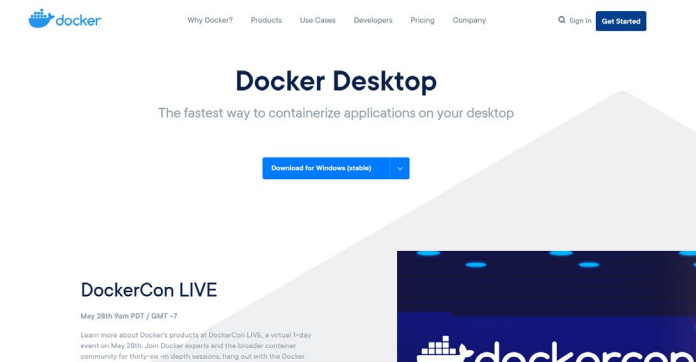


How to use Sharedstreet API with Docker

For Beginner

① Install Docker Desktop App

- Download Docker Desktop App (<https://www.docker.com/products/docker-desktop>)
- Install



② Make a Dockerfile

- To install using Docker create the following Dockerfile:
(How to make Dockerfile?)

```
FROM node:11

ENV NPM_CONFIG_PREFIX=/home/node/.npm-global
ENV PATH=$PATH:/home/node/.npm-global/bin

USER node
RUN npm install -g sharedstreets
```

- Also, you can download Dockerfile from here

③ Build a Docker image from Dockerfile

- Open Microsoft PowerShell
- Set the directory as the folder that contains the Dockerfile

```
C:\Users\... > cd .\Documents\  
C:\Users\... \Documents> cd .\capstone\  
C:\Users\... \Documents\capstone> cd .\shst_docker\  
C:\Users\... \Documents\capstone\shst_docker>
```

- Type **docker build --tag shst-image .**
(Please don't forget the '.' in the end of command)
- Type **docker images** to check the docker image was built successfully

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
shst-image-test	latest	32f7ff87d4ce	7 weeks ago	968MB
shst-image	latest	32f7ff87d4ce	7 weeks ago	968MB
hello-world	latest	bf756fb1ae65	6 months ago	13.3kB
node	11	5b97b72da029	12 months ago	904MB

④ Use Sharedstreets API (example)

4.1 Extract

```
docker run -it -v [/path/to/data/on/host/]:/data/ --rm shst-image  
shst extract /data/bbox.geojson
```

4.2 Match

```
docker run -it -v [/path/to/data/on/host/]:/data/ --rm shst-image  
shst match /data/511_filtered.geojson --snap-intersections --search-  
radius=16
```

To get more information about commands and parameters,
Please check <https://github.com/sharedstreets/sharedstreets-js>