

PETI public APIs

PETI Public APIs (Integration Guide)

This document describes the public PETI APIs intended for third-party integration, including endpoints, request formats, supported filters, and content types.

Overview

PETI provides two ways to access data:

1. **PETI Read API (real-time)**

Query stop data with optional filters. Data is updated in real time.

2. **Kooste static datasets (daily)**

Bulk downloadable files updated once per day.

1) PETI Read API (Real-time)

Purpose

Read PETI stop data with real-time updates. Supports filtering by `transportModes` and `areaCodes`.

PETI Numeric ID

PETI Read API provides a transient Key/Value called *peti_numeric_id* for a limited transition period (will be deprecated 12/2027). It is calculated for both StopPlace and Quay using formula:

- StopPlace: $\text{peti_numeric_id} = \text{FSR:StopPlace:123} + 1\,000\,000 = 1000123$
- Quay: $\text{peti_numeric_id} = \text{FSR:Quay:345} + 5\,000\,000 = 5000345$

Environments / Base URLs

- **Test:** `https://peti-test.fintraffic.fi/api/fintraffic/v1/stops`
- **Production:** `https://peti.fintraffic.fi/api/fintraffic/v1/stops`

Request

HTTP method

- `GET`

Query parameters (optional)

- `transportModes`
Comma-separated list of transport modes.
- `areaCodes`
Comma-separated list of TVV codespace identifiers (three uppercase letters).
- `municipalityCodes`
Comma-separated list of official municipality codes (kuntakoodi).

If no query parameters are provided, the API returns **all data**.

Supported `transportModes` values

- `air`
- `bus`
- `coach`
- `ferry`
- `metro`
- `rail`
- `trolleyBus`
- `tram`
- `water`
- `cableway`
- `funicular`
- `lift`
- `other`

`areaCodes` format

- TVV codespaces: **three uppercase letters** (example: `HSL` , `FÖL`).
- Multiple values: comma-separated (example: `areaCodes=HSL,FÖL`).

`municipalityCodes` **format**

- Use the three digit format such as `092,609`

Example requests

- All data:
`GET https://peti.fintraffic.fi/api/fintraffic/v1/stops`
- Filter by multiple area codes:
`GET https://peti.fintraffic.fi/api/fintraffic/v1/stops?
areaCodes=HSL,FÖL`

- Filter by multiple transport modes and area codes:

```
GET https://peti.fintraffic.fi/api/fintraffic/v1/stops?transportModes=rail,bus&areaCodes=HSL,FÖL
```

- Filter by municipality code:

```
GET https://peti.fintraffic.fi/api/fintraffic/v1/stops?municipalityCodes=092
```

Responses (typical)

- 200 OK
Content-Type: application/xml;charset=utf-8
 - 400 Bad Request (invalid parameter values)
 - 5xx (transient server errors)
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2) Kooste Static Datasets (Daily)

Purpose

Download prepackaged static datasets for bulk/offline use. Updated twice per day.

Environments / Base URLs

- **Test:** `https://rae-test.fintraffic.fi/kooste`
- **Production:** `https://rae.fintraffic.fi/kooste`

Access method

- HTTP download (GET) of dataset files from the base URL.

Data freshness

- Updated twice per day.

Content types

- Request header (recommended): `Accept: application/zip`
- Response header (typical): `Content-Type: application/zip`

Example requests

- PETI-all-GTFS.zip:

```
GET https://rae-test.fintraffic.fi/exports/PETI-all-GTFS.zip
```

- GTFS field mapping
 - `stop_code` ← NeTex Quay/PrivateCode
 - `mta_stop_id` ← NeTex Quay/KeyValue/digiroad_id

- PETI-all-NeTEx.zip:

GET <https://rae-test.fintraffik.fi/exports/PETI-all-NeTEx.zip>

- PETI-rail-NeTEx.zip:

GET <https://rae-test.fintraffik.fi/exports/PETI-rail-NeTEx.zip>

Responses (typical)

- 200 OK (*.zip)
- 404 Not Found (unknown file)
- 5xx (transient server errors)