

lab6 - DOCKER

```
git clone https://github.com/kartoza/docker-mapserver
docker build -t kartoza/mapserver_kartoza .
```

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An image is a read-only template with instructions for creating a Docker container. [Learn more](#)

LOCAL REMOTE REPOSITORIES

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| | NAME | TAG | STATUS | CREATED | SIZE | ACTIONS |
|--------------------------|---|--------|------------------------|--------------------|---------|---|
| <input type="checkbox"/> | kartoza/mapserver_kartoza 7c686f64010f | latest | In use | about 14 hours ago | 2.58 GB | ▶ ⋮ 🗑 |

```
o1ga@LAPTOP-PK5TQ3SK MINGW64 ~/Desktop/SpatialDatabases/docker_lab6/docker-mapserver (master)
$ docker run -d -p 8182:80 --name mapserver2 kartoza/mapserver_kartoza
470de3332c063b5275558be2a2cc0bec54216e11d660f8d5b9014a3a016c5a2a
```

Containers [Give feedback](#)

A container packages up code and its dependencies so the application runs quickly and reliably from one computing environment to another. [Learn more](#)

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| | NAME | IMAGE | STATUS | PORT(S) | STARTED | ACTIONS |
|--------------------------|--|--|---------|-------------------------|----------------|---|
| <input type="checkbox"/> |  mapserver2 470de3332c06 | kartoza/mapserver_kartoza:late | Running | 8182:80 | 44 minutes ago | ■ ⋮ 🗑 |

```

01ga@LAPTOP-PK5TQ3SK MINGW64 ~/Desktop/SpatialDatabases/docker_lab6/docker-mapserver (master)
$ winpty docker exec -it mapserver2 ./bin/bash
root@470de3332c06:/# ls -la
total 76
drwxr-xr-x 1 root root 4096 Dec 6 11:07 .
drwxr-xr-x 1 root root 4096 Dec 6 11:07 ..
-rwxr-xr-x 1 root root 0 Dec 6 11:07 .dockerenv
lrwxrwxrwx 1 root root 7 Oct 19 16:47 bin -> usr/bin
drwxr-xr-x 2 root root 4096 Apr 15 2020 boot
drwxr-xr-x 5 root root 340 Dec 6 11:07 dev
drwxr-xr-x 1 root root 4096 Dec 6 11:07 etc
drwxr-xr-x 2 root root 4096 Apr 15 2020 home
lrwxrwxrwx 1 root root 7 Oct 19 16:47 lib -> usr/lib
lrwxrwxrwx 1 root root 9 Oct 19 16:47 lib32 -> usr/lib32
lrwxrwxrwx 1 root root 9 Oct 19 16:47 lib64 -> usr/lib64
lrwxrwxrwx 1 root root 10 Oct 19 16:47 libx32 -> usr/libx32
drwxr-xr-x 2 root root 4096 Oct 19 16:47 media
drwxr-xr-x 2 root root 4096 Oct 19 16:47 mnt
drwxr-xr-x 2 root root 4096 Oct 19 16:47 opt
dr-xr-xr-x 244 root root 0 Dec 6 11:07 proc
drwx----- 1 root root 4096 Dec 5 21:11 root
drwxr-xr-x 1 root root 4096 Dec 4 17:57 run
lrwxrwxrwx 1 root root 8 Oct 19 16:47 sbin -> usr/sbin
-rwxr-xr-x 1 root root 2407 Dec 5 20:59 setup.sh
drwxr-xr-x 2 root root 4096 Oct 19 16:47 srv
dr-xr-xr-x 11 root root 0 Dec 6 11:07 sys
drwxrwxrwt 1 root root 4096 Dec 6 11:07 tmp
drwxr-xr-x 1 root root 4096 Dec 4 17:53 usr
drwxr-xr-x 1 root root 4096 Dec 4 17:52 var

```

```

apt-get update
apt-get install -y postgresql-client
psql postgresql://postgres:*****@host.docker.internal/project #checking connection with db

```

```

project=# \dt
          List of relations
Schema | Name | Type | Owner
-----+-----+-----+-----
public | iso_metadata | table | postgres
public | iso_metadata_reference | table | postgres
public | spatial_ref_sys | table | postgres
public | tmp_out | table | postgres
(4 rows)

project=#

```

```

apt-get update
apt-get install vim

mkdir map
cd map
vim dem.map

```

```

root@470de3332c06:/map# ls -la
total 12
drwxr-xr-x 2 root root 4096 Dec 6 12:10 .
drwxr-xr-x 1 root root 4096 Dec 6 12:08 ..
-rwxrwxrwx 1 root root 571 Dec 6 12:10 dem.map
root@470de3332c06:/map#

```

