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Jouca / IDFM_GTFS-RT Public

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main | Go to file | Code

Jouca [main]: Implementing clearI... a96fbbb · last week

.github/workflows	[main] Fix java versio...	last month
.mvn/wrapper	Merge pull request #...	last month
src	[main]: Implementin...	last week
.env.example	[main]: Update env v...	last month
.gitattributes	Initial commit (reset ...	6 months ago
.gitignore	[main]: Test coverage	last month
Dockerfile	Update eclipse-temu...	2 weeks ago
LICENSE	[main]: Add license	last month
README.md	[release]: Release ve...	last month
docker-compose.yml	[main]: Added docke...	last month
logo.png	[main]: Update logo	last month
mvnw	Update dependency ...	last month
mvnw.cmd	Update dependency ...	last month
pom.xml	Merge pull request #...	2 weeks ago
renovate.json	Add renovate.json	last month

About

Real-time transit data bridge converting IDFM (Île-de-France Mobilités) feeds to standardized GTFS-Realtime Protocol Buffers

gtfs transport gtfs-realtime gtfs-rt siri-lite idfm

Readme
MIT license
Activity
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Releases

5 tags

Packages 1

idfm_gtfs-rt

Contributors 2

Jouca
renovate[bot]

Languages

Java 99.7% Dockerfile 0.3%

README | MIT license

LAST COMMIT NOVEMBER | COMMIT ACTIVITY 0/WEEK | GITHUB NO RELEASES OR REPO NOT FOUND | CREATED AT APRIL | JAVA 21 | SPRING BOOT 3.5.6 | LICENSE MIT

IDFM GTFS-RT Bridge

A Spring Boot application that bridges IDFM (Île-de-France Mobilités) real-time transit data to GTFS-Realtime.

📋 Overview

This service fetches real-time transit information from the IDFM network and converts it into standardized GTFS-Realtime Protocol Buffer files. It provides REST endpoints to access:

- **GTFS-RT Alerts**: Service disruptions, delays, and transit alerts
- **GTFS-RT Trip Updates**: Real-time vehicle positions, estimated arrival/departure times, and schedule adherence

Free Online Usage

Features

Technology Stack

Prerequisites

Quick Start

GTFS Database Setup

Using Pre-built Docker Image from GitHub Container Registry (Recommended)

Using Docker Compose (Build from Source)

Manual Installation

Configuration

Environment Variables

API Endpoints

GET /gtfs-rt-alerts-idfm

GET /gtfs-rt-trips-idfm

POST /gtfsentities

Project Structure

How It Works

Docker Deployment

Docker Commands

Resource Limits

Testing

Code Coverage

Development

Building from Source

Adding Dependencies

Contributing

License

Author

Acknowledgements

Resources

Troubleshooting

Common Issues

- Verify Java 21 is installed: `java -version`
- Check if port 8507 is available: `lsof -i :8507`
- Ensure `.env` file is properly configured
- Verify API_KEY is set in `.env` file

Docker container exits immediately

- Check container logs: `docker compose logs -f`
- Verify `.env` file exists and is properly formatted
- Ensure sufficient system resources (12GB RAM, 8 CPU cores)

No data in feeds

- Verify API_KEY is valid
- Check logs for API connection errors
- Ensure GTFS database (gtfs.db) is present and not corrupted
- Verify GTFS_URL (if set) points to a valid GTFS ZIP file

High memory usage

- This is expected for large transit networks
- Adjust `mem_limit` in `docker-compose.yml` if needed
- Monitor with: `docker stats gtfs_app`

Logging

To enable debug logging, update `application.properties`:

```
logging.level.org.joura.idfm_gtfs_rt=DEBUG
```

Or set in `.env`:

```
LOGGING_LEVEL_ORG_JOURA_IDFM_GTFS_RT=DEBUG
```

🐛 Issues

If you encounter any issues, please file a bug report on the GitHub Issues page.

Note: This is an unofficial project and is not affiliated with SIFIM or Île-de-France Mobilités.