

Prerequisites

- Mariadb Development Libraries (libmariadbclient-dev, libmariadb-dev)
- gcc/g++ (At least gcc v6.3.0)
- build-tools (pkgconf, build-essential)

Installation

- Clone this repository
- Compile (see below)
- Copy `conf/config.conf.example` to `conf/config.conf` and fill in the blanks
- Create Cronjob to run the binary every week

Compilation

A precompiled binary aswell as the minified Javascript files can be downloaded as a job-artifact from CI/CD.

Alternatively, these artifacts can be downloaded with this command:

```
curl --location --output artifact.zip --header "PRIVATE-TOKEN: [TOKEN]"
"https://gitlab.boreus.de/api/v4/projects/1703/jobs/artifacts/master/download?job=[JOB]"
```

Where [TOKEN] is your private access token (can be issued from within your GitLab settings) and [JOB] is the name of the job, found under CI/CD of this project (e.g. `?job=compile:js`)

Automatic

```
make
```

Manual

- gcc v6.x.x

```
g++ -std=c++17 -D experimental -lmariadb -lstdc++fs src/main.cpp lib/*.cpp -I/usr/ -L/usr/ -o bin/routemap
```

- gcc v8.x.x

```
g++ -std=c++17 -lmariadb -lstdc++fs src/main.cpp lib/*.cpp -I/usr/ -L/usr/ -o bin/routemap
```

- gcc v10.x.x

```
g++ -std=c++17 -lmariadb src/main.cpp lib/*.cpp -I/usr/ -L/usr/ -o bin/routemap
```

Usage

```
Usage:
  -h | --help           ->   Display this help
  -d | --debug          ->   Display debug info
  -q | --quiet          ->   Do not output anything
                           /\ Critical errors bypass this option
  -n | --no-execute     ->   Do not send any queries to the database
  -f | --firewall [fwXX] ->   Only process routing data for specified firewall
                           /\ Intended to be used by the firewalls themselves
```