cubeware

Cubeware Importer

Power ETL for Business Intelligence solutions

- Create cubes without programming
- Build relational staging areas
- Access all your data sources (including SAP)
- Ensure fast and secure data imports
- Visual mapping for easy import design
- Integrate multiple source systems and OLAP databases

cubeware

That simple

ETL tools for business users

Cubeware Importer is the fast, easy way to create a structured multidimensional database and build staging areas.

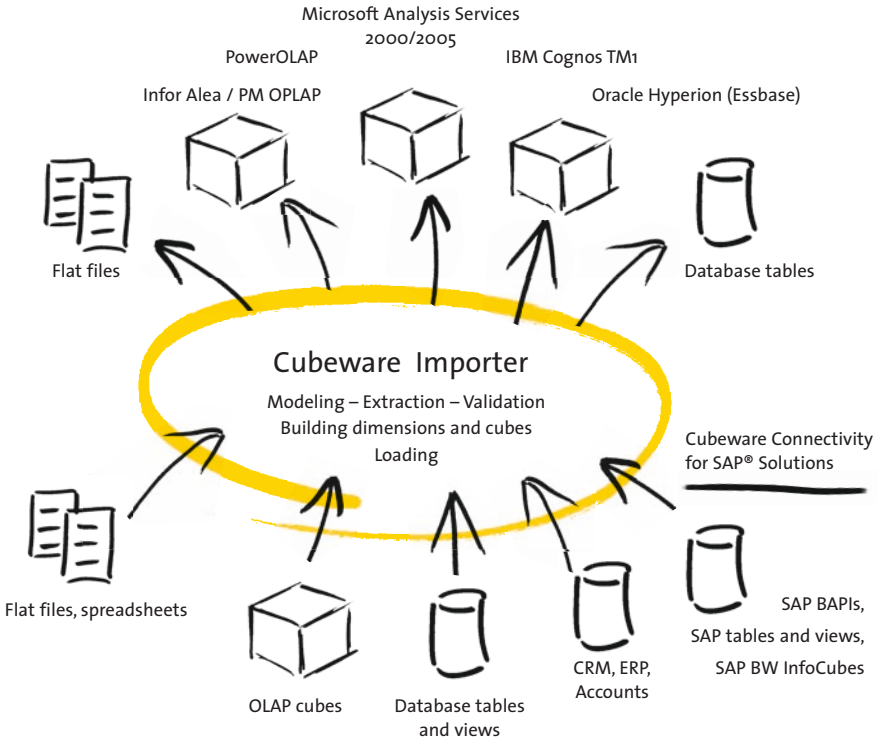
- Create cubes without programming
- Build relational staging areas
- Visual mapping for easy import design

Cubeware Importer is a robust and powerful ETL tool that automatically extracts operational data from your data warehouse or a variety of source systems before transforming and loading it into a multidimensional database. Here you can leverage this data for flexible analysis, planning and reporting.

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. Built-in 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 skills to model an import workflow. By dragging and dropping your specifications within the intuitive visual mapping interface, you can outline basic as well as complex import tasks. Cubeware Importer also gives users with a strong technical background the option to use scripting, mapping or a combination of the two.

Access relational databases, build staging areas and map import workflows for an OLAP database with unprecedented ease unsing Cubeware Importer.



Seamless support for multiple systems

Cubeware Importer collects data from a wide range of operational data sources and consolidates it into staging areas or the OLAP database of your choice. This ensures a solid data base for analysis, planning, reporting and dashboards.

Supported source systems include:

- ERP and CRM systems suc as Microsoft Dynamics, SAP or Baan
- Industry-specific ERP or accounting software
- Databases such as SQL Server, Access, Oracle or DB2
- Spreadsheets and file-based systems

Supported OLAP databases:

- Microsoft SQL Server Analysis Services
- Infor Alea/PM OLAP
- IBM Cognos TM1
- SAP NetWeaver Business Warehouse (read only)
- Oracle Hyperion (Essbase)

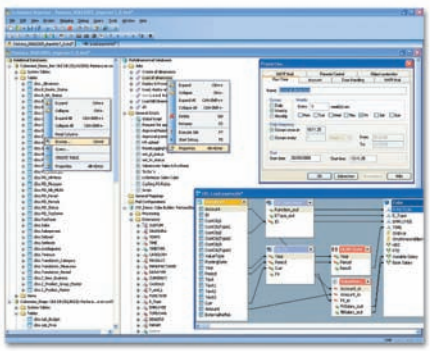
Fast and reliable ETL and data modeling

Simultaneous access to multiple sources
Cubeware Importer uses standard interfaces to access all major relational databases and flat files. The powerful ETL tool imports data from multiple sources with ease and without special processing. This allows you to extract data from different source systems at the same time and automatically combine them into a single cube.

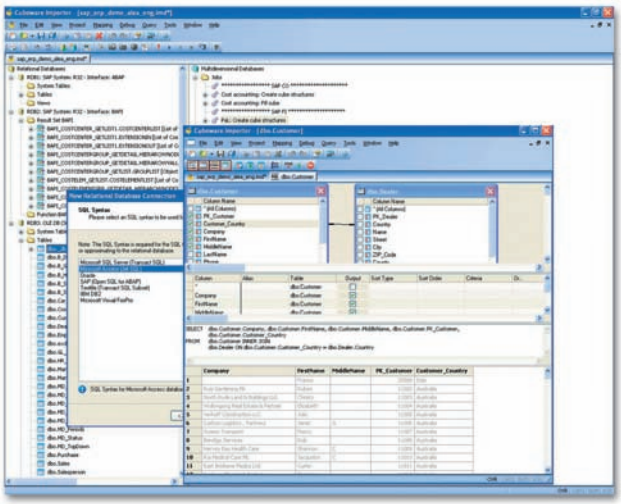
Drag-and-drop import processes
Using visual import mapping, you can define basic as well as complex import processes through drag and drop. No programming skills are required! You can model an entire OLAP database – from connecting the data sources, creating multidimensional structures, defining data flow and importing the data - through the intuitive graphical interface. Technical users can also use scripting to design the entire model or simply parts of it.

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 staging
By incorporating ODBC, OLE DB, flat files and SAP BAPI in scripts and mappings, you can write 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.

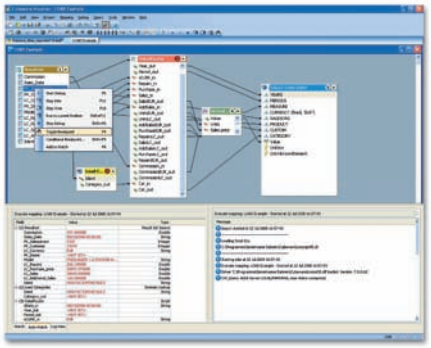


Using visual import mappings and job properties, you can easily collect data from multiple sources and load it into various targets.



The integrated SQL Query Builder accesses a variety of source systems.

Cubeware Importer



Interactive debugging of a data mapping.

Mapping and scripting

Cubeware Importer closely ties mapping and scripting functionality for managing import processes. By uniting visual import mapping with scripting, it supports you throughout the modeling process with a unique mix of flexibility and usability. The mapping and script debuggers, for example, work hand in hand to help you find and remove errors from an import definition containing both scripts in mappings and mappings in scripts.

One tool. Three possibilities.

You can apply Cubeware Importer for your Business Intelligence and Performance Management solutions in one of three ways:

- Graphical user interface for creating, testing and administering import definitions
- Microsoft Windows service for automatically executing scheduled imports
- Commando interface to start exports from other applications

Microsoft GOLD CERTIFIED Partner

Microsoft SQL Server Analysis Services 2005

Using CubeBuilder, a special Cubeware Importer module, you can easily build dimensions and cubes or model your data in Microsoft SQL Server Analysis Services 2005. This easy-to-use product offers helpful wizards and graphical drafts so business professionals who work with Cubeware Importer can create the components that they need in Microsoft SQL Server Analysis Services without requiring IT assistance. This includes building relational and multidimensional databases, creating dimension and fact tables, defining cubes (including dimensions, hierarchies, attributes perspectives or write back) as well as transferring, validating and unifying data before loading it at scheduled intervals into the database.

Cubeware Importer is a robust tool that understands the countless options and specific properties that Analysis Services requires. Its helpful default settings and well-documented options, however, provide unparalleled support to business users.

SAP Partner

SAP® Certified
Integration with SAP NetWeaver®

Seamless SAP connections

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

Flexibility and scalability

Cubeware Importer contains a cube migration wizard that allows you to translate import definitions created for one type of OLAP database so that you can use them in another. This gives you unparalleled flexibility and freedom in selecting a multidimensional database to match your growing business needs.

Unicode support

Cubeware Importer provides full Unicode support for multidimensional, relational and meta data such as the names of cubes, dimensions, elements, attributes, tables and columns. The system can only correctly process and save Unicode data, however, when the underlying databases also support Unicode.

Features	Benefits
Ultramodern graphical user interface	Intuitive and easy to learn with icons, assistants, component tabs and 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 consolidation of multiple data sources
Table filters	For databases with many tables, to reduce complexity
Access to all current relational databases	High level of integration
Support of various OLAP target databases	Open platform for a wide range of applications
Visual import mapping	Modeling multidimensional structures and complex import processes without programming
Integrated script language (TCL 8.5)	Customized import definitions. Complex calculations, data cleansing and plausibility checks at the import stage
Scripting and mapping debugger	Scripts and mappings can be executed in debug mode
Graphical SQL query builder, integrated in Mapping and Scripting	Point-and-click feature to compile complex, multi-table SQL for browsing and retrieving data sources in map ping and scripting
Automatic support of many SQL syntax dialects (e.g. Microsoft Access, SQL Server, Oracle, IBM DB2, FoxPro or Open SQL for SAP)	Easy integration 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 (in combination with Cubeware Connectivity for SAP® solutions)
Result set objects	Direct and complete processing of SQL queries and their results in scripts and mapping
Lookup objects	Wide range of options for validating, replacing, transforming and enriching input data, lookup references to fixed lists (static lookup), database tables (dynamic lookup) or 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 separating input data streams using logical conditions (e.g. domestic/international or zip codes)
Normalizer	Splitting parallel incoming values in an input result set for the serial cell notation in OLAP databases
Integrated modeling of dimensions and cubes	A single modeling and import tool for all OLAP databases supported by Cubeware
Building dynamic dimensional hierarchies and multiple hierarchies	Structures of input data are automatically taken into account
Manual building of dimensional structures and levels	Definition of fixed structures for dimensions
Wizard for building time dimensions	Fast creation of nested time structures such as years, quarters, months, weeks and days using a variety of date formats
Defining and writing attribute values for dimension structures	Saving additional information (e.g. more logical element names, addresses or descriptions) in dimensional structures
Drag-and-drop cube definitions	Fast selection of required dimensions
Creating cube rules	Adding and managing calculation rules in the database (statically using the rule editor or dynamically from a text file, etc.)
Weighted 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 the import process
Creation or removal of elements in subsets	Automatic adjustments of rolling time periods
KPI definitions	Modeling values integrated in Cubeware Importer
Writing values to a cube, overwriting or additive	Use of OLAP database capabilities; unknown element handling
Incremental import of dimensions and values	Targeted imports by clearly delimiting values and dimensional elements for a defined range (e.g. a time period)
Post-processing of data in cubes (iterative)	Incremental data updates
Selective deletion of sub-areas of a cube	Upkeep without running a new import
Copying sub-areas of cubes (e.g. figures from budget 1 to budget 2)	Automatic transposition of data
Content protection	Password protection for visibility and modification of import definitions, scripts, mappings, jobs and rule sets
Remote console	Import jobs released for remote control can be launched via a remote console with password protection
Mapping object »logging«	Export import results as text files
Import job scheduling	Scheduling run times and dates, intervals and repeats for jobs
Import job attributes	Information about log-on data, error and timeout treatment as well as logging
IMD-Localizer	Simple adaption of database connections in existing import definitions
E-mail notifications	Administrator updates on successful, faulty or failed imports
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 updated data is available, automatic report exports, report distribution via Cubeware Team Server

Technical data

Operating systems
- Microsoft Windows XP Professional
- Microsoft Windows Server 2003
- Microsoft Windows Server 2008
- Microsoft Windows Vista
- Microsoft Windows 7

Minimum memory requirements
- 100 MB hard drive
- 512 MB RAM (depending on data model, more memory may be necessary)

Components
- Graphical interface for editing import definitions
- Batch console program
- Service manager with graphical user interface

Relational 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, directories, spreadsheets, etc.
- OLE DB for OLAP for importing multidimensional data
- Connector for SAP for importing data from SAP tables, views and BAPIs (only when used together with Cubeware Connectivity for SAP® Solutions)

Multidimensional OLAP drivers
- Microsoft Analysis Services 2000/2005/2008
- Infor Alea 3.x/4.x/5.x, PM OLAP 10.x
- IBM Cognos TM1 7.x/8.x/9.x
- SAP NetWeaver Business Warehouse (read only)
- Text driver for building star schemas
- Oracle Hyperion (Essbase) 6.5, 9.3, 11

products

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