Public Transport Navigation
Who we are

- We are a small team of 10 persons
- 9 years of developing
- Open source (github)
- Over 100 contributors
- More than 1.5 million active users
Four general projects

OsmAnd Maps & Navigation
- android

OsmAnd Maps
- iOS

OsmAnd Online
- android

Open Place Reviews
- Android & iOS
Timeline of the project

- Idea on SoTM - 2018
- Start project - September 2018.
- Beta testing - February 2019.
- The first release of Public Transport
  - OsmAnd 3.3 (March 2019)
- Now we are testing and improvement Public Transport
Who use Feature of Public Transport

Travelers

OSMers
How does it work

Tagging schema - The New Public Transport Schema (PTv2)
How does routing work?

- Update your OsmAnd app to version 3.3 or higher
- In Public transport profile specify the start and end points of the route
- OsmAnd selects the best routes
- You can see route details
- You should choose a route and display it on the map
What do you see in OsmAnd

1. 

2. 

3. 

...
How to check Public Transport routes

Guideline for public transport
osmand.net/blog/guideline-pt

![QR Code Image]

![Map Image]
Current problems with Public Transport

- Duplicate routes
- No full-service information
- No facilities for handicapped passengers
- No support of transport tag `interval`
- No support of transport tag `opening:hours`
Main Problem - timetable

Bergheimer Str. 109/1, 69115 Heidelberg
Langgewann 9, 69121 Heidelberg

Send directions to your phone

4:44 PM—5:03 PM  
19 min

5:01 PM—5:13 PM  
12 min

Details

From Stadionweg  
1 transfers
38 min, 5.01 km • Walk 22 min, 1.15 km
What can we do to solve it

GTFS

OSM route

OSM Master route
We have the Tool, we don’t have data

- Store tripId with GTFS link in OSM
  - TripID is not stable in GTFS

- Store OSM relation id in GTFS trip table
  - RelationID is not stable enough

- Project that collects GTFS links and augments trip table with relation Id based on algorithms and manual corrections
Thank you!