Anjana Data – v3.2

Release date: 2020/07/15

Extended features for Business Glossary

- Possibility to create new types of entities with their own attributes based on dynamic forms. The administrator may create as much types of entities as wanted (i.e. metrics, reports, business rules, data quality rules, KPIs, …).

- New types of attributes included within the Business Glossary metamodel (i.e. user or complex formats).

- Every object may be related to any other object not only within the Business Glossary but also to any object within the Data Catalog.

- Extended attributes for relations, being also able to create different types of relations to classify them from a semantic point of view.

- When creating the objects and defining the associated template, attributes may be set as mandatory or optional.

- Enhanced permissions and privileges management within the Business Glossary based on the defined governance model.

UX & UI improvements

- Improved navigation between objects in the whole UI.

- Business Glossary:
    - Enhanced view for every object where important and most recent information related to the object is being displayed in its main view.
    - New section included within the view of the objects where all users to the object are displayed.
    - New assistant wizard for the creation of objects:
        - The wizard will guide the user in order to make it easier for her/him to create new objects no matter the type (any type of entity and any type of relation).
        - You may choose between manual creation or importation from an Excel spreadsheet.

- New feature for the importation of external information using dynamic Excel spreadsheet based on the names of the headers not requiring a fixed structure.

- New filtering capabilities added in some views where there might be too much information to be consumed (i.e. workflows, audit, notifications, …).

- Possibility to mark multiple notifications as read at the same time.

AI-powered features for user assistance

- A new module has been integrated within the architecture of the solution in order to leverage AI-powered features for user assistance based on metadata information, data profiling techniques and users behavior.

- The corresponding algorithms run on the background and will rise recommendations to the users in a non-invasive way for different use cases.

- More and more algorithms for specific use cases will be released within the future upgrades, being the first ones included in this release:

    ○ Recommendation of business terms which may be of some interest for the user.

    ○ Recommendation of the generation of new relations between objects within the Business Glossary.

Enhanced audit features

- More detailed information is being registered in the internal audit logs within Minerva module.

- Possibility to select which actions need to be audited and which not in order not to lighten the amount of information gathered from the internal audit (i.e. search or view actions).

- Every time that a value of any attribute changed, a snapshot of the object will be saved in order to allow the regeneration of an object with the corresponding values in a specific time during its history.

New capabilities for workflows configuration

- The configuration capabilities of the validation workflows engine using Activiti BPM (now named as Hermes within Anjana Data architecture) continuing to be improved:

    ○ Possibility to define the launch of parallel validation steps within a workflow configuration.

    ○ Dynamic generation of validation steps depending on the type of the object, the action performed and the user that has performed this action.

Back-end & Architecture improvements

- Administrative API 2.0: Extended features and improved capabilities.

- New independent module to improve the performance when indexing and searching information using SolR (now named as Minerva).

- Native deployment fully compatible with Openshift, Azure AKS and AWS EKS.

- Use of a new service compatible with S3 for the storage of files attached to objects (i.e. data contracts).

- The module responsible for implementing active governance over data platforms (a.k.a Tot) has been redesigned to improve its scalability resulting on a better performance and easing the addition of new drivers to integrate Anjana Data with more and more technologies.

- Improved OAuth based authenticator, now named as Zeus, supporting more identity access technologies and techniques.

New native integrations

- Thanks to the new plugins added to *Tot* and *Heimdal*, new native integrations have been developed to perform different kinds of interactions between Anjana Data and the technologies used within several data platforms.

- Metadata harvesting and importation, sample data querying, active governance, and dynamic data lineage capture (when applies) are now possible over the following technologies:
  - All RDBMS supporting Generic JDBC
  - SAML 2.0 & OAuth based Identity Access Management Systems
  - Microsoft Azure:
    - Azure Active Directory
    - Azure SQL Server
    - Azure Storage Accounts (blob storage, files, tables and queues)
    - Azure DataLake Storage Gen2
    - Azure SQL Database
    - Azure Databricks (Beta version)
    - All RDBMS supporting Generic JDBC (i.e. PostgreSQL, SQLServer, MySQL)
  - AWS:
    - AWS IAM
    - AWS S3
    - AWS Glue
    - All RDBMS supporting Generic JDBC (i.e. PostgreSQL, SQLServer, MariaDB, MySQL, OracleDB, AuroraDB)
  - Denodo (Beta version)
  - QlikSense (Beta version)
  - Snowflake (Beta version)
  - Confluent & Apache Kafka (Beta version)