Metadata Hub

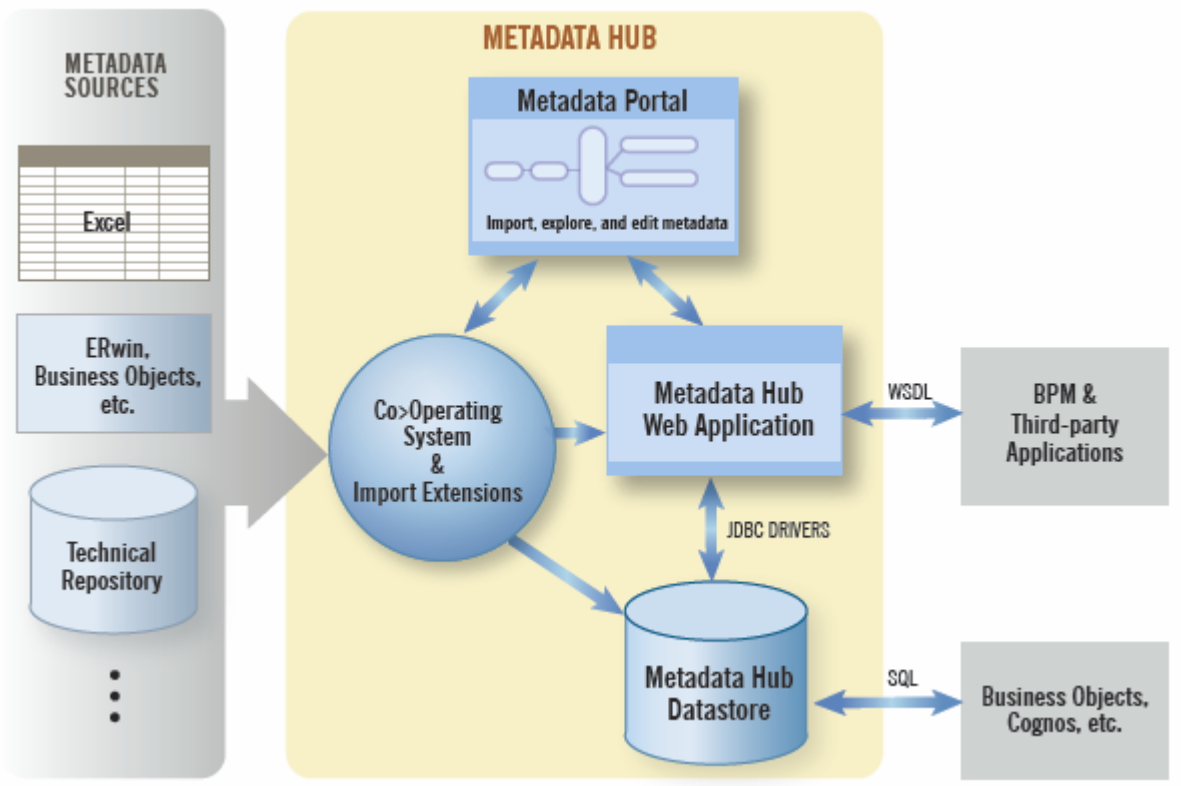
Part of the Enterprise Meta>Environment, the Metadata Hub helps your organization leverage the power of its metadata by improving the development process, facilitating analysis, enabling data and metadata governance, and supporting better understanding of operational systems.

The Metadata Hub includes the *Metadata Portal* graphical user interface that can be hosted in any standard web browser. Business and data analysts use the Metadata Portal to examine end-to-end data lineage, business definitions, logical models, and other metadata stored in the Metadata Hub.

The Metadata Portal is the primary user interface for business users. In this web-browser-based interface, metadata is organized by topics, and users can access information using free-text search, navigate metadata hierarchies, or identify areas of interest with diagrams. Metadata stewards can customize the navigation experience to meet the needs of their user communities by organizing metadata into hierarchies and topics, designing customized tabular and graphical views, and identifying which user interface is appropriate for a user's role.

In real-world environments, where heterogeneous technologies and vendor products are involved in the processing chain, typical questions that business users want answers to are the following:

- **Data lineage** — Which COBOL fields in VSAM files are used to compute this report field?
- **Business definitions** — Where is Product Code stored and what does it mean?
- **Impact analysis and data stewardship** — Which downstream systems are affected by a change in this source field and whom should I contact about the change?
- **Dataset selection** — Which dataset should I use for downstream processes based on the presence of relevant data, level of aggregation, update frequency, and data quality?



At the core of the Metadata Hub is a standard commercial relational database (currently Oracle, DB2, Microsoft SQL Server, or PostgreSQL) that holds all of the business metadata and summaries of the operational and technical metadata. On top of the database is a standard Java application server (currently WebSphere, WebLogic, JBoss, Apache Tomcat, or Jetty) that manages security, calculates role-based views, and implements the workflow around metadata maintenance.

You can also access the datastore through any SQL-powered tool, since the relational schema is fully documented and comes with preconfigured database views.

Furthermore, the Metadata Hub includes a Web Services API, allowing you to integrate metadata with other systems.

For more about this software

See the following:

- Metadata Hub Portal Help (for business users)
- Metadata Hub Technical Help (for technical users)

Related Ab Initio software

The Metadata Hub requires the Co>Operating System, which is used for importing data into the Metadata Hub.

The Metadata Hub works with the following:

- Authorization Gateway — Provides authentication and authorization services when users log in to the Metadata Hub.
- Control>Center — Enables users to submit configured applications as jobs to run.
- Data Quality Environment — Enables users to profile datasets, examine cross-field relationships among datasets, detect data quality issues in input sources, and display data quality results in the Metadata Portal.
- Express>It — Enables users to take a generic application and configure it for one or more specific business uses.
- Technical Repository — Typically serves as the main source of metadata that the Metadata Hub reads and writes.

Top of page