

# URL Assistant. How to make your data classification using the existing experience.

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## Motivation

When a business applies to NRA for a certificate, the application should be classified to some regulatory area. Examples are “retail”, “wholesale”, “import”, “marketing”, etc.

The classifier may be complex. For example, the European Medicine Agency demands separate business application templates for medicinal products related to

- Accelerated assessment
- Advanced therapies: marketing authorization
- Biosimilar medicines: marketing authorization
- Conditional marketing authorizations
- Generic and hybrid applications
- Orphan designation: marketing authorization
- Pediatrics medicines: Marketing authorization

Moreover, a business can apply for registration or post-registration

Unfortunately, currently there are no internationally recognized regulatory classifiers standards, like HL7 and many others. Despite this, it will be highly appreciated to use the classification recognized internally.

The classification provides at least such advantages:

- Interoperability with other information systems
- Uniform reporting
- Sustainability

OpenRIMS provides a URL Assistance feature that allows growing the classification system using previous experience.

## The URL notation of classifiers

A classifier looks like

**retail.pharmacy.individual.registration**

- **retail** - regulatory area – any retail business
- **pharmacy** – the form of retail business is a stationary point
- **individual** – form of property
- **registration** – apply for registration

In OpenRIMS this notation is called URL<sup>1</sup>.

This approach is uniform for the classification of OpenRIMS features:

- Workflow definition
- Pages for an application form
- Electronic forms to collect additional information
- Components of electronic forms:
  - Dictionaries
  - Persons
  - Links
  - etc.





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<sup>1</sup> because it similar to Universal Resource Locator in Internet.

## Usage of the URL Assistance

### Where to find?

Forms that require input of classifiers in URL notation are available only for a supervisor user. For example:

<b>URL</b> retail.site.owned.persons	
<b>Application URL</b> application.retail.site.owned.persons	
<b>Data Configuration URL</b> retail.site.owned.persons	
<b>Checklist Dictionary URL</b> dictionary.application.pharmacy.new.init	

*Figure 1 Registration application definition*

To use the URL Assistance, press the [?] icon. The use cases are:

1. Define a new classifier using previous experience
2. Select an existing classifier
3. Define a completely new classifier

Examples are below.

## Define a new classifier using previous experience

Suppose, it is necessary to define a data configuration that allows a legal entity to apply for retail internet pharmacy business.

Select domain and sub-domain

domain

retail

domain
<input checked="" type="checkbox"/> retail

1

subdomain

Search

subdomain
<input checked="" type="checkbox"/> retail.pharmacy
<input type="checkbox"/> retail.site

2

urls

Search

url	Name
<input type="checkbox"/> retail.pharmacy.classifiers	Classifiers that suit retail pharmacy
<input checked="" type="checkbox"/> retail.pharmacy.individual.registration	

3

Fill out new URL and click OK

retail.internet.legality.registration 4

Ok Preview Cancel

Figure 2 How to use the previous experience to define a new URL for the application electronic form

1. The regulatory area “retail” is already defined and suits us
2. The previously defined retail.pharmacy classifier suits us
3. An existing URL does not suit us, however retail.pharmacy.individual.registration provides a good experience for a new classifier
4. Select it and edit it to fulfill the current need

Select an existing classifier

Suppose that it is necessary to place in a data configuration the pharmacy types dictionary. This dictionary is supposed to exist.

url

Select domain and sub-domain

domain

pharmacy1

domain
<input checked="" type="checkbox"/> dictionary.pharmacy

subdomain

Search

subdomain
<input type="checkbox"/> dictionary.pharmacy.employee
<input type="checkbox"/> dictionary.pharmacy.owner
<input type="checkbox"/> dictionary.pharmacy.registered
<input type="checkbox"/> dictionary.pharmacy.registration
<input type="checkbox"/> dictionary.pharmacy.revoke
<input type="checkbox"/> dictionary.pharmacy.service
<input type="checkbox"/> dictionary.pharmacy.site
<input checked="" type="checkbox"/> dictionary.pharmacy.type2

urls

Search

url	Name
<input checked="" type="checkbox"/> dictionary.pharmacy.type3	Pharmacy type

Fill out new URL and click OK

dictionary.pharmacy.type4

Ok

Preview5

Cancel

Pharmacy type6

Name	Additional Information
<input type="checkbox"/> 1) KA	Category "KA" consists of narcotic and poisonous drugs and category. The drugs under this category shall be sold only on the prescription of a doctor and these drugs shall be sold by a pharmacist or professional himself or only in the presence of any one out of either a pharmacist or a professional.
<input type="checkbox"/> 2) KHA	Category "KHA" consists Antibiotics, Hormones, etc. The drugs under this

Figure 3 Select and preview an existing classifier

1. URL for any dictionary should start from the word “dictionary”.
2. The “dictionary.pharmacy” suits us.
3. The “dictionary.pharmacy.type” may suit us.
4. There is only one dictionary that is suited to this classifier
5. Run a Preview to ensure it.
6. Preview it to ensure that the existing dictionary suits the task

system.url.assistant.help

### Enter a completely new classifier directly

Use this when the experience for a particular classifier is absent. It is possible for an external HTTP link, completely new data configuration, dictionary, etc.

Suppose, it is necessary to input an external link <https://google.com> for the headers component

#### Select domain and sub-domain

domain

1

https

domain

10

#### Fill out new URL and click OK

2

https://google.com

Ok

Preview

Cancel

Figure 4 There is a new experience

1. Required experience is absent
2. Enter new classifier

## Annex 1 How does OpenRIMS collect the experience?

The OpenRIMS collects experience in the database for:

- URLs defined for dictionaries
- URLs defined for data configurations
- URLs defined for application configurations
- URLs defined for resources

and union of all above.

The URL Assistant selects the right collected experience for a particular field. For example:

- General URL input field in the dictionary item – all experiences
- For dictionary definition – only dictionaries
- For application URL – only applications
- etc.

The distribution database contains only experiences related to system configurations. After the initial application will be uploaded, the experience from them will be collected. This experience is a good starting point to grow own's one.