



ROITRAINING
MAXIMIZE YOUR TRAINING INVESTMENT™

Cheat Sheet: Docker

Dockerfile

- The following Dockerfile will work for both external and internal services
 - Create a file called Dockerfile **in both the internal and external folders:**

```
# Use Google base image for NodeJS
FROM launcher.gcr.io/google/nodejs

# Copy application code.
COPY . /app/

# Change the working directory
WORKDIR /app

# Install dependencies.
RUN npm install

# Start the Express app
CMD ["node", "server.js"]
```

Build

- To build external, from the external folder
 - `docker build . -t [docker-id]/external:v1.0.0`
- To build internal, from the internal folder
 - `docker build . -t [docker-id]/internal:v1.0.0`

Run Locally

- To run internal, from the internal folder:
 - `docker run -d -p 8082:8082 [docker-id]/internal:v1.0.0`
- To run external, from the external folder
 - `docker run -d -p 8080:8080 -e SERVER='http://localhost:8082' --network="host" [docker-id]/external:v1.0.0`
- Test your app by previewing on port 8080
- Other commands to try:
 - `docker images`
 - `docker ps -a`
 - `docker stop <ContainerID>`
 - `docker rm <ContainerID>`

Save All Changes to GitHub

- Add, commit, and push your changes
 - For each repo