

TIME **X** TENDER | Qlik 

# FROM **BUSINESS INTELLIGENCE** TO **INTELLIGENT BUSINESS**

This is how we help you bridge the gap  
between business and IT

**Provide business users** with access to  
the data they need, when they need it

**Respond to changes**  
quickly and efficiently

**Maintain governance,**  
security, and control

**Dramatically reduce your backlog**  
of IT requests

"Not only are we saving a lot of time on  
reporting – about tenfold; the accuracy  
of the financial data has also improved  
significantly"

- Yvan Jansen, CFO, BMW Belgium

# WHY GO FROM BUSINESS INTELLIGENCE TO INTELLIGENT BUSINESS?

- Time-to-data matters

**64%** **42%**

of business managers have seen their decision window shrink in the past 12 months.

of business professionals need to make data-driven decisions within one day.

**18** MONTHS **6.3** WEEKS

Industry average deployment in traditional BI

Time to build one report in traditional BI

- Qlik / IDC

- Only data and insight driven organizations will realize an annual growth of 27-40% by 2020  
- Forrester
- Self-service alone is not the answer. The diffusion of conflicting reports creates a Tower of Babel where everyone talks, but no one communicates.  
- Eckerson

Discovery Hub® is an innovative approach to the IT architecture behind business intelligence. **It brings together the best of both worlds: self-service and governance.** It enables business leaders to rapidly access and interpret data they know they can trust. And it frees IT from tedious and redundant tasks that can readily be automated. Discovery Hub® **leverages the power of automation and makes it easy to access, model and govern data.** Discovery Hub® automates the entire information supply chain from planning, analysis, and design through development and extending into operations by scheduled execution, maintenance, and change management. Unlike other approaches, which rely on a mix of tools and vendors for things like scripting, data prep, and data blending, Discovery Hub® is **fully integrated**, so you get faster time to value with fewer resources.

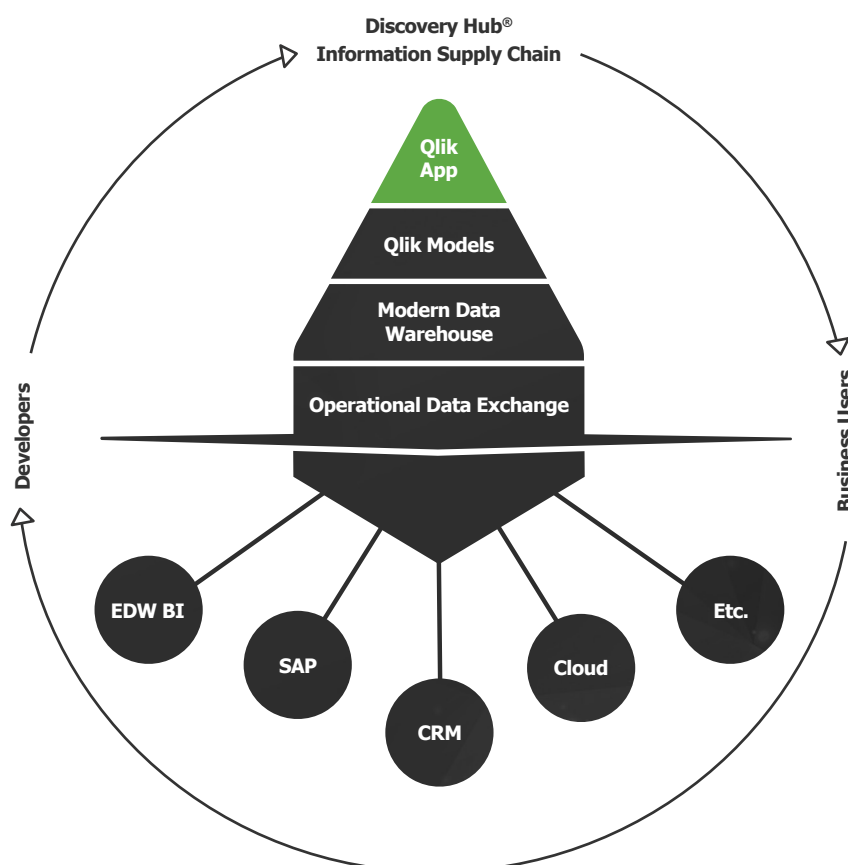
## SOLVING #1 SELF-SERVICE CHALLENGES

Discovery Hub® solves the key challenges for businesses in adopting self-service BI that Forbes research points out:

- Combining data from multiple sources
- Developing timely/actionable analysis
- Ensuring data security/integrity
- Getting the right information into the right hands
- Understanding what the data means
- Working with IT to enable access to needed data

## THIS IS HOW WE HELP YOU BRIDGE THE GAP BETWEEN BUSINESS AND IT

We enable Business users, BI and IT developers to collaborate in an agile, **fully integrated information supply chain**, supporting **iterative** workflows to **quickly** create reports and dashboards. Business leaders can make **data driven decisions** without impacting the core systems of the business, thus **reducing risk and improving performance**, and allowing IT to maintain data governance.



## OPERATIONAL DATA EXCHANGE

This is the layer in which we connect all data sources in their raw form and structure.



Perhaps the most significant design change is that IT no longer tries to model the business at the enterprise level. **That modeling is now pushed down to business units. This dramatically accelerates the data delivery cycle compared to traditional data warehousing development,** where IT architects normally spend months learning the business and creating complex, global data models.

## MODERN DATA WAREHOUSE

This is the layer where business users can access **data they understand and trust.**



The Modern Data Warehouse allows the BI team to consolidate multiple data sources, gather the most essential business data and provide **a cleansed, single version of the truth.** Data quality issues are addressed and golden records are maintained. A **robust metadata repository** makes it easy to associate fields and identify inconsistencies. Slowly changing dimensions and data lineage make it possible to trace the data flow back to its origin. So designated business users can source their own data and create or modify reports to answer immediate questions without waiting for IT.

## QLIK MODELS

For Qlik users we have developed a dedicated Qlik modeler, that allows you to design Qlik Models without writing a single line of code.



QlikView and Qlik Sense are popular data visualization tools that let you rapidly build views and dashboards. However, **the backend implementation can easily get quite complex and time consuming because it is based on scripting.** In Discovery Hub®, you can create Qlik models in the **drag and drop interface** that are ready for import into QlikView or Qlik Sense, **eliminating the need to do any scripting.**

**Popular time-saving Qlik features** include but are not limited to:

- Create and Deploy Qlik Data Models to Qlik View and Qlik Sense
- Create QVDs and automatically repopulate QVDs on a schedule
- Avoid circular references by using "linked table support"
- Build Qlik-models even faster (duplication of a model, Qlik-snippets, custom fields and scripts)

## QLIK APP

The Qlik application receives the preformatted Qlik script, giving you the perfect foundation to further develop a Qlik app benefitting from the inherited relations from the Qlik model and the Modern Data Warehouse.

## GOVERNANCE



Data Governance



Data Quality

TimeXtender's metadata engine provides extensive support for Data Governance and Data Quality Management.

**Slowly Changing Dimensions**, enabling historical data tracking. For example: a company wants to measure how the number of A, B, and C customers evolve per region over time. In most ERP systems only actual data are accessible. Slowly changing dimensions give you knowledge about data that only exist for a certain period of time but that are important for the purposes of reporting and analysis.

**Data Lineage & Impact Analysis**, an end-to-end visual representation improves data governance and tracks all objects and their dependencies. Robust documentation helps maintain regulatory compliance in response to legislation like Sarbanes-Oxley, HIPAA, Basel II.

**User privilege control.** You can control access to data on the object and on the data level. For example, a sales person might only be able to see data for the sales region that matches his own.

**Data Validation & Data Cleansing** ensure Data Quality and ease of use for the end user offering for example pre-calculated measures,

understandable data field names thus avoiding unnecessary work in front-end tools. This can be achieved using built-in features such as Transformations, Conditions, SQL snippets, Lookup Fields, Standard and Custom Views.

## AUTOMATION



Full version control



Automated ETL and documentation



Scheduled execution

One of the first important steps for self-services analytics is **fast delivery**, therefore we provide **automation in all steps of the process**.

Discovery Hub® supports the ETL process by automating script generation, freeing IT for tedious tasks as for example writing SQL procedures for extracting and maintaining up to date SSIS packages for transformation. It automates the task of building and deployment of the data warehouse including building a semantic layer for front ends and load by **scheduled execution**. Every automated script is found as an open accessible script. It even generates automated project documentation.

**Adapters:** Discovery Hub® has connectors to any data source. However, in order to save IT a considerable amount of time, TimeXtender has developed **intelligent adapters** for popular systems as **SAP**, MS Dynamics, Infor. These retrieve data using the business logic of the source system, for example predefined values for easier denormalization.

Other automated time savings features:

- **Managed thread execution** an automated method of project execution that enables much faster execution than it is possible with traditionally developed approaches, often halving the execution time.

- **Fully automated documentation generation**, including full version control, to ensure that the generated documentation corresponds to the deployed version of the project, also enabling you to readily restore previous versions

- **Scheduled execution.** When your project is ready, you would typically like the entire project, or part of it, to be executed according to a schedule, for instance execute a project every night to ensure that the business users have updated numbers in the morning.

- Source and target based **incremental load**.

## AGILITY

Discovery Hub® allows organizations **to go from a traditional waterfall approach to a governed, agile, data discovery approach**, from doing things right, to doing the right things, from doing business intelligence to intelligent business.

## You're in Good Company



VIA University  
College



### SCHEDULE A DEMO

If you want to know more about Discovery Hub® and how the power of automation can move your business forward visit: <http://go.timextender.com/tx-dwa-demo>

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