

RENware Software Systems

## INVOICetoROefact Project

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  - [0.1 \(-#NOTE\\_wip...\)](#)
    - [#TODO...\\_wip... 0.1.22.dev xl2roefact application interface improvements & invoice customer info-optional items \(bank, email, reg-com, phone\) \(#NOTE upd ".dev" qualifier & set date here...\)](#)
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## CHANGELOG

- For version code structure meaning see SDEVEN methodology document
- with *(F)* are marked those changes that are features in order to be copied in a RELNOTE file and with *(B)* bug fixes from versions released
- publishing is made under `publishing` branch
- `<PROJECT_ROOT>/doc_src/` is the default starting location in a file path (if not clear from context) (**ATTN** - in production environment is `docs/` )
- `<WEB_ROOT>/` is the HTTP server root directory, as default `docs/` and supposed if no other parent is specified

## 0.1 (-#NOTE\_wip...)

```

- ---[ #TODO general planning board ]-----
* ai un exemplu complet si complet agnostic (trimis Gigi) de factura format XML si PDF
tiparit ca sa faci: (1) incarcare XML (2) geenrare PDF (3) compararea variantelor si
identificarea schemei XSD + document specificatii ANAF ref sistemul E-Factura (PDF trimis Liviu)
* -#NOTE link Swagger servicii web: `https://mfinante.gov.ro/web/efactura/informatii-
tehnice`
* -#NOTE link specif API incarcare fact:
`https://mfinante.gov.ro/static/10/eFactura/upload.html#/EFacturaUpload/handleRequest`

- ---[ #TODO short planning board ]-----
* left OPEN ISSUES on: `0.1.7` release (and drop them when fixed).
...Aici descrierea pe scurt: in file
`xl2roefact\invoice_files\_PLAN_model_test_factura_generat_anaf.xml`, line 114:_
`<cbc:ID>S</cbc:ID> #FIXME clarify.me_ pare a fi TIPUL PRODUSULUI: (S)erviciu sau ??? (P)roduct
sau ???`
-
* ... FUTURE NEW APP COMMANDS :
* `config` - set `config_settings.py` variables (make it INTERACTIVELY using `Rich
prompt`)
* `xl2json` - crt_wip... (last upd @ 240123)
* `json2xml` - see module WRXML,
* `json2pdf` - new tbd.,
* `xml2roefact` - see module LDXML
* chk for other commands from doc
`https://apitoroefact.renware.eu/commercial_agreement/110-SRE-
api_to_roefact_requirements.html#componenta-xl2roefact`
-
* -#NOTE_PLAN `rdinv` module:
* invoice header
* [ ] wip... invoice header - customer bank, RegCom, email, tel, ...
* [ ] invoice header - supplier (`<cac:AccountingSupplierParty>`)
* [ ] invoice grand totals (there was left a comment ref whole XML structure in
rdinv(), line # ~ where build & write "Invoice" key)
-----
-----

```

#TODO...\_wip... 0.1.22.dev xl2roefact application interface improvements & invoice customer info-optional items (bank, email, reg-com, phone) (#NOTE upd ".dev" qualifier & set date here...)

- tbd.Must... @RELEASE follow [/RELEASE-QA\\_checklist.md](#)
- wip.Would... automate GitHub site build & publishing. Last attempt @ 240216piu\_a.
- tbd.Should... [piu\_240126] left in `setup.py` comments & example ref how to **pre-set MSI build meta information** / parameters (obj: default target dir where install, path registration, ...)
- tbd.Must... publish `xl2roefact` package --> read PDM doc ref package release
- tbd.Could... init a PDM simple env in project root. Keep in mind:
  - root project is for SITE GENERATION. ? the `web2roefact` will need its own directory like `xl2roefact` ?
  - as consequence the project name is **INVOICEtoROefact**

- and the version is last from CHANGELOG
- tbd.Must... invoice customer search for other keys: "reg com", "bank / IBAN / cont", "tel", "email" (start in `rdinv()` w./line 179 & then 331)
- wip...
- TODO: wip ...240214piu\_b make in site a dedicated page for downloads: "Help --> Downloads" and refer it in all places where downloads are intended. Detailed specs:
  - ✓ dedicated downloads page `doc_src/downloads.md` #NOTE use template from main README.md
  - ✓ collected all existing dwnld links in `doc_src/downloads.md` - need to be moved at their right positions in file
  - ✓ for next items, in `downloads.md` there are **already built links to sections** (as html comments in file):
    - ✓ refer that page in `xl2roefact/README.md`
    - ✓ refer that page in `xl2roefact/doc/README_xl2roefact_library.md`,  
`excel_invoice_template/README.md`
    - ✓ refer that page in `excel_invoice_template/README.md`
  - ✓ `mkdocs.yml` nav entry for "Help --> Descarcare resurse (Downloads)" to `doc_src/downloads.md`
  - ✓ fill in `...downloads.md` page with all existing deliverables GROUPED BY file types & ORDER BY version DESC
- -----TODO:..from.here.to.up:----- test & rebuild all ( `pdm build_all` ) & site. Updates to check: - page "Help --> Downloads" (or in toptnav area?) - `app_cli.settings()` function docstring: display arguments in "Referinta API" - chk if show `-r` option in "Referinta CLI"
- 240216piu\_a automated GitHub site build & publishing. FIXED ERROR:
 

```
mkdocs_typer._exceptions.MkDocsTyperException: 'run' must be a 'typer.main.Typer' object, got
<class 'function'> was changed run object to app_cli one
```
- 240214piu\_c.BUGFIX ref 240213piu\_a.FAILED fixed & enabled `.github/.../ci.yml`. To test by merging to build
- 240214piu\_a xl2roefact component ( `.../app_cli.py` ) function `settings(...)` add `--rules` option (param) to display `config_settings.__doc__`
- 240213piu\_a.FAILED merged for `/requirements.txt` lief package update as OK-PAS & disabled gh-workflow by renaming `ci.yml` to `ci.yml temp_disabled`. Actions tried: (-1.) updated `.gh-workflow.../ci.yml` (-2.) "small change" in `/README.md` in copyright year to test (-3.) merge to build branch for test
- 240212piu\_e.BUGFIX navigation "xl2roefact --> Referinta CLI" (file `/mkdocs.yml` ). Updated `xl2roefact/README.md` add a `<a id="comenzile-aplicatiei"></a>` after header "## Comenzile aplicatiei" paragraph "Detalii comenzii:" and ref it accordingly in `mkdocs.yml` navigation following HTML file, not MARKDOWN one
- 240212piu\_d rebuild all deliverables `pdm build_all` ==> v0.1.22 MSI, WHL, SDIST & moved them to a dedicated `_WIP_0.1.22_/` until decide to rebuild or keep
- 240212piu\_c added navigation "xl2roefact --> Referinta CLI" (file `/mkdocs.yml` ). Built & published site ( `mkdocs build` ).

- 240212piu\_b updated `.../xl2roefact/app_cli.py` to format app logo string as markdown. Updated packages (`pdm build_all`).
- 240212piu\_a review and updated xl2roefact logo (file: `...xl2roefact/__version__`). Updated API Reference doc (`pdm build_doc`). Clean project of obsolete files & open issues

### 0.1.21.post3 cleaned system documentation and site (240211 h23:59)

- 240211piu\_b tested & reviewed 240211piu\_a ==> published site
- 240211piu\_a updated `xl2roefact/README.md` clean section "Instalarea", preserved only Windows and Linux specs to run CLI component, ie, dropped library references as irrelevant at this point
- 240210piu\_b test for iss 240210piu\_a ==> PASS
  - ✓ app as functional (there are updates in code),
  - ✓ re-build tech doc (`pdm build_doc`),
  - ✓ build & publish site
- 240210piu\_a reviewed & updated all `xl2roefact` modules for their docstring
- 240209piu\_c updated `xl2roefact` component, README file, restructured info ref JSON file format (dropped redundant info)
- 240209piu\_b reviewed & corrected 240209piu\_a, 240208piu\_a. Published site
- 240209piu\_a updated `xl2roefact` \* documentation to drop redundant info (badges, prev versions useless details)
- 240208piu\_a updated `xl2roefact` library documentation, docstring(s) and `mkdocs.yml` navigation entries to clarify subjects by using specific technical terms (this component address technical users not business ones)
- 240207piu\_b improve site readability by detailed description at bullet items level and dropping / moving in other parts the content non "end user related" from: `/README.md`, `doc_src/.../810.05a-system_components.md`
- 240207piu\_a updated all site in pages references to system components & deliverables version

### 0.1.21.post2 xl2roefact app detailed section with commands & options "--help" like (240206 h23:59)

- 240206piu\_c test & release: -- create release, -- publish site, -- save deliverable archives
- 240206piu\_b install package: `pip install mkdocs-typer` & upd back `requirements.txt`
- 240206piu\_a add `mkdocs-typer` extension and update `xl2roefact/README.md`, section `Comenzile aplicatiei` page with generated documentation by this plugin

### 0.1.21.post1 fixed missing links in site root index page (240203 h10:30)

- 240203piu\_a fixed links in `/README.md` for: `xl2roefact` PyPi entry

## 0.1.21 rollout news in system portal invoicetoroefact.renware.eu (240203 h09:00)

- 240201piu\_a reorganized `x12roefact*` components by disseminating the installable application, which is something available "as is now" just for Windows operating system. For Linux there is no difference between command line application and Python package *from an end user point of view*.
- 240131piu\_a `x12roefact/doc/810.05a-x12roefact_component.md` clean & transform to "first entry to `x12roefactPyPi`"
- 240131piu\_a updated `mkdocs.yml`: cleaned navigation, created version variables, updated default site build directory to `docs/`, cleared excluded directories entry
- 240130piu\_b reviewed all changes, update site PDF generator file (mvd `print_page.md` to root) location, fixed navigation. PUBLISHED for `x12roefact` component
- 240130piu\_a reviewed `x12roefact` README: cleaned, translated 2 RO, structured to "end user needs"
- 240129piu\_d updated `x12roefact` to have "Descrierea detliata" link in `810.05a-system_components.md`. Prepared component to be published: `mkdocs.yml` navigation & main site README index
- 240129piu\_c updated all site pages to contain `<small>**RENware Software Systems**</small>` & [TOC] after title
- 240129piu\_b cleanup project docs, requirements, fresh install ==> published site as is at this point (invoice template finished)
- 240129piu\_a updated `x12roefact/README.md` with section for assets download
- 240128piu\_e formal versioning `invoice template` component
- 240128piu\_d updated & closed component `invoice template`. Referred in:
  - `doc_src/810-DSGN/810.05a-system_components.md`
  - portal first page
  - navigation in `mkdocs.yml`
- 240128piu\_c moved `x12roefact/excel_invoice_template/` directory to root as being distinct component, review it and closed to be published
- 240128piu\_b revised, updated and closed crt version of `excel_invoice_template/README.md`
- 240128piu\_a updated `x12roefact/README.md` & `excel_invoice_template/README.md` files, cleared modularization & structure presented in system public site
- 240127piu\_d Unify main project `/README.md` with `doc_src/index.md`:
  - make the same INDEX just in the project root == `index / README` of whole project
  - keep from actual project `README.md` the section ref project identification and move it to end of file as last section
- 240127piu\_c created `/index.html` to redirect to "real" system index (`doc_src/index.md`) and prevent usage of project `README.md` file instead
- 240128piu\_c checked work 240127piu\_a, 240127piu\_b, updated `about.md` and navigation with ref to sys structure (`.../810.05a-system_components.md`)

- 240127piu\_b update system components and their classification (in `.../810-DSGN/810.05a-system_components.md`)
- 240127piu\_a updated `810-DSGN/810.05a-system_components.md`, defined a classification usable to quickly find out *who-does-what*
- 240125piu\_a updated `mkdocs.yml` by including `mkdocs-same-dir` plug-in

### 0.1.20.dev invoice customer address (240123 h10:00)

- 240123piu\_b make a full chk / review for FIXME & run `pdm build_all`
- 240123piu\_a `def_inv_dir` issue ref Excel invoices default get directory, see comments in `app_cli.py` function `xl2json(...)`
- 240121piu\_a updated `config_settings.py` & `rdinv.py` with constants: `PATTERN_FOR_PARTNER_REGCOM`, `PATTERN_FOR_PARTNER_IBAN`, `PATTERN_FOR_PARTNER_TEL`, `PATTERN_FOR_PARTNER_EMAIL`, `PATTERN_FOR_PARTNER_BANK`
- @CANCELED 240118\_admin02 generalize a function `get_partner_info(partner_type: str "customer" | "supplier")` to get partner info with partner type as being parameter
- 240118piu\_a reviewed and cleaned code: `rdinv.rdinv()`, `config_settings`, `excel_invoice_template/invoice_template_CU_tva.xlsx` (according to updates in testing used invoice)
- 240113piu\_a to find `cac:PostalAddress` and write to:
  - ✓ 1. right set position of key `"cac_PostalAddress"` in basic structure (`invoice_header_area`)
  - ✓ 2a. find excel area ref customer address (...`invoice_header_area`...)
  - ✓ 2b. disseminate & save excel original area (...`invoice_header_area`...)
  - ✓ 3. get & set `[ "Invoice" ][ "cac_PostalAddress" ]` and all is subsequent keys
  - ✓ 4. update XML - JSON map for item "under" `cac_PostalAddress`
  - ✓ 5. defined and included for use `DEFAULT_SUPPLIER_COUNTRY` and `DEFAULT_CUSTOMER_COUNTRY` both for "RO". Detailed desc and usage in `config_settings.py` & `rdinv.rdinv(...)`
  - ✓ 6. updated invoice template for country explicit field
- 240116\_admin\_01 upd **version** for 0.1.20

### 0.1.19.dev invoice customer and partial invoice total values calculations (240116 h06:00)

- 2401\_xl2roefact\_doc\_01 `xl2roefact` update technical documentation, file `xl2roefact/doc/810.05a-xl2roefact_component.md`
- 240112piu\_b 95% clean code `rdinv()` from customer area identification, from line 204 (kept a DBG print just for area identification (useful for next task ref the same ops but for Supplier))
- 240112piu\_a module `app_cli.py`, created `called_when_no_command(...)` function called when no command is invoked and to provide only application version (for external users to test it!)

- 240110piu\_c `x12json` about command to get version & "nice" LOGO from `x12roefact/__version__.py`, vars `__version__` & `__doc__`
- 240110piu\_b `x12roefact/setup.py` ref get app version from file when build EXE/MSI test for `__version__` is correctly get and release
- 240110piu\_a reviewed & updated `x12roefact` package `README.md` + `x12roefact/__version__.py` with an app logo and for text mistyping bugs
- 240108piu\_c changed `pyproject.toml` for auto update package version from file `x12roefact/__version__.py` (see also opiss 240108piu\_b)
- 240108piu\_b created `x12roefact/__version__` file that contains variable `__version__` with INTENTION to use in `pyproject.toml` for app version key (in a future issue)
- 240108piu\_a more items:
  - `config_settings.py` created entry `PATTERN_FOR_PARTNER_ADDRESS` & updated `rdinv` module in constants area
  - add comments in `app_cli.py` ref `def_inv_dir` issue &&...
  - updated environment dependencies and installed `pyinstaller` development package with intention to make "single EXE" application to be able to run "from USB stick"
- 240107piu\_a reviewed `x12roefact` package `README.md`:
  - (c) explained proposed & promoted directory structure used by CLI application
  - (b) short invoice JSON file structure
  - (a) created first version of tutorial section
- 240106piu\_a invoice customer search and persist for "RegistrationName"

### 0.1.18.dev invoice customer CUI partial invoice total values calculations (240105 h08:00)

- 240105piu\_c updated `x12roefact` package `README.md` file (with new sections for intro to Excel invoice content rules, tutorial TODO, reference to technical doc)
- 240105piu\_b invoice customer search and persist for "CUI"
- 240105piu\_a `rdinv.def get_excel_data_at_label(...)` changed strategy for DOWN search-method made it optional with default True (useful for Partners set-of KVs where is supposed to be or IN-LABEL or in RIGHT but NOT DOWN because there is a list of KVs not just one placed anywhere in Excel doc) #TODO tgis is subject of doc update
- 240103piu\_d `rdinv.def get_excel_data_at_label(...)` changed strategy for IN-LABEL search-method to return all string except first word (supposed to be label) separated by space character (old strategy was to get only last work from all string)
- 240103piu\_c ref invoice customer created in `config_settings.py` PATTERNS for search keys `PATTERN_FOR_PARTNER_ID` (CUI or ID), `PATTERN_FOR_PARTNER_LEGAL_NAME`

- 240103piu\_b calculated item lines VAT amount as `cac_InvoiceLine.LineVatAmount` as raw float value (not rounded to be able to round just invoice TOTAL)
- 240103piu\_a `rdinv.rdinvent()` updated JSON -- XML map (part of function `_build_meta_info_key(...)`)
- 240102piu\_a `rdinv.rdinvent()` upd & improved a clear Customer specific XML compliant structure. Targeted this XML structure:

```
<cac:PartyLegalEntity>
  <cbc:RegistrationName>IORDANESCU PETRE PFA</cbc:RegistrationName>
  <cbc:CompanyID>21986376</cbc:CompanyID>
</cac:PartyLegalEntity>
```

- 240101piu\_a clean useless & obsolete project files, test new full build (MSI, Python wheel, documentation) ==> PASS OK
- 231229piu\_a invoice customer ( `<cac:AccountingCustomerParty>` ) detect & set area to search for specific keys (like CUI, RegCom, IBAN, ...)
- ✓ 1. established AREA TO SEARCH for PARTNER data an `_area_to_search` (~line 244)
- ✓ 2. updated `config_settings.py` changed: (for a clear understating of constant scope, because will follow others for specific keys like: "reg com", "CUI", "bank / IBAN / cont", ...)
- `PATTERN_FOR_INVOICE_CUSTOMER_LABEL` --> `PATTERN_FOR_INVOICE_CUSTOMER_SUBTABLE_MARKER`
- `PATTERN_FOR_INVOICE_SUPPLIER_LABEL` --> `PATTERN_FOR_INVOICE_SUPPLIER_SUBTABLE_MARKER`
- ✓ 3. set-persist `_area_to_search` for next steps & save its key-info in associated invoice JSON (for further references) - `rdinvent()` ~line 239
- ✓ 4. updated main xl2roefact README.md document ref latter changes and app structuring, concepts, ... (ideas evolving :))...
- ✓ 5. done code for `cac_AccountingSupplierParty` key by iterating full `invoice_header_area["customer_area"]` structure
- 231228piu\_a improved documentation generation:
  - ✓ updated all modules docstring(s) to a right markdown representation in generated documentation (ex: when use bullets THEN DO NOT indent at 1st level)
  - ✓ @IMP\_NOTE: Changed generated documentation file to `doc/810.05a-xl2roefact_DLD_specs.md` and referred in main `doc/810.05a-xl2roefact_component.md` as this being a final solution for whole project documentation (that generated with `mkdocs`)
  - ✓ updated `pyproject.toml`, `[tool.pdm.scripts]` table with new generated doc file name (810.05a-xl2roefact\_DLD\_specs.md)
- 231227piu\_b updated `xl2roefact.rdinvent` module ref dropped `_` chars from internal function names to allow doc generation by PyDoc until will produce a YAML file for PyDoc generator (where will be able to specify concrete list of objects regarding their names)



- 231227piu\_a generated a first draft of markdown documentation:
  - ✓ used Pydoc Markdown @ <https://niklasrosenstein.github.io/pydoc-markdown/usage/yaml/#yaml-example>
  - ✓ results ==> <PJ\_ROOT>/xl2roefact/doc/generated\_810.05a-xl2roefact\_component.md
  - ✓ created PDM shell command `pdm run` (command just for quick remembers: `pydoc-markdown -I xl2roefact --render-toc >doc/generated_810.05a-xl2roefact_component.md`)
- 231226piu\_b reviewed `xl2roefact` all "in use" code and updated `docstrings`
- 231226piu\_a made some useful PDM scripts (ref `pyproject.toml`, table section `[tool.pdm.scripts]`) like build commands for:
  - ✓ `pdm build_wheel` Python package,
  - ✓ `pdm build_msi` MSI package,
  - ✓ `pdm build_all` build all packages
  - ✓ `pdm xl2roefact` run xl2roefact command
  - ✓ updated `doc/810.05a-xl2roefact_component.md`

### 0.1.17.dev fixed all application & package running standard ways (231224 h05:30)

- RELEASES:
  - `<PROJECT>/xl2roefact/dist/xl2roefact-0.1.17-win64.msi`
  - `<PROJECT>/xl2roefact/dist/xl2roefact-0.1.17.tar.gz`
  - `<PROJECT>/xl2roefact/dist/xl2roefact-0.1.17-py3-none-any.whl`
- 231224piu\_a made cli app to run as: Python package main app ( `python -m xl2roefact` ) and as script ( `python xl2roefact.py` ) while still letting the Python library `xl2roefact` as importable and use in a programmatic way:
  - ✓ make `.../xl2roefact/app_cli.py` (from actual `.../xl2roefact/__main__.py`) which is complete code of CLI app plus a `run()` function that just launch it
  - ✓ make `.../xl2roefact/__main__.py` that just import `app_cli` for `run()` function and call it
  - ✓ change actual `<xl2roefact ROOT>xl2roefact.py` to import `xl2roefact.app_cli` for `run()` function and call it
  - ✓ test for MSI package builds ref `<xl2roefact ROOT>xl2roefact.py`
  - ✓ clean code, test and close issue:
    - `python xl2roefact.py [OPTIONS] COMMAND [ARGS]...`
    - `python -m xl2roefact [OPTIONS] COMMAND [ARGS]...`
- 231223piu\_a multiple changes ref main code: `xl2roefact.py` and library `xl2roefact`, MAINLY created `xl2roefact/__main__.py` as normal of `xl2roefact.py`

## Archived CHANGELOGs

- 0.1.16.dev improving Excel kv-data search with "IN-LABEL" method
- 0.1.15 updated solution portal <http://invoicetoroefact.renware.eu/>
- 0.1.14.dev invoice issue date
- 0.1.13.dev invoice currency
- 0.1.12.dev invoice number
- 0.1.11.dev packaging improvements for app & xl2roefact package
- 0.1.10.dev command interface improved, `msi` package building, invoice template & updated documentation
- 0.1.9.dev `xl2roefact.RDINV` running executable and distribution kit
- 0.1.8.dev improved application structure and first executable release
- 0.1.7.dev `xl2roefact.RDINV` invoice items & metadata + *OPEN ISSUES*
- 0.1.6.dev commercial agreement OPTIONS document
- 0.1.5.dev init component `xl2roefact` for CLI application
- 0.1.4.dev Create system backbone structure
- 0.1.3.dev Enhancing `payments_validation_board` technical proposal
- 0.1.2.dev Enhancing `APItoROefact` technical proposal
- 0.1.1.dev Elaborating technical proposal
- 0.1.0.dev System raw backbone

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Last update: February 16, 2024