

Kalido Business Information Modeler

The Kalido Business Information Modeler provides a common language between business and IT that eases and accelerates capturing requirements, documenting the warehouse, and managing change over time. Its innovative features enable effective communication with your business users, and dramatically reduce the time it takes to design, model, deploy, and maintain the foundation behind BI and MDM solutions.

The Traditional Design Challenge

In a traditional data warehouse implementation, IT designs a logical model of the necessary infrastructure, based on requirements it receives from the business. Next, IT manually designs the physical schema, and then builds the environment – everything from the staging/landing zone, a 3NF warehouse, a reporting schema (star/snowflake) and finally BI tool semantic layer. Once the physical model is built the logical model isn't updated. When the business needs new reports requiring new data from new sources, there is often no current model or documentation of the current structure. This makes it difficult or impossible to easily and fully track and understand the changed physical data model, and there's no time or resources to convert the data model to a language the business understands. How will you deliver updated data views on time?

An Automated Solution

The Kalido Business Information Modeler is a rich interactive environment with user-appropriate graphical interfaces that enable business and IT colleagues to collaborate on collecting requirements and documenting information relationships that meet the needs for data warehousing, BI and master data management. The Kalido Information Engine automatically generates all physical schema (including staging and the semantic layer) from the business models built in the Kalido Business Information

Modeler. When the business needs new views, new data sources or reorganizes, simply change the business model and the Kalido Information Engine automates managing the underlying physical infrastructure. The benefit? Fewer resources to deploy and maintain, faster response to urgent business change, and a complete up-to-date and historical documentation of the entire data warehouse and MDM infrastructure.

A User-Appropriate Visual Interface

The Modeler presents views of the business model that fit the needs of BI Directors and data architects. Graphical representations make the model understandable for the business, while tabular views with property listings and other relevant technical variables are available for bulk editing and viewing by IT staff.

Modeling the MDM Repository

Kalido Business Information Modeler can be used to graphically and rapidly create the master data model, or import master data models from other sources for refactoring and enriching. Modeling concepts such as balanced and unbalanced hierarchies, recursive relationships and cross-dimensional relationships can be visually depicted in a model that business users can understand. The relationships in the model define the initial business rules that will test whether incoming master data is valid.

Key Features and Benefits

Easily and quickly builds conceptual and logical models — Instead of modeling data and their structures, the Kalido Business Information Modeler allows you to model data as it represents the actual parts of your business – customers, products, assets, transactions, even people – and define how you want to see information in context.

Exploits existing models, taxonomies and glossaries — Existing warehouses and data marts have models, taxonomies and business glossaries that contain valuable information. Those models can be imported into Kalido and then refactored to build a more comprehensive, flexible data warehouse from an existing series of marts, and used to define the MDM data relationship structure. The Business Information Modeler automatically converts names and labels from abbreviation files so models can be easily read and understood by your business users.

Gesture-based business modeling interface — Using Kalido's patent-pending technology, the Kalido Business Information Modeler provides a graphical design interface that can be used to develop and refine business requirements for new and existing information. Specific mouse-based click-and-drag gestures build context-specific modeling objects that dramatically reduce the time and effort to create business models, and allow IT to quickly build a model that the business can understand at first glance.

Automatically keeps the model in sync with the Kalido warehouse and MDM repository — Kalido Business Information Modeler can be used to change and update your model directly against the Kalido Information Engine. Kalido can show a list of changed objects for review before a deployment is made to the data warehouse or MDM model. This provides the ultimate in flexibility and agility in meeting the information needs of your business.

Drives BI metadata creation and maintenance — Business models created and managed in the Kalido Business Information Modeler extend out through the Kalido Information Engine to control the BI metadata configurations in popular BI tools such as IBM Cognos, SAP Business Objects and Microsoft Analysis Services, delivering business-model-driven BI.

Configuration optimization capabilities between the model and physical schema — The Modeler allows IT to manage the business model and the physical model as related entities. The ability to specify appropriate data type precision and consistently apply naming standards to the physical model leads to greater consistency in the physical schema.

Enables team development and eases collaboration on very large models — As business models grow in size and scope, large models can be visually separated by subject area to hide details and facilitate collaboration with the business users on specific topics. Model components can be incrementally deployed, with automatic analysis of deployment dependencies. Developers can work independently and deliver higher quality models faster.

Design business models collaboratively with IT and business sponsors across functional departments and geographies — Without cryptic names or IT jargon, the Modeler helps business and IT collaborate for better BI and MDM requirements definition that fits the needs of the business. Errors in the business model are captured for correction, but don't impede your progress as you build out the conceptual model.

Easily design and change in response to changing business conditions — IT can use the business model as the source of all subsequent changes in the BI infrastructure. Simple gesture-based changes can be accomplished in a few minutes, saving days or weeks compared to traditional approaches. Prior business model versions can be preserved so there is always a record of how things used to be, providing an audit trail of changes over time.

Complete documentation of all business and technical metadata — The model captures documentation on every object in the model including attributes, measures and even on associations, all of which is deployed to the warehouse and can be used by BI tools and other downstream systems. A model report function produces a document that is easily shared to ensure a common understanding of the contents of the warehouse.

About Kalido

Kalido is a product brand of Magnitude Software, a leading provider of Enterprise Information Management software that drives real business value for customers. Magnitude Software offers a family of award-winning products, from business intelligence and data warehousing to master data management, reporting and analytics.

For more information please visit <http://www.kalido.com>

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Frost Tower | 401 Congress Avenue, 29th Floor | Austin, TX 78701
info@magnitudesoftware.com www.magnitudesoftware.com