

Cubeware Importer

Your Power Tool
for OLAP ETL

- Create cubes without programming
- Access to all your data sources including SAP
- Automate data imports
- Utilize graphical mapping and scripting

product
import



A perfect fit



Cubeware Importer

Multidimensional data is just a mouse click away!

ETL for business professionals.

Fast, trustworthy data imports.

Simultaneous imports from multiple source systems.

Visual import mapping.

Integration to leading source systems and

OLAP databases.

Cubeware Importer is a powerful ETL (Extracting, Transforming, Loading) tool that gathers, aggregates and stores your operational data into a multidimensional database where you can use it for analysis, planning and reporting. Cubeware Importer automatically extracts information from data warehouses or different source systems before transforming, verifying and loading it into an OLAP cube.

Depending on your company's demands on information you can run the ETL process once a day or once an hour. Cubeware Importer ensures that you can fully rely on your data. Plausibility checks even identify accounting errors or other data inconsistencies instantly.

Cubeware Importer stands out from most ETL tools, because you do not need any programming knowledge to model an import workflow. By dragging and dropping your specifications within the intuitive mapping interface, you can outline basic as well as complex import tasks. Cubeware Importer even gives IT professionals the choice of scripting, mapping or a combination of the two.



Fast, reliable data imports

Simultaneous access to multiple sources

Cubeware Importer uses standardized interfaces to access all major relational databases and text files. The powerful ETL tool imports data from multiple sources with ease and with no special preparation. This allows you to extract data from different source systems at the same time and automatically combine them into a cube.

Drag and drop import processes

Using visual import mapping, you can define basic as well as complex import processes using drag and drop. No programming skills are required! You can model an entire OLAP database – from connecting the data sources, creating multidimensional structures and defining data flow to actually importing the data – through the intuitive graphical interface. Technical users also have the option to use scripting to design part or all of the modeling if desired.

Complex data imports made easy

By combining drag and drop mapping with TCL scripting for OLAP commands, you have the full flexibility to design a customized import for your company's unique requirements. You can run calculations and plausibility checks as well as cleanse the data, consolidate values or query conditions during the import process.

Relational write back

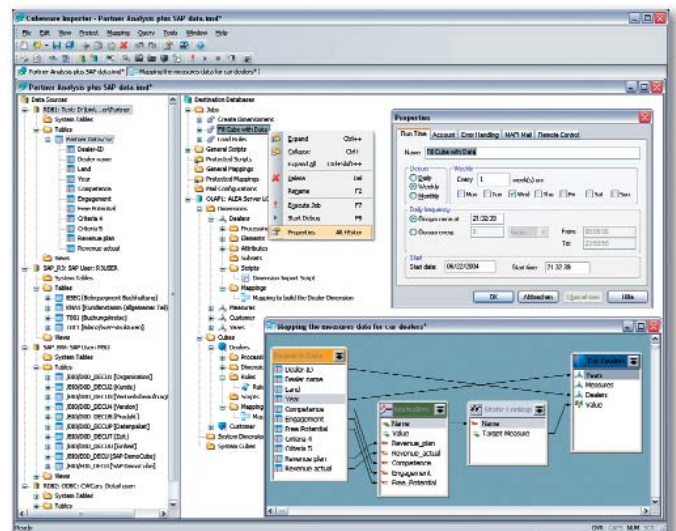
By incorporating ODBC, OLE DB, text files and SAP BAPI in scripts and mappings, you can write back data to Microsoft SQL Server or other relational databases. This allows you to add new tables and data records to relational tables or edit existing ones regardless of the database driver in use.

Different modes for different needs

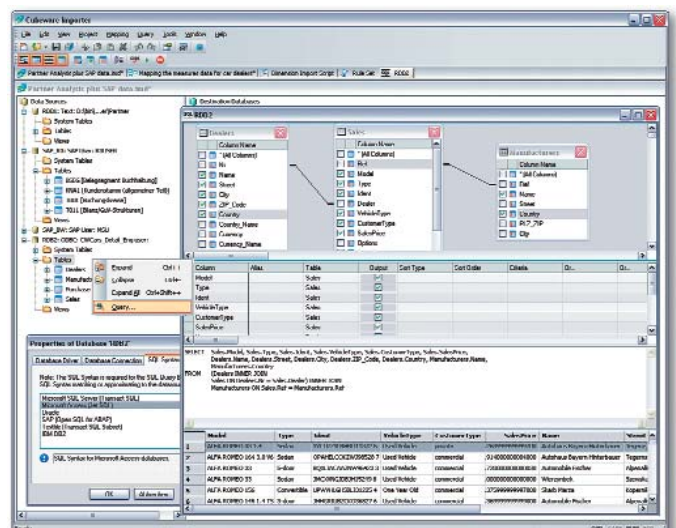
- Graphical user interface for creating, testing and maintaining import definitions
- Microsoft Windows service for automated and scheduled imports
- Batch program to activate Cubeware Importer from other programs

Seamless SAP connections

Combined with Cubeware Connectivity for SAP® Solutions, Cubeware Importer directly accesses SAP tables, BAPIs, SAP Business Warehouse as valuable data sources for use in your Business Intelligence or Performance Management solutions.



Cubeware Importer set up to read various data sources plus job properties and visual importer mappings



Cubeware Importer's integrated SQL query builder

Cubeware Importer



Cubeware Importer proves that ETL and modeling tools can be easy to use. Its comprehensive visual mapping features are just what business professionals need to create cubes from a variety of data sources without IT assistance.



Bob Taylor, Product Manager

Maximize your technology ROI

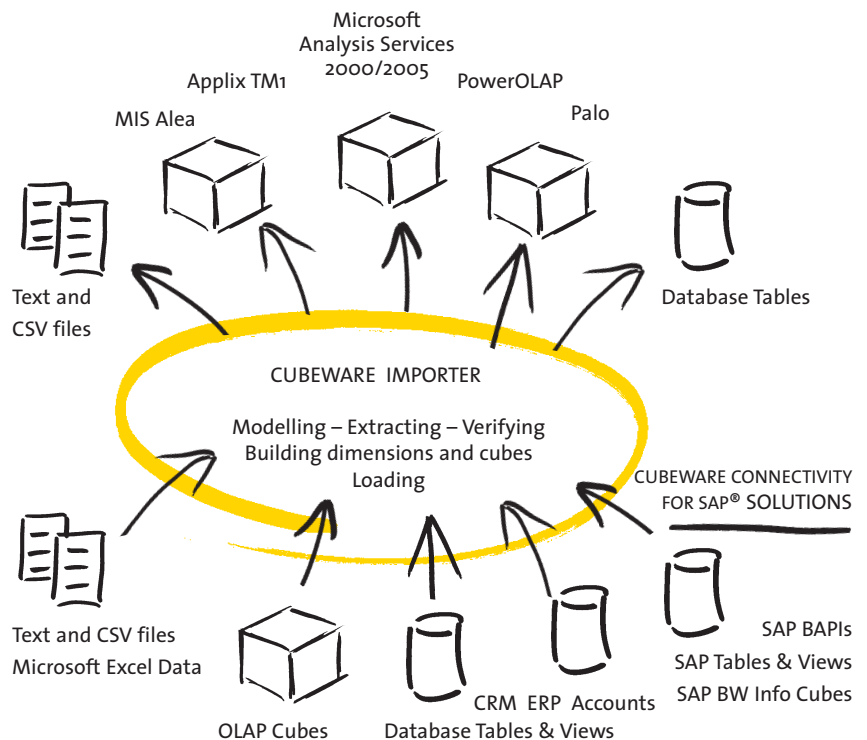
Cubeware Importer gathers data from many different types of operational data sources and consolidates them into the multidimensional database of your choice. This provides the solid foundation you need for flexible analysis, planning and reporting and ultimately for making better-informed business decisions.

Cubeware accesses many different source systems, including:

- ERP and CRM systems (e.g. Navision, SAP, Baan)
- Industry-specific merchandise or accounting software
- Other databases [e.g. SQL Server, Access, Oracle, AS/400 (System i5)]

Cubeware supports the following OLAP databases

- MIS Alea
- Applix TM1
- Microsoft SQL Server 2000 / 2005 Analysis Services
- Paris Technologies PowerOLAP
- Jedox Palo



Facts and functions

Function	Benefits
Ultramodern graphical user interface	Intuitive and easy to learn with icons, assistants, component tabs and and Microsoft Visual Studio® context-sensitive toolbars
Automated import	Low personnel requirements, on-time data provision, low follow-up costs
Simultaneous integration of many data sources	Distinct time savings. Plausibility checks and data consolidation across data sources
Access to all current relational databases	High level of integratability
Support of various OLAP target databases	Openness and wide range of application
Visual import mapping	Multidimensional structures and complex import processes can be modelled without programming effort
Integrated script language	Individual fine-tuning of import definitions. Complex calculations, data cleaning processes and plausibility checks can already be performed at the import stage
Scripting and mapping debugger	Scripts and mappings can be executed in debug mode
Graphical SQL query builder integrated into mapping and scripting	Complex, multi-table SQL for browsing and retrieval from data sources can be compiled by simple point & click
Automatic support of many SQL syntax dialects e.g. Microsoft Access®, SQL Server, Oracle, IBM DB2, FoxPro or Open SQL for SAP	Problem-free use of different SQL dialects and databases. Even text sources (CSVs) and spreadsheets are addressable via SQL
Integrated BAPI support	Direct use of SAP BAPI functions as Importer data sources (only together with Cubeware Connectivity for SAP® solutions)

Function	Benefits
Result set objects	Direct and complete processing of SQL queries and their results in scripts and mapping
Lookup objects	Wide range of options for the validation, replacement, transformation and enrichment of input data. With lookup reference to fixed lists (static lookup), database tables (dynamic lookup) or already existing OLAP cubes and dimensions (cube or dimension lookup)
Expression objects	Various options for calculating input values (numeric expressions), editing input fields (string expressions), adjusting date values (date expressions) or formats (date format)
Filter objects	For filtering and separation of input data streams using logical conditions (e.g. domestic/foreign or postcode)
Normalizer	Splitting of parallel incoming values in an input result set for the serial cell notation necessary in OLAP databases
Integrated modelling of dimensions and cubes of target databases	A single tool for both modelling and import into all OLAP databases supported by Cubeware
Building of dynamic dimensional hierarchies and multiple hierarchies	Automatic allowance for data structures contained in the input data
Manual building of dimensional structures and levels	Establishment of fixed structures for dimensions
Assistant for the simple building of time dimensions	Fast creation of deeply nested time structures such as years, quarters, months, weeks and days with freely selectable date formats
Definition and writing of attribute values for dimensional structures	For saving of additional information in dimensional structures, e.g. of speaking element names, addresses or descriptions
Cube definition by drag & drop	Fast selection of required dimensions
Setting up cube rules	Creation and management of database calculation rules - either static by rule editor or dynamic, e.g. from a text file
Weighting of elements	Automatic calculation of variances or weighted accumulated values
Automatic generation of subsets and named sets in the target database	Creation of pre-selected quantities or Top 10 lists during data import
Creation or removal of elements in subsets	Useful e.g. for automatic adjustment of rolling time periods
Definition of measures	Modelling of measures and values integrated in Cubeware Importer
Writing of cell data in a cube, by overwriting or additive	Use of OLAP database capabilities; unknown element handling
Incremental import of dimensions and values	Instead of always importing all data, values and dimensional elements for a precisely defined range, e.g. a period, can be clearly delimited.
Post-processing of data in cubes (iterative)	Incremental updating of data
Selective deletion of sub-areas of a cube	Tidying up without new import
Copying sub-areas of cubes (e.g. figures from Plan 1 to Plan 2)	Automatic transposition of data
Assignment of authorization levels	Password protection for import definitions, scripts and mappings
Remote console	Import jobs released for remote control can be launched via a remote console with password protection
Mapping object »Logging«	Supports the output of Cubeware Importer results into text files
Import job scheduling	Setting of run times and run date, intervals and repeats for jobs
Import job attributes	Information about log-on data, error and timeout treatment as well as logging
Notification of administrators by e-mail	Information about successful, faulty or failed import of data
Automation of follow-up tasks	Follow-up tasks can be initiated after successful import: e.g. cube backups or notification of Cubeware Cockpit users that their updated data is now available, right up to the activation of a fully automatic report export and a report distribution via the Cubeware Team server.

Technical data

Operating systems

- Microsoft Windows 2000® SP4
- Microsoft Windows XP Professional®
- Microsoft Windows Server 2003®
- Microsoft Windows Vista®

Memory requirements

- At least 50 MB hard disk space
- At least 512 MB RAM, depending on data model, more memory may be necessary

Components

- Graphical interface for editing the import definition
- Batch-capable console program
- Service manager with graphical user interface

Data drivers

- ODBC 3.0 or higher for reading and writing tables and views in relational database systems
- Text driver for reading and writing structured text and .csv files
- OLE DB 2.0 or higher for reading in data from databases, XML files, directories, spreadsheets, etc.
- OLE DB for OLAP for reading in multidimensional data
- Connector for SAP for reading in data from SAP tables, views and BAPIs (only together with Cubeware Connectivity for SAP® solutions)

Multidimensional OLAP drivers

- MIS Alea 3.x/4.x/5.x
- Applix TM1 version 7.x/8.x/9.x
- Microsoft Analysis Services® 2000 and 2005
- PARIS Technologies PowerOLAP® 7.x or later
- Jedox PALO 1.5
- Text driver for creating star schemes