

# EDI Manager

The EDI Manager is a Rust-based system for integrating MoneyWorks (MW) accounting software with the Peppol/Edimondo e-invoicing and e-ordering network. It automates the import, export, and processing of invoices and orders between Moneyworks and Edimondo using UBL (Universal Business Language) XML documents.

## Technical documentation

### Key features:

- **MW Transaction Export:** Extracts transactions from Moneyworks, builds UBL XML documents using JSON templates, and exports them to Edimondo.
- **MW Transaction Reprocessing:** Supports reprocessing of transactions based on status and colour flags.
- **Edimondo Status Checking:** Checks the delivery status of sent documents and updates MW/DB accordingly.
- **Order Import:** Retrieves orders from Edimondo, parses UBL XML, and imports them into MW.
- **Configurable:** Uses TOML configuration files for server, business, and email settings.
- **Logging:** Logs operations and errors to rotating log files.
- **Utilities:** Provides date/time formatting, file writing, and folder setup functions.

### Main modules:

- `mw_to_ubl.rs`: MW → UBL/Edimondo export logic.
- `ubl_to_mw.rs`: Edimondo → MW import logic.
- `mw.rs`: MW API communication.
- `edimondo.rs`: Edimondo API communication.
- `invoice.rs`, `order.rs`: UBL document construction and parsing.
- `export.rs`, `operations.rs`: MW transaction and detail handling.
- `db.rs`: Database operations for exports/imports.
- `config.rs`: Configuration management.
- `utilities.rs`: Utility functions.

### Entry point:

`main.rs` calls ``start_server`` which runs the main service loop.

## Data flow:

Moneyworks transactions are exported, transformed to UBL XML, sent to Edimondo, and their status is tracked. Incoming orders from Edimondo are parsed and imported into Moneyworks.

## Config files:

- config.toml for settings
- control\_file.txt for last modified timestamps
- JSON templates for UBL documents in templates

For more details, see the main service logic in lib.rs and mw\_to\_ubl.rs

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