Map & Route Optimiser (BY

User Guide · Odoo 18.0 & 19.0

Optimise delivery and visit routes using your own Google/Mapbox key (BYOK)

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1. Overview

Map & Route Optimiser (BYOK) ==========

Stop planning delivery and field-visit routes by hand. This module builds optimised multi-stop routes for a driver/day using your own mapping provider key (Bring Your Own Key) - Google Maps, Mapbox or a built-in haversine estimator that needs no key at all.

Features -------- * Map provider connection records storing your own API key (BYOK), with a selectable distance/duration engine. * Routes with ordered stops, each linked to a contact and optional source document (e.g. a delivery order). * A nearest-neighbour + 2-opt optimiser that reorders stops to minimise total travel distance from a configurable start (depot) location. * Per-stop and per-route distance, duration, ETA and time-window checks. * Haversine fallback so the optimiser works offline; provider keys upgrade the estimates to real driving distances when configured. * Driver assignment, route lifecycle (draft -> optimised -> dispatched -> done) and a recompute-from-pickings wizard.

Complements field-service and TMS apps with BYOK mapping. No mandatory external account; the customer supplies their own key.

2. Installation

Open Apps, click Update Apps List, search for “Map & Route Optimiser (BY” (technical name **gb_map_route_optimiser**) and press Install. The module supports Odoo 18.0 and 19.0, Community and Enterprise.

3. Menus & Navigation

After install the following menus become available:

- Route Optimiser
- Routes
- Configuration
- Map Providers

4. Feature & Data-Model Reference

The app implements the following records and engines:

Model	Purpose
map.provider	Map Provider Connection (BYOK)
route.stop	Route Stop
route.optimiser.mixin	Route Optimisation Helpers
route.plan	Optimised Route Plan
route.build.wizard	Build Route Stops from Deliveries

5. Typical Workflow

1. Open the app's Configuration menu and set up the master data / policies it needs.
2. Create the main operational record from its primary menu.
3. Use the action buttons on the form (e.g. Confirm / Compute / Post / Generate) to run the engine.

4. Review the results in the list, pivot and report views; export or post where applicable.

6. Support

Email **support@pokutsoft.com** or visit **https://pokutsoft.com**. Please include your Odoo version (18.0 / 19.0) and the module technical name.