EL Assistant

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Motivation

OpenRIMS provides the possibility to produce printable documents using pre-defined templates and data collected from the application and workflow activities.

To create a printable document, OpenRIMS injects data from the application and workflow into a template, instead EL Expressions[1]. The EL expressions determine which data should be injected.

The EL expression creation and testing are complex and time-consuming. To simplify this the EL Assistant has been introduced. Starting from an Application Configuration the EL Assistant allows the creation and testing of EL expression that injects into a printable document data have been collected by the Application Forms and Certification Workflow forms.

The EL Expression

An EL expression defines where to get data and how to represent it in a printable document:

${Data Source@Data Representation}

Where:

- **${** and **}** are delimiters to distinct an EL Expression and plain text in a template
- Data Source defines where to find the data to inject
- Data Representation manages the data injection.

For example, an application contains the address of the applicant in the field "address" on the first page of the vaccine registration application. The page and the field define the Data Source. The address may be represented as:

- A sequency of administrative units, e.g., Calcasieu Parish, Louisiana, USA
- Any administrative unit, e.g. Louisiana
- GIS Coordinates, e.g. 30.216198856576895, -93.35905854846415
- NRA office, that is server this address, e.g., Deep South Federal Office

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[1] For example, The author is ${/prefLabel@literal}.

el.assistant

The EL Assistant

For current, the EL Assistant provides possibility of creation and testing any kind of EL expression to use in the Certification workflows printable documents. It covers about 90 percents of whole needs. Furthermore, the renewal, modification, inspection and de-registration workflows will be covered.
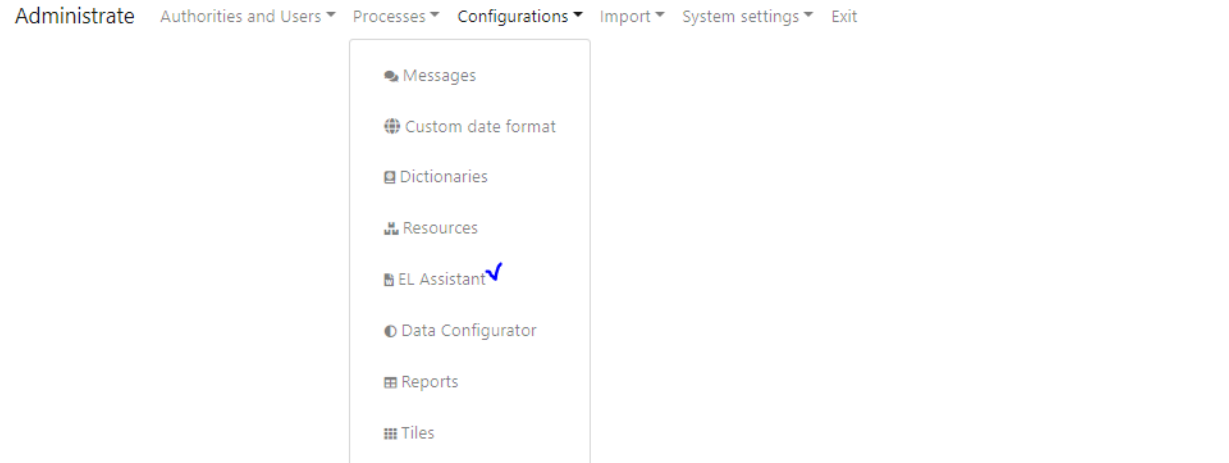

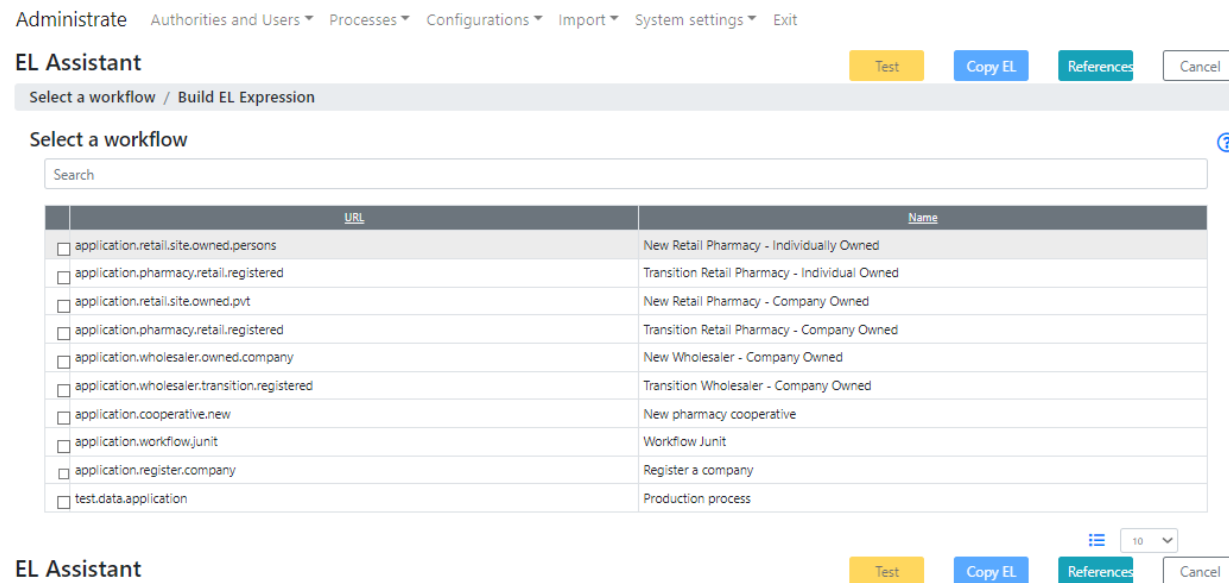*Figure 1 The EL Assistant is available for a Supervisor User*

Figure 2 The EL Assistance Home Page

The Roadmap

1. Select a workflow for which EL expression should be defined
2. Select a root data source:
    2.1. / - application data, all pages
    2.2. this – any on-screen data form
    2.3. process - data page in an activity of the workflow
3. Clarify the data source down a data field, if need
4. Select a data representation from the list provided, finalize the EL expression
5. Test the EL expression using random workflow application. The test result will be in the docx file uploaded
6. Copy the EL expression to the Clipboard, and, then paste it into the template