

arlanis Universal Data Converter UDC V3 - Overview -

The Challenge

The conversion of data is rarely a simple task: data is spread over different systems in different data formats, data has to be sorted, filtered, aggregated or split when transferred from one system to another, the content of data sources is composed based on complex rules, which have to be validated during a transformation.

The arlanis Universal Data Converter (UDC) is an all-purpose data conversion tool to convert almost any data file - whatever its format may be - into another one. It is suitable in virtually any IT project and can easily be integrated in foreign architectures - due to its universal and unique design. With the arlanis Universal Data Converter you can convert data from one system into another, you can manage B2B data exchange and you can create import- or export-interfaces for your own applications. Data conversions can be done on a regular basis or as one-time data migrations respecting the complex rules which need to be followed during the transformation process.

From business requirements to the executable conversion

The arlanis Universal Data Converter can be used to manage the task of data integration. Starting point of each conversion is the business idea of the future integration task itself. Along with the idea you can model the conversion on a higher level perspective (picture 1). As you can see, all relevant information is shown. This means which input sources are used, which outputs are necessary or on which way the data will travel between input and output. The UDC white board shows the data transformation in overview. This drawing is fully functional (but not yet in deep specified).

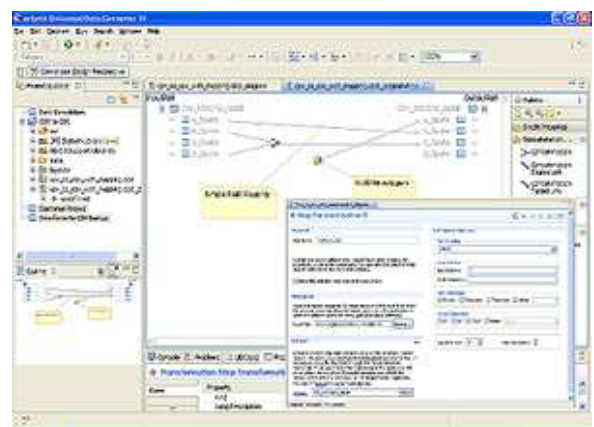
Needless to say, that all conversions, presented on the white board, are printable and could be saved as an image or HTML file. This means, during the design of your conversion you will automatically receive all the artifacts which are required for your documentation.

Various input and output adapter are out-of-the-box provided. For instance: CSV, EDIFACT, RDBMS as well as SAP IDoc and COBOL. Those input and output adapter can be connected in different ways



Picture 1: Graphical Design of the Conversion

After definition of the higher level or business level of your conversion the technical data has to be assigned to each steps (see picture 2). For this task special editors are shipped within the product.



Picture 2: Graphical data mapping and customization

On picture 2 you can see the graphical data mapping designer and, displayed below, the parameter editor for the CSV data input.

Within the Designer the conversions can be executed and tested. If everything works as desired the result is loaded into the arlanis UDC V3 Conversion Platform.

Monitoring, Management and the UDC Conversion Platform

Integrated into the UDC product family is an integration platform. This means, all your conversions can be deployed to a server (with running UDC platform). With the help of this platform conversions could be monitored and managed.

You want to execute your conversion in periodical manner, in a specified term or once a single time? No problem, everything can be adjusted (see picture 3).



Picture 3: UDC Conversion Platform, Management and Monitoring

Features

- Graphical Designer for conversion jobs
- Graphical Designer for data mappings
- Powerful scripting environment (the Java language can be used)
- Eclipse based programming environment
- Input & Output Adapter for numerous data formats
 - text files
 - COBOL - text files, fixed format
 - Microsoft Excel
 - XML (ebXML, cXML, ...)
 - Databases: Oracle, DB/2, UDB, MS SQL-Server, Sybase and nearly all JDBC or ODBC databases
 - dBase
 - EDIFACT
 - SAP iDoc
 - Salesforce.com
- Integration-as-a-Service Platform for the created conversions
- Web based Monitoring and Management user interface
- Web Service interface for conversions and platform (start, stop, deploy, monitoring, ...)
- Platform can be run with every system, which supports Java 5 or higher
- Independent of system and language through modern SOA technologies (for instance the UDC can be used in Java, .NET, ... environments).

LINKS

General: <http://www.arlanis.com>

Products for data integration:
<http://www.arlanis.com/en/software-solutions.html>

Partner
<http://www.arlanis.com/en/company/partners.html>