



Data Lineage and Governance

Can you trust your numbers?

How many different data integration and processing systems do you use to finally deliver the numbers the business uses to come up with new marketing strategy? Do you understand how those numbers are calculated across your complete environment?

- Where did they come from?
- How were they calculated?
- Are they up to date and reliable?
- Who is responsible for those values?
- Is the process of data integration transparent and traceable?

In most organizations, knowledge workers spend from 25 to 30 percent of their time in recovery from process failure and Information Scrap and Rework caused by defective Information Processes. In his book "Information Quality Applied" Larry English describes the costs of poor quality information and how 122 organizations lost an aggregated cost of more than \$1.2 Trillion as a result of poor quality information caused by broken information processes.

Mandatory or optional – trusted data is vital

While some organizations are compelled by governance, compliance and statutory regulation (Basell III, CCAR, BCBS 239, DFAST) initiatives forward thinking businesses are taking the lead. They recognise the real risk and threat of getting it wrong and see the big value and benefits in getting it right. The key to success is choosing a solution that allows traceability of information flows from a report all the way back to data in your source systems in a multi-vendor landscape; re-using existing technical, business and operational metadata.

The solution

MetaDex is a solution for integrating metadata from heterogeneous systems into a single metadata repository. It is built on a patent pending technology that enables deep understanding of heterogenous processes. Once you have all the information in a single place you can make use of it in various ways.

Integrate everything

By combining the bridges built into the Informatica Metadata Manager with our own patent pending technologies we are able to integrate metadata from most of the data processing platforms. We provide support for a rich set of technologies like SQL, PL/SQL, various ETL tools, SAS and others as well as build custom metadata integration solutions when needed.

Analyze end to end data lineage

Once all the information is integrated, one can perform data lineage analysis to fully understand the way a particular piece of information goes through the system: down to the level of every single database column / data file field; every single component in an ETL job; every single expression being applied to the value, regardless of the technology it is being executed in.

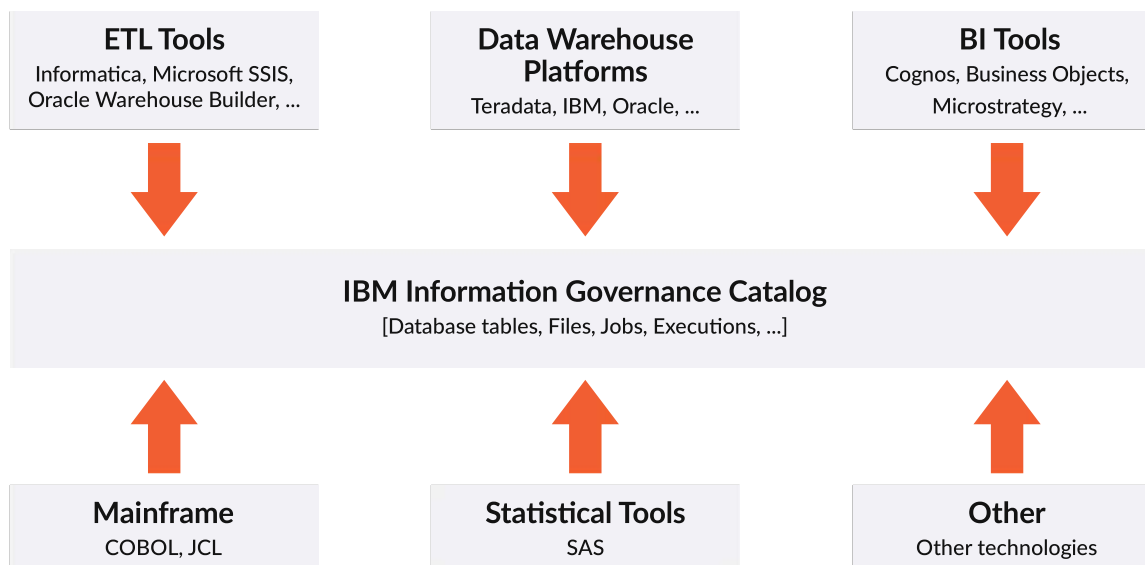


Perform impact analysis

Your developer is about to change the way a single field is calculated or stored in a database column. How do you know which other tables, ETL jobs, or BI reports will be affected? Which elements of your system should be taken into account when planning the change and tested after the change is implemented? This is exactly the answer you will get from the impact analysis report, showing the complete list of affected assets for every change you are about to make.

Browse, explore and search

With all the metadata gathered in a single repository now you can easily explore all the information about your databases, data files, BI reports, ETL jobs or SQL scripts and procedures. All from a single place, accessible across your company with an intuitive web user interface.



Supported Sources

Databases/SQL - Teradata Database, Oracle Database, Microsoft SQL Server, MySQL, IBM DB2, IBM Netezza, IBM Informix, Other SQL dialects - for all databases lineage from stored procedures, scripts, views etc.

ETL Tools - Informatica PowerCenter, Microsoft SSIS 2005, 2008, 2012, Oracle Warehouse Builder, Oracle Data Integrator

Statistical Tools - SAS

BI Tools - QlikView 11 or newer, Microsoft SSRS 2008 or newer

Big Data/Hadoop - Apache Hive, Cloudera Navigator 2.3.1 (Cloudera 5.4.1) or newer

Data Virtualization - Cisco Information Server/Composite

Data Quality - Informatica Data Quality

Mainframe - COBOL, JCL

Industry specific technologies - Cloverleaf

Custom Connectors - Connectors for customer specific applications and solutions

Supported Metadata Repositories

IBM Information Governance Catalog 11.3-11.5, IBM Metadata Workbench 9.1, Informatica Metadata Manager 9.5.1 or newer, Ab Initio Metadata Hub, Collibra, Adaptive Metadata Manager

About Compact Solutions

Compact Solutions are a company focused on providing solutions in the Data Transformation and Management field. We are recognised as experts in our field and have a range of solutions and services that enhance our customers data programmes.

Headquartered in Chicago, Compact Solutions has operations in four countries: United States, United Kingdom, Poland and India.

The company was founded on a passion for cutting edge technology and the need for better access to corporate information assets.

