Data Sheet

ANJANA DATA V4.1

Release Date: 2021/02/26

Anjana Data - v4.1

Contents

CORE Metamodel:

- The entity Dataset Field has been added to the Data Catalog Portal in order to be shown along with the rest of the entities within the Data Catalog.

- New types of attributes have been added to the dynamic forms allowing the administrators and users to include them within the metadata templates for any entity (i.e. URL, user, Organizational Unit, ...).

- New rules may be configured for different types of attributes within the metadata templates for any entity (i.e. flag propagation for attributes of type boolean from children to parents).

- New validation rules may be configured for different types of attributes within the metadata templates for any entity (i.e. minimum and maximum values for attributes of type integer).

UX & UI:

- Enhanced views for every object (all types of entities and relations) within the metamodel showing more information in a more visual and easier way.

- New independent view for the entity Dataset Field.

- The administrator may configure which metadata attributes are shown for the corresponding Dataset Fields in the Structure tab within the Dataset view.

- Improved user experience when editing objects reducing the number of clicks needed from the user to perform changes.

- Better performance for both Portals (Business Glossary and Data Catalog) when searching or applying filters, enhancing the user experience when looking for data assets.Improvements in the UX&UI in the Creation Wizard including specific information for some types of objects (any type of Relation, Process, Process Instance).

- New "Object Search Bar" component is always available at the top of the UI in every view of the application.

- Extended usage of the "Object Search Bar" component through the whole application showing more information about the objects when using this component (i.e. when including Datasets in a DSA).

Lineage & Impacts visualization:

Evolution of the capabilities of the integrated 3-D graphic library for Data Lineage:

- Better performance and enhanced user experience when working with the graphs-based visualization of the data lineage between objects.

- Relevant objects are now highlighted and better positioned within the graph easing its location.Improvements performed when filtering objects in the graph in order to ease the information consumption.

- The detail for every Relation is now shown over the graph when properly selected.Enhanced view of the icons within the whole graph easing its understanding.

.

Audit actions:

- A full revision of all automatically generated audit messages related to the auditable actions has been performed solving some issues related to information misalignment.

- New auditable actions has been added to the objects related (i.e. "Adherence request to a DSA" will also appear in any Dataset included in the DSA) easing the audit information consumption for the data stakeholders.

Admin & Configuration Portal:

Enhanced capabilities for the "Workflows Design Tool" with the possibility to include more actions in an easier and faster way when configuring validation workflows while maintaining compliance with BPMN2.0 standard.

Back-end & Architecture improvements:

- Some technical improvements have been developed resulting in a better performance of the whole solution in the following back-end modules:

  - Minerva: Refactor of some classes used in the internal SolR indexer achieving better performance when searching for objects within the Portals.

  - Hermes: Implementation of new classes from Activiti open-source BPM following the standard BPMN2.0.

  - Zeus: Implementation of a new internal OAuth server following the standard to ease the integration with third party solutions for Identity Management using SSO.

  - Tot: Refactor of some classes used for the integration with data platforms (metadata extraction, data accesses management, data structures management, audit logs extraction, data sampling, ...) easing the installation and configuration of the module and the corresponding connectors around it.

  - Heimdal: Refactor of some classes used in the internal Spark cluster to extract, translate and aggregate audit logs from data platforms achieving a much better performance when dealing with high-volume dynamic lineage from Big Data technologies.

  - Heimdal Agents: Enhanced capabilities to capture low-level fine-grain extended technical data traceability from different technologies.

- New enhanced compatibility with external storage under S3 protocol.

.