc\_ang\_img .”
5. Now image is created, use command “docker images” to check if image is created or not.
6. Run the Image using command “docker run doc\_ang\_img”.
7. This is the process to build a custom docker image.



