

RENware Software Systems

## INVOICEtoROefact Project

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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)
  * [ ] _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)rodus 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 mpdule LDXML
  * chk for other commands from doc
`https://apitoroefact.renware.eu/commercial_agreement/110-SRE-
api_to_roefact_requirements.html#componenta-xl2roefact`
  * PACKAGE SOLUTION:
    * [ ] publish `xl2roefact` package --> read `TODO_packaging.md`
-
* -#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)
-----
----
```

### 0.1.22.dev invoice customer address optional items (email, reg-com, phone) (#NOTE\_nxt... ...yymmdd hh:mm...)

- TODO:\_ASAP after 0.1.19 consider **0.1.0** where to update main portal doc and change:
  - all `APItoROefact` ==> `xl2roefact` cu inteles de `Excel invoices and RO eFact`
  - portal main navigation: link to GitHub Issues refined for 2 entries: *bugs & suport si documentatie utilizare*
- tbd... WHEN RELEASE UPDATE make a full chk / review for FIXME & run `pdm build_all`
- tbd.optional... [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... invoice customer search for other keys: "reg com", "bank / IBAN / cont", "tel", "email" (start in `rdinv()` w./line 179 & then 331)

## 0.1.21.dev rollout news in system portal invoicetoroefact.renware.eu (#NOTE\_wip... ..yymmdd hh:mm...)

- tbd... `x12roefact` PyPi component, EXPLAIN THAT IT IS part of and described in `x12roefact` CLI component published on PyPi
- tbd... ?KEEP? this doc `x12roefact/doc/810.05a-x12roefact_component.md` is more a "JUST FOR ME, HIW TO BUILD, ..." things capitalized by PDM scripts !!!
- 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.rdinvent()`, `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.rdinvent(...)`
  - ✓ 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) - `rdinv()` ~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`

## 0.1.16.dev improving Excel kv-data search with "IN-LABEL" method (231222 h07:00)

- 231222piu\_b build packages for:
  - ✓ application deployment package ==> `dist/0.1.13-xl2roefact-0.1-win64.msi`
  - ✓ cleaned, tested, created packages (saved to ==> `.../880-RLSE/880.90-RLSE Source Code Archives`)
  - ✓ updated `pyproject.toml`
- 231222piu\_a refactor `rdinv.__get_excel_data_at_label(...)` to search in label (named "IN-LABEL" method)
- 231220piu\_b made a first PDM build: [231220 h09:55] ==> test PASS (both created files in `dist/` was "git-ignored")
- 231220piu\_b refactored `rdinv(...)` section "section for search of `invoice_items_area ...`" to use `__get_excel_data_at_label(...)` function`
- 231220piu\_a refactored `rdinv.__get_excel_data_at_label(...)` for returned "label\_position" key`
- 231219piu\_a update `rdinv.__get_excel_data_at_label(...)` to return found label value in dictionary as key "label\_value"
- 231218piu\_c PDM environment manager, updated `pyproject.toml` structures ref package building, still preps to create env, generate lock file...
- 231218piu\_b CLI application, fixed bug of print settings when deployed from a package (command: `xl2roefact.py settings`)
- 231218piu\_a installed PDM environment manager, updated `pyproject.toml` structures, next to create env, generate lock file...

## 0.1.15 updated solution portal <http://invoicetoroefact.renware.eu/> (231222 h05:00)

- 231222piu\_a updated CNAME to `invoicetoroefact.renware.eu`

## 0.1.14.dev invoice issue date (231217 h07:00)

- 231217piu\_b build packages for:
  - ✓ application deployment package ==> `dist/0.1.13-xl2roefact-0.1-win64.msi`
  - ✓ cleaned, tested, created packages (saved to ==> `.../880-RLSE/880.90-RLSE Source Code Archives`)
  - ✓ updated `pyproject.toml`
- 231217piu\_a invoice header, issue date (&& ATTN pendulum raise error, see `rdinv.py` line #17, ==> MAYBE JUST TRY `Arrow` or standard `datetime`)
- 231216piu\_a review, improve & clean code for: `xl_invoices/config_settings.py`, `xl_invoices/rdinv.py`
- 231215piu\_b FIXED configs loaded from `config_settings`: `rdinv` module load (init) all constants as global variables (because they are subject to change / "improve" values as reading Excel file, for example `DEFAULT_CURRENCY`)



- 231215piu\_a changed dir name `xl_invoice_modules/` to `xl_invoices` or classic `xl2roefact` as this will be the package name. This is a Python official RECOMMENDATION not a constraint
- 231214piu\_a made xl2roefact Python standard package (moved `xl2roefact` modules to a dedicated directory (`xl_invoice_modules/`) with intention to publish package)

## Archived CHANGELOGs

- [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](#)

## Release Notes #TODO this file should be created

- wip... `not_yet_created...` 0.1

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Last update: January 31, 2024