

Collibra – Cognos Integration

Overview

Lucid’s Collibra-Cognos integration ingests IBM Cognos metadata into Collibra.

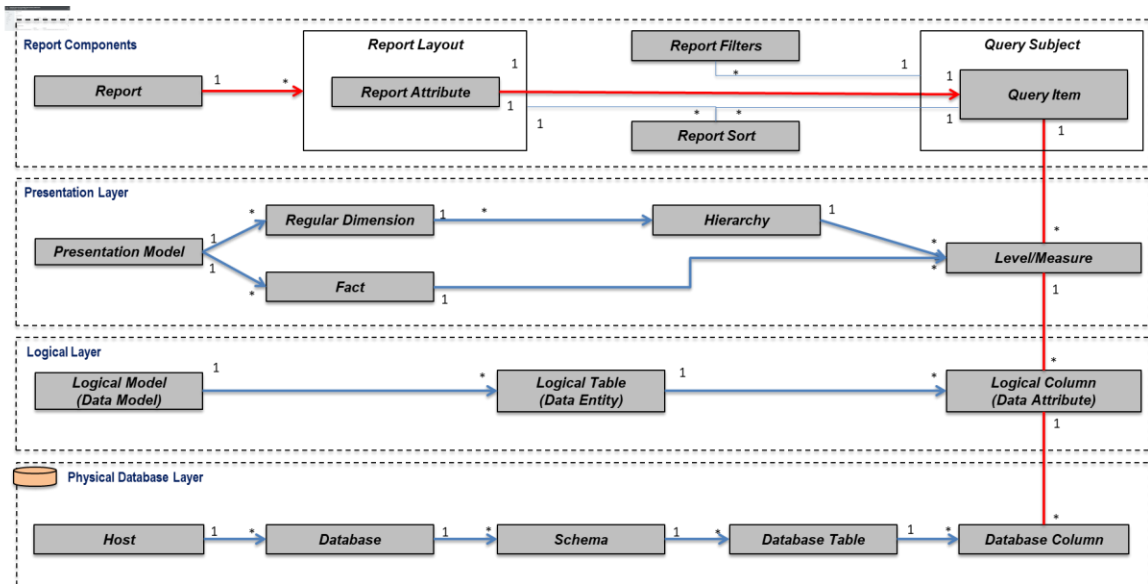
Some key features:

- Asset extraction can be filtered based on the name of the Cognos server, a specific content manager folder path and model name
- Target community in Collibra for loading the assets can be specified
- Source metadata is mapped to Collibra asset types as indicated in the diagram below
- Modification and Deletion of the source (Cognos) objects are automatically captured and can be used to trigger actions in Collibra such as asset status change, asset management workflows etc.
- Support for full load and incremental load of metadata. Incremental loads will load metadata changes since the last successful execution or from a specific date passed as a parameter
- Metadata loads can be scheduled or triggered on-demand

Cognos Version supported: versions 10.2.1, 10.2.2, 11.1.7*

* - only features listed as supported in ‘Supported Features’ section below

Assets and relations that will be loaded into DGC:



Note – The diagram is a representation of Dimensional Model. For Relational Model, the Presentation Layer is optional. Also each of the Presentation and Logical layers can have a nested structure. Physical Database layer is not loaded by the Cognos template. Lines in red will be shown as part of the Traceability view in DGC.

Key Use case(s)

- Traceability/Lineage – provide ability to trace the provenance of a report attribute to its source
- Report Certification
- Ability to do impact analysis of changes in the data sources on the downstream Cognos reports that consume data from these sources

Version

3.0

Supported Features

- Support for Data Modules as sources for Cognos reports
- The Cognos metadata adaptor extracts the metadata of the following Cognos assets:
 - Cognos Reports, Report Layouts, Report attributes, Report Filters and Sorts
 - Query Subjects and Query Items
 - Framework Manager model elements
 - PowerPlay Transformer cubes
 - Relation from the Cognos metadata to the physical data sources as captured from Cognos are loaded. The actual metadata of these data sources must be separately loaded using Collibra Catalog(ingested using Job server only) or Lucid's database integrations
 - Support for Cognos Folder, Folder Shortcuts, Package and Data source assets
- Support for Dynamic Cubes
 - Dimensions, Measures, Hierarchies and Levels, Measure Folders, Calculated Dimensions
 - Virtual Cubes with Calculated Members and Calculated measures
 - Data sources: Framework Manager model and Relational Databases
- Support for PowerPlay Transformer Cubes
 - Dimensions, Measures, Hierarchies and Levels, Measure Folders, Calculated Dimensions
 - Framework Manager model, Dimensionally Modeled Relational models, and Reports as a data source
 - Cube with IQD as source – SQL used in IQD would be attached to the Cube asset in Collibra
 - Support for shortcuts and alias shortcuts of Regular Dimensions and Measure Dimensions
- Support SAP HANA as a source for Framework models in addition to other relational sources
- SQL Queries used in the Report Query are populated as an attachment to the respective Query Subject asset
- Support for parsing connection to relational sources – JDBC, ODBC, Tnsnames.ora(for Oracle) and native driver for Oracle supported by Cognos
- A flag - "Is Partially Loaded", added to the assets to denote if the ingested assets' mandatory characteristics are available or not
- Email notification for Execution Summary including status and asset counts
- REST APIs secured with Basic authentication
- All configurable properties for the integration managed in DGC using custom configuration assets

Unsupported Features:

- The following data sources for Cognos Reports are not supported:
 - Relational sources as direct source for reports

- The following metadata are not extracted:
 - Labels used as tooltip for Report attributes
 - Report footer calculations like page totals
 - Filters in the Framework Manager Model
- Dashboard and Stories
- There will be no lineage for the Filters/Sorts. They would just be linked to relevant reports and the filter/sort expression captured but not parsed
- SQL statements used directly in the reports/model columns will not be parsed
- Report metadata for reports built on Query studio and workspaces are not supported
- Calculations/Formulas of query items are captured as expressions for respective query items. However, there is an option to create calculated items directly at Model/Namespaces and reuse them. These will be loaded as separate assets, but their expressions will not be parsed
- Parent-child dimensions in Dynamic cubes
- Aggregate cubes in Dynamic cubes
- Virtual cubes using cubes from the Content Store
- Transformer Cubes with file sources, TM1 cubes, OLAP Packages as data sources
- If the target publishing folder of the Cube is altered in MDL, only the latest folder metadata would be available and hence the lineage to the objects in the old folder path may not be extracted
- If the Base package or report is moved/deleted from the server, the complete lineage for the report may not be available
- Physical layer metadata ingested using EDGE server not supported currently

Editions and feature comparison

The integration is offered on an annual subscription basis as 2 editions – Standard and Advanced. A free trial subscription is also available.

Feature	Trial	Standard	Advanced
Licensing	Free	Annual Subscription	Annual Subscription
Validity Period	30 days	1-year	1-year
Number of deployments allowed	1 Non-Prod	1 Prod + 1 Non-Prod	1 Prod + 1 Non-Prod
Support for Custom Assets	No	No	No
Support for all functional features listed in Supported Features	Yes	Yes, except support for Transformer and Dynamic Cubes and Write-back	Yes, except support for Write-back
Limit on number of assets loaded	Yes	No	No
Documentation (1) Installation & Configuration Guide (2) Support Guide	Yes	Yes	Yes
Training included:	No	Yes	Yes

2 hours of virtual sessions for install/config (or) troubleshooting			
Helpdesk/Support	No	Email-based support (Request logged through Support Portal - https://lucidtechsol.freshdesk.com/support/login)	Email-based support (Request logged through Support Portal - https://lucidtechsol.freshdesk.com/support/login)
Support response SLA	NA	1 business day	1 business day
Custom Extensions	NA	Not supported*	Not supported*
Pricing	NA	Contact Lucid	Contact Lucid

* No custom extension requests are supported as part of the subscriptions, however, can be separately considered for a one-time fee, with on-going support attached to the subscription.

Note: If you are looking for writeback of metadata from Collibra to Cognos, contact us for more information

Pre-requisites / Dependencies

Prerequisites for this integration with the product versions currently supported:

- Lucid Easy Connections v2 Metadata Integration Platform for Collibra
- Collibra Data Governance Centre v5.7.x , Collibra Cloud 2021.x

Note: The integration has been tested and certified by Lucid to work against specific versions of Collibra and the Metadata source system. As newer versions of Collibra and the metadata source system are released, Lucid will test and certify the integration as part of support. Please note if Collibra or the metadata source system fundamentally change their approach on how metadata is exposed, extracted or ingested, enhancing the integration to support these newer approaches might not always be possible, in which case the current subscription may not automatically support the new version. However, Lucid will make all efforts to provide an upgrade option to support the new versions at the earliest.

Demo video(s)

- Visit <https://youtu.be/iNw6YsU7YAo>

To Subscribe / know more / request a demo

- Email us at: collibrainfo@lucidtechsol.com