

## Jedox for Data Integration (ETL Server)

### Extraction, Transformation and Loading of Mass Data from Heterogeneous Sources

Unlike other ETL tools, the Jedox ETL Server has been tailored to meet the particular requirements of Jedox. Jedox OLAP Server is supported as both the source and the target system in an efficient manner. The handling of cubes and dimensions is straightforward with flexibility in generating frequently used time hierarchies. The tool makes the conversion from a relational model to an OLAP model simple and efficient.

- Execute data imports in a quick, easy and flexible manner
- Interface to all common relational databases and SAP ERP (Enterprise Resource Planning) and BW (Business Warehouse) systems
- Drill-through from consolidated Jedox OLAP-data down to the last detail of the source data
- A complete web-based solution fully automated for optimal integration

### The ETL Process in 3 Steps

#### Extracts

Retrieval of data from source systems is defined in 'Extracts'. All common relational database systems such as MySQL, Microsoft SQL Server and Oracle can be connected via JDBC interface. Besides access to the Jedox OLAP Server, data can be extracted from flat files, XML files, Web services and LDAP systems. A direct link to SAP systems via RFC/BAPI is facilitated through Jedox SAP Connectivity.

#### Transforms

The relevant transformation steps are defined in 'Transform': Normalization, aggregation, join, filter and sort as well as particular hierarchical operations of dimension data. For field by field transformations, predefined functions are available, e.g. mapping and concatenation. Additional custom transformations can be implemented with a scripting language or Java. The result of Transforms as well as for Extracts can already be verified during the modelling phase using the data preview.

#### Loads

With Loads, data is written into the target system. The creation of dimensions and cubes in the Jedox OLAP Server is achieved in a high performing manner through optimal utilization of the interface. In addition, data can be written back into relational database systems and flat files. Jobs group multiple Loads and by using variables they can be made dynamic. They are therefore the basis for a time-controlled and fully automated loading process.

