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 MW, 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:

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

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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