

Create OSLC Query operation

In OSLC, each artifact in the lifecycle, e.g., Requirements, Change Requests, or Test Cases, is identified by a URI. Each artifact in the lifecycle is an HTTP resource. Standard HTTP methods (GET, PUT, POST, DELETE) are used to interact with each artifact. When you look up a URI, OSLC queries provide useful information using the standards (RDF*, SPARQL). Each OSLC resource has an RDF representation. RDF/XML is mandatory and other representations such as JSON or HTML are common. OSLC lifecycle artifacts are linked by relationships, e.g., elaborates or elaboratedBy, which are defined by URIs.

There are two types of OSLC queries you can construct to query an artifacts repository - simple or basic query and advanced query based on SQL or SPARQL. You can also find more information about OSLC queries on [the OSLC Specification website](#).

You can use the **OSLC Query Editor** dialog to create OSLC queries. The **OSLC Query Editor** has two tabs -


Basic Query

and

Query Editor

To create and run a basic OSLC query

1. Do one of the following

- From the MagicDraw main menu, click **Tools > DataHub > Create OSLC Query**
- On the **DataHub Explorer** toolbar, click the **Create OSLC Query**  icon.

The **OSLC Query Editor** dialog opens.

OSLC Query Editor

Basic Query Query Editor

Data source: Requirements Management

Query Label:

Project Area: JKE Banking (Requirements Management)

Identifier:

Title: ALM

Description:

Creator:

Created Date: From: To:

Last Modified Date: From: To:

Run

Matched items: 1 result(s).

Operation: Copy Data

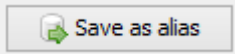
Type text to search

Query

ALM


New Query Save as alias

2. Enter the **Title**, **Description**, **Creator**, **Created Date** and **Last ModifiedDate** fields to do text-searching query. Click .

3. After the query results appear, click  to save the results as the alias.

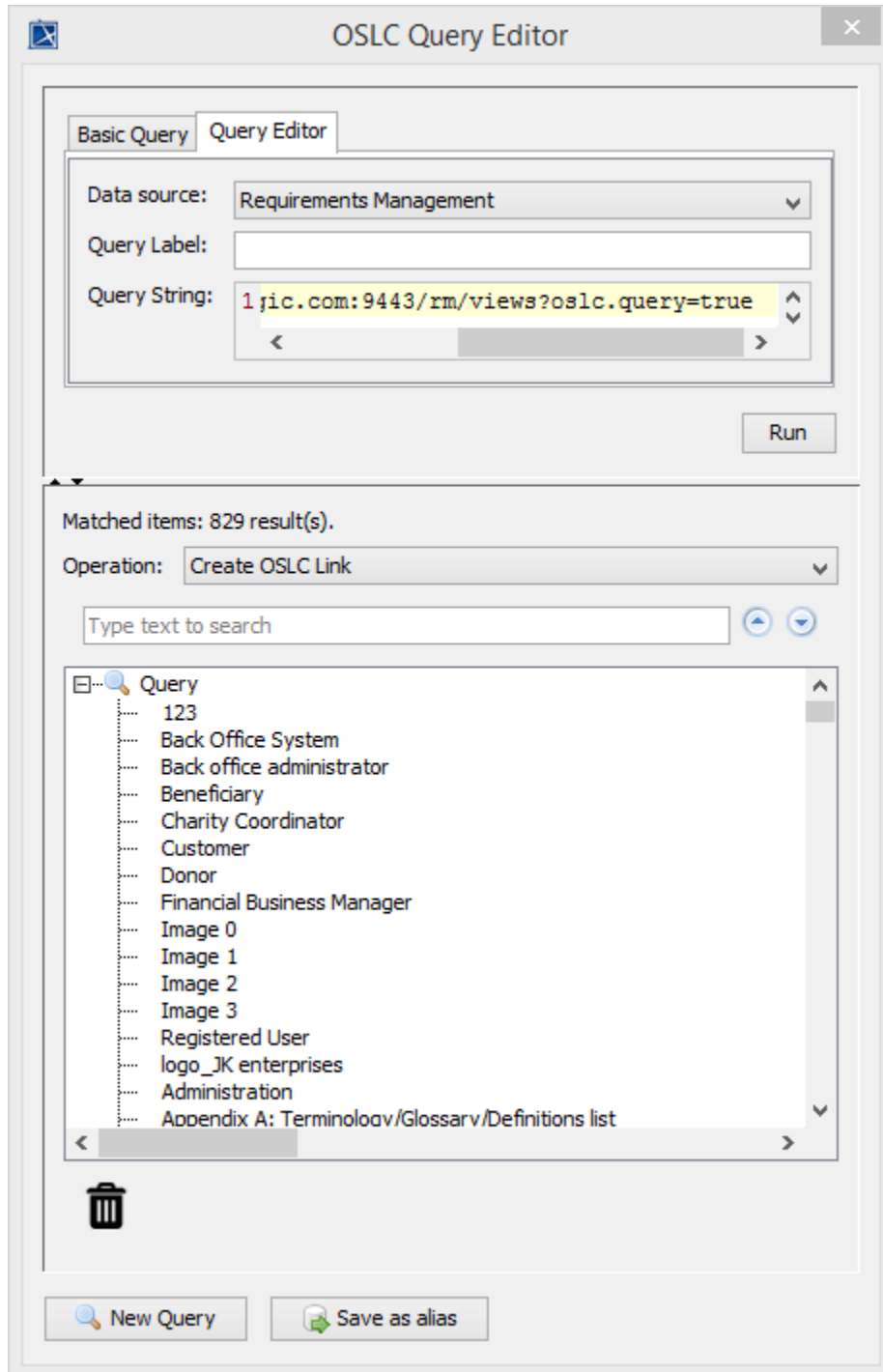
To create and run an advanced query

1. Do one of the following
 - From the MagicDraw main menu, click **Tools > DataHub > Create OSLC Query**

- On the **DataHub Explorer** toolbar, click the **Create OSLC Query**  icon.

The **OSLC Query Editor** dialog opens.

- Click the **Query Editor** tab.



OSLC Query Editor

Basic Query Query Editor

Data source: Requirements Management

Query Label:

Query String: `http://jic.com:9443/rm/views?oslc.query=true`

Run

Matched items: 829 result(s).

Operation: Create OSLC Link

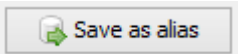
Type text to search

Query

- 123
- Back Office System
- Back office administrator
- Beneficiary
- Charity Coordinator
- Customer
- Donor
- Financial Business Manager
- Image 0
- Image 1
- Image 2
- Image 3
- Registered User
- logo_JK enterprises
- Administration
- Appendix A: Terminology/Glossary/Definitions list

New Query Save as alias

- In the **Query String** text box, type your query. You can find more examples of advanced queries and their syntax on [the OSLC Specification website](#). If the query returns any results, they will be displayed on the lower half of the **OSLC Query Editor** dialog.

- Click  to save the results as an alias.