

OpenRIMS. URL assistance service

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Contents

Motivation.....	2
URL Assistant screen	3
Use cases.....	4
A new unique URL will be needed	4
An existing URL should be selected	6
A URL should be entered manually.....	8
How do start?.....	9
Troubleshooting	10

Motivation

The OpenRIMS allows a Supervisor User creation and modification of data input forms and workflows. The Supervisor User is presumed as a subject area expert and a qualified user of software.

The forms and workflows should be identified. The identifiers representation is English language words separated by dots. For example, **marketing.auth** is the identifier for the marketing authorization application form. Identifiers are important, because of their usage for data access, reporting, and data exchange.

Such representation of identifiers is known for classification systems and IT experts as Universal Resource Locators or URLs. In the OpenRIMS this term is in use too.

The OpenRIMS URL Assistance features a Supervisor User quick and easy way of assigning unique, concise, and human-understandable URLs.

The main idea under URL Assistance is the usage of the provided and own experience for the assignment of new URLs. Additionally, the URL Assistance provides strong validation of the URL assigned.

This manual intends to OpenRIMS Supervisors

URL Assistant screen

From the first release in 2024, the URL fields can be entered/changed only using URL Assistance

URL



Figure 1 The URL input field. Press the "Edit" icon to enter/change the URL

A URL Assistant screen runs in a separate browser tab. The data in the screen suits the current URL purpose:

- Dictionary
- Page in an electronic form
- File Resource on the page
- Workflow
- All of above

The URL Assistant provides validation of URL:

- A URL should be dotting separated words containing Latin chars, numbers, and underlining:
 - marketing.auth – right
 - medicine marketing.auth – wrong
 - medicine_marketing.auth – right
- New created URL can't be equal to any already existing

Use cases

A new unique URL will be needed

This case suits when we need to create a new dictionary, page, workflow, or file resource. This case does not suit for

- Selection of the existing URLs
- URLs that should be entered manually

Suppose, we need to create a new detailed page for the Retail Pharmacy Application. This page should contain a list of owners.

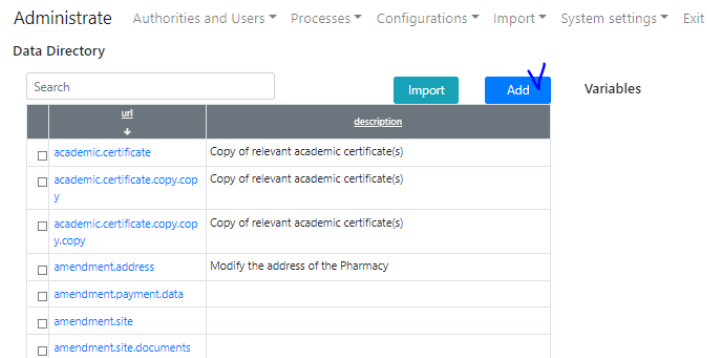


Figure 2 Add new page

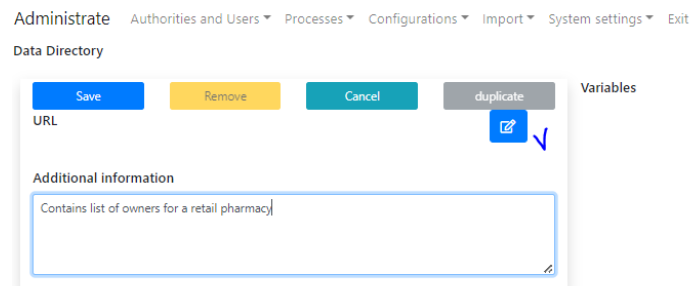


Figure 3 Ask for the assistance

.. to be continued on the next page ...

Create page URL

URL

pharmacy.retail.owners

6

Preview

7

Ok

Help

Cancel

Assist

1

phar

domain

☐ pharmacist

☒ pharmacy

2

Next

3

reta

subdomain

☒ pharmacy.retail

4

existing

5

URL	Name
<input type="checkbox"/> pharmacy.retail.registered	Transition of pharmacy fra DAMS - created as part of the renewal of pharmacy
<input type="checkbox"/> pharmacy.retail.site.solution	Retail individually owned finalisation (last form)
<input type="checkbox"/> pharmacy.retail.site.solution.pvt	Retail Company owned workflow finalisation (last page)

Figure 4 The Assistant

1. Search for URLs that start with “pharmacy”
2. Select it
3. In the search result search for URLs that contain “retail”
4. Select it
5. Inspect existing URLs starting with “pharmacy.retail”. There is no page for owners
6. Add the word “owners” to the resulting URL
7. The result is satisfied

Data Directory

Save

Remove

Cancel

duplicate

URL

pharmacy.retail.owners

Additional information

Contains list of owners for a retail pharmacy

Figure 5 The URL for the new page has been created using the Assistance

system.url.assistant.help

An existing URL should be selected

The URL Assistant allows select URLs for existing dictionaries, pages, resources, and workflow. For example, to add the existing page “pharmacy.retail.owners” to the application form:

Variables

The screenshot shows a web form titled "Variables" with a "Variables" label at the top left. At the top are three buttons: "Save" (blue), "Remove" (yellow), and "Cancel" (teal). Below these are two dropdown menus: "Publicity Available" and "Hide from an Applicant", both set to "NA". The "varName" field contains "owners" and has a red lock icon. The "varNameExt" field is empty and has a green lock icon. Below is a text area for "Additional information" containing "Page to input/display owners". A "screenposition" section has three input fields for "row", "col", and "ord", all set to "0". The "Class" dropdown is set to "things" with a blue checkmark. Below are four input fields: "Minimal Offset" (0), "Maximal Offset" (0), "required" (NA), and "mult" (NA). The "Auxiliary Data" section has a "URL" field with a blue checkmark, a blue icon, and the text "dictUrl", followed by another blue icon.

Figure 6 Ask the assistance to select a URL of the owner's page

.. to be continued on the next page ...

Select any URL

URL

pharmacy.retail.owners

6 Preview

Owners

7

Add

Name

10

8 Ok Help Cancel

Assist

1 pharmacy

2

Next

3 ret

4

existing

URL	Name
<input checked="" type="checkbox"/> pharmacy.retail.owners 5	For Assistance manual
<input type="checkbox"/> pharmacy.retail.registered	Transition of pharmacy fra DAMS - created as part of the renewal of pharmacy
<input type="checkbox"/> pharmacy.retail.site.solution	Retail Individually owned finalisation (last form)
<input type="checkbox"/> pharmacy.retail.site.solution.pvt	Retail Company owned workflow finalisation (last page)

1. Search for URLs that start with “pharmacy”
2. Select it
3. In the search result search for URLs that contain “retail”
4. Select it
5. Select “owners” page
6. Preview it
7. It is the right page
8. The result is satisfied

system.url.assistant.help

A URL should be entered manually

Despite it is strongly recommended to use existing URLs for the creation of new ones, sometimes it is impossible. For example:

- The URL exists, however, doesn't belong to dictionaries, pages, resources, and workflow
- It is an Internet URL, like <https://headless.horseman.org>
- No one of the dictionaries, pages, resources, and workflow URLs suits the task¹

Suppose we need to place a link to the Internet site on an application form page. This functionality is implemented by a "heading" component.

Figure 7 Asking for the assistance

Select any URL

Figure 8 The Assistant does not provide Internet URLs. Thus, enter it manually

¹ Check this carefully to avoid URL heap

How do start?

The URL Assistance screen allows a new URL input as well as the selection of the existing URL. The title of the screen informs what should be done. The titles should be defined in the “Administrative-Configurations-Messages” feature for all languages used. Recommended values for the US English language are below

Key	en_US
URL_ANY	Select any URL
URL_APPLICATION_ALL	Select application URL
URL_APPLICATION_NEW	Create application URL
URL_DATA_ANY	Select page URL
URL_DATA_NEW	Create page URL
URL_DICTIONARY_ALL	Select dictionary URL
URL_DICTIONARY_NEW	Create dictionary URL
URL_NEW	Create any URL
URL_RESOURCE_ALL	Select resource URL
URL_RESOURCE_NEW	Create resource URL

Table 1 Proposed titles in us_EN

After the initial installation, importing simplified key workflows from the community server will be a good idea. Along with the workflows will be imported pages, dictionaries, and resources. Thus, an initial set of URLs will be available.

Troubleshooting

Sometimes, after the OK button is pressed, the URL Assistant Screen will show an error message below the URL field. It means that the URL you selected or entered is not valid, thus, can't be used.

The reasons for this may be the following:

Message ²	Reason	Corrective action
Malformed URL	URL should be words divided by dots. Inside words allowed _ and numbers. my.black.rabbit – good my/black.rabbit - bad	Make the URL string in words divided by dots.
URL already exists	For data forms, resources, etc. the URL should be unique	Input a unique new URL
Data URL not found	URLs that are used in the references, like electronic form configuration in the resource definition should exist	Create the electronic form configuration
It is not a data URL	This URL does not exist in the electronic form configuration	Check or re-type the URL
Bad dictionary URL	A dictionary URL should start with the dictionary.	The first word in the URL should be "dictionary".
A dictionary does not exist	The dictionary should be defined before	Define a dictionary
Forbidden domain	Some URLs are used by OpenRIMS internally. For now, these URL starts with "dictionary", "configuration.resources", "report.configuration", "activity.configuration", "log", "system"	Rename the URL

² The exact message depends on the language setup