



METHOD AUTHORIZING WITH DOORS NEXT - REPORTING GUIDELINES

Abstract

This document describes the set of reports available for your DOORS Next method authoring environment, how to import them into your environment, and the best practices for deploying those reports as widgets on your IBM® Engineering Lifecycle Management (ELM) application dashboard(s).

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Overview

Last Update: Tuesday, March 24, 2020

2020-03-24	Initial release
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This document describes the set of Jazz Reporting Service (JRS) reports developed to support Web-based Method Authoring, as described in the [Web-based Method Authoring with DOORS Next and MEC user guide](#). This document addresses:

- How to import the reports into an existing ELM environment
- The archive files provided and which reports they contain
- A description of the reports
- Troubleshooting information

Assumption & Limitations

The reports requires the use of the MEC project template delivered with ELM 7.0, or a [newer one](#). All of the reports were developed and tested in a JRS 7.0 environment. **Privileges:** You must have administrative privileges to import reports and refresh data sources.

Description of the reports

The MEC reports perform validity checks that aren't already covered by the link constraints in the DOORS Next MEC project template. There are two forms of these reports, the "MEC Reports for LQE scoped by a configuration", which applies when you use the data source "Lifecycle Query Engine scoped by a configuration" and the "MEC Reports for data warehouse" reports, which applies when you use the data source "data warehouse".

The following reports are provided.

Report	Description
Unassigned subtype attribute	This report lists elements with the following problems: <ol style="list-style-type: none">1. Guidance with unassigned guidance type2. Work product with unassigned work product type3. Category with unassigned category type
Invalid "refers" links	This report lists elements that have an invalid "refers" link, as described in the Web-based Method Authoring with DOORS Next and MEC User's Guide .
Invalid parent-child links	This report lists elements that have an invalid parent-child link, as described in the Web-based Method Authoring with DOORS Next and MEC User's Guide .

	In the “MEC reports for LQE scoped by a configuration” this report is replaced by two separate reports, one for Work Product parent elements and one for Category parent elements.
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Import the Reports

In this section, we describe how to successfully import the report archive files into your ELM environment. For expected issues, refer to

Appendix A: Troubleshooting. Note: You must have administrative privileges to import the reports.

Step 1. Determine and download the applicable report templates to import.

If you are using a DOORS Next project area that has [configuration management enabled](#), then you should [download the “MEC Reports for LQE scoped by a configuration”](#) reports, otherwise you should [download the “MEC Reports for data warehouse”](#) reports.

Step 2. Ensure the data source has all MEC types, subtypes, and link types.

These reports do not yet come with a “shapes” vocabulary, which in practical terms means you cannot import them into a data source that doesn’t have all the types, subtypes, and links referenced by the reports. You can resolve this by importing test data into a project area (or component if you intend to use DOORS Next configuration management).

- a. Download [MEC-tests.zip](#)
- b. Unzip it to get a reqIF file
- c. [Import the reqIF file](#)

Step 3 (Data warehouse only): Perform data collection jobs

If your data collection jobs run on a schedule, you can just wait for them to run, or you can [run them manually](#).

To run **ODS Data Collection** manually via the Data Collection application:

- a. Launch DCC in your browser: <https://<host>:<port>/dcc/web>
- b. In the **ODS Data Collection** section, click **Run**:



- c. Ensure all jobs complete successfully

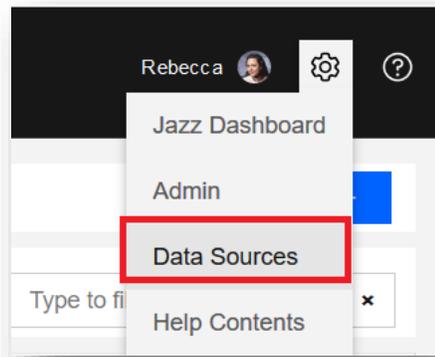
Step 4. Ensure the data source metamodel is up-to-date

The reports cannot be imported if the data source’s metamodel doesn’t have all the types, subtypes, and links referenced by the reports. In general, it’s a good idea to [refresh the metamodel](#) for your data source (either the data warehouse, or LQE scoped by a configuration, whichever applies).

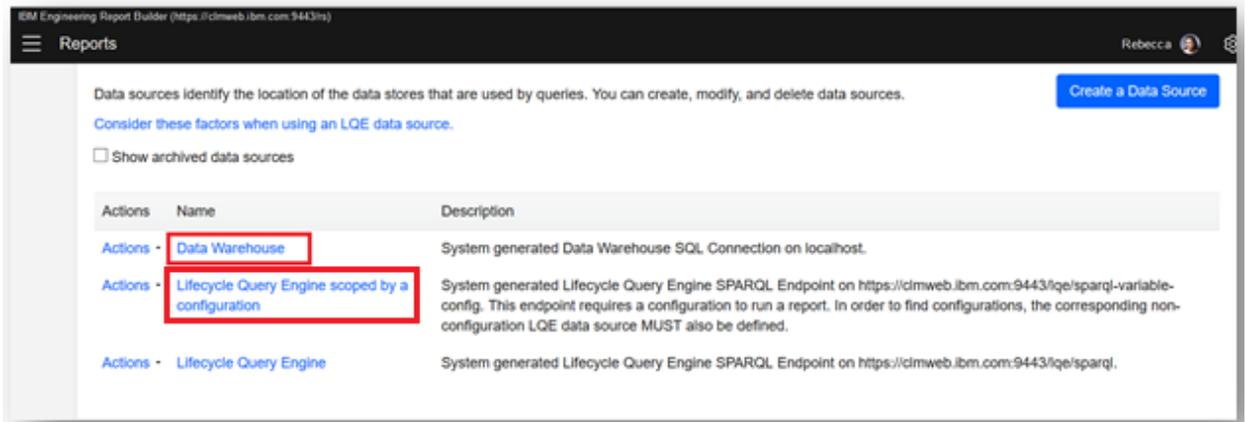
To Refresh a JRS Data Source:

- a. Launch JRS in your browser: <https://<host>:<port>/rs>

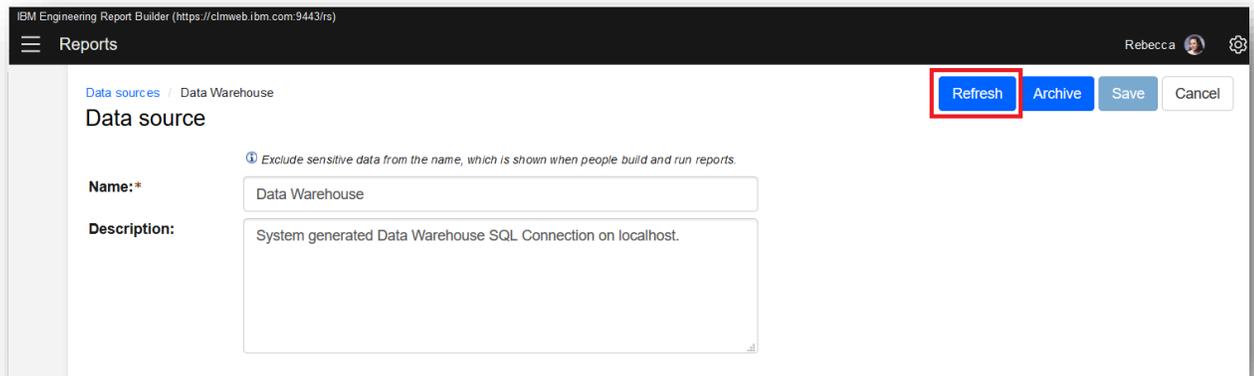
- b. Click the “gear” icon in the top right corner in Report Buildering, then select **Data Sources**:



- c. Select the appropriate data source to refresh (either “Data Warehouse” or “Lifecycle Query Engine scoped by a configuration”, whichever applies)



- d. Edit the data data source and click **Refresh**:



Step 5. Import the reports

[Import](#) the applicable reports into the corresponding data source.

In Report Builder, click the “gear” icon in the top right corner, then select **Admin** and import the archive file:

- a. In **Import ready-to-use reports**, select [Optional: Import additional reports such as those provided by IBM, business partners, or others](#).
- b. Browse to the location where you have downloaded the reporting archive files and select any one of them. Click OK.

Note that if there are any issues with specific reports, Report Builder will import those that it can and skip the ones with problems. Your results should look like these:

Set the “privacy and sharing” attribute of the imported reports to “public” so that they can be added to dashboards, and set the scope to the desired projects or components.

Step 6. Test the reports

[Run](#) each report against a project or component that has errors as described by the report. If you imported the provided test data, then each report contains validation errors. If a report contains no entries, then review the “Issues and troubleshooting” section below.

Step 7. Add widgets containing the reports to your project dashboard

[Add widgets](#) to your project dashboard, selecting the imported reports from the list of available widgets under the Report Builder application.

Appendix A: Troubleshooting

Report Builder will attempt to import all reports in the archive. If it cannot successfully do that, *the reports that can be imported will be* and you will see a list of the successfully imported reports as well as those that could not be imported due to errors.

If you encounter errors due to skipped reports from any of the imports, first ensure that you have followed all instructions above to prepare your environment before the import. *Note that you can always start over, so don't panic. Simply delete the reports that were imported and ensure your environment is set up properly.*

Invalid elements are not displayed in the report

Try making a change to one of the conditions in the report, save, and then change it back to what it was originally. Sometimes this will fix the report so that it works.

Duplicate entries

When using "LQE scoped by a configuration" as a data source, sometimes you can get duplicate entries of type "text" and type "requirement".

Try making a change to one of the conditions in the report, save, and then change it back to what it was originally. Sometimes this will fix the report so that the duplicates disappear.

You could also add conditions to filter out one of the duplicates (one will be of type "text" and one will be of type "requirement").