

routing.openstreetmap.de

Michael Spreng

State of the Map Milano

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What is routing.openstreetmap.de?

- Routing service on OpenStreetMap data
- Supports pedestrian, cyclist and car routing



Why?

All routing servers on openstreetmap.org are run by commercial entities.

This is an independent, community run server.

- Offer routing on openstreetmap.de and possibly openstreetmap.org
- Support pedestrians and/or cyclists
- Worldwide coverage

FOSSGIS

Association for free and open source software for geospatial information systems

Local chapter for Germany in the OSM foundation

hardware

- 2 servers with
- 6 cores and
- 256GB ram each

load balancing:

server 1

Preprocessing and American half
of bike routing graph

server 2

Foot, car and Eurasian part of
bike routing graph.

OSRM: Open Source Routing Machine

Strengths:

- Very fast even for long routes
- Can handle many requests

Weaknesses:

- no customization possible (like avoid gravel roads, or prefer less busy roads)
- no height data

Give it a try

<https://routing.openstreetmap.de>

The screenshot displays the OpenStreetMap routing interface. The map shows a blue route starting at Piazza Luigi di Savoia and ending at Via Donatello. The interface includes a search bar at the top left with the starting point 'Immaginam, Piazza Luigi di Savoia, Centrale, I' and the destination 'Edificio 2 - Bruno Finzi, Piazza Leonardo da Vinci'. The route is shown on a street map with various landmarks and buildings. On the right side, there is a sidebar with the OSRM logo and the route details: 'Via Enrico Petrella, Via Donatello', '2.2 km, 30 min'. Below this, a list of instructions is provided for the route, including directions like 'Head southwest on', 'Turn left onto', and 'Turn right onto'. The instructions are accompanied by icons representing the turn directions and distances. At the bottom right, there is a small text: 'About this service | © OpenStreetMap contributors'.

Immaginam, Piazza Luigi di Savoia, Centrale, I

Edificio 2 - Bruno Finzi, Piazza Leonardo da Vinci

OSRM

Via Enrico Petrella, Via Donatello

2.2 km, 30 min

- Head southwest on 10 m
- Turn left onto 80 m
- Turn left onto 30 m
- Turn right onto 90 m
- Turn sharp left onto **Piazza Luigi di Savoia** 10 m
- Turn right onto **Viale Andrea Doria** 80 m
- Turn right onto **Via Mauro Macchi** 4.5 m
- Turn left onto 100 m
- Make a slight right onto 25 m
- Turn right onto **Piazza Calazzo** 50 m
- Turn right onto **Via Franchino Gaffurio** 150 m
- Turn left onto **Via Enrico Petrella** 250 m

About this service | © OpenStreetMap contributors

Community work

All used software is open source, see links on the about page
<https://routing.openstreetmap.de/about.html>

You can help:

- Report errors, bad routes
- improve the profiles

report it on github

<https://github.com/fossgis-routing-server/routing-chef>
or by mail fossgis-routing-server@openstreetmap.de