

# Integration

## TOOLS AND APPLICATION



Smooth integration of SimCorp Dimension into the business and IT infrastructure is one of the main criteria for success in an organisation. To ensure this, the SimCorp Dimension integration tools support users all the way from project start to live use.

For organisations to make the most of all business system investments, the tools make it easy to integrate SimCorp Dimension with other business critical applications. Above all, the integration tools are designed to reduce the pain that comes with integration work. They are flexible enough to operate

with even the most rigid external systems, ensuring that the organisation's SimCorp Dimension installation is as much an asset to the IT team as it is to the business. And even better, control is brought to the business and not the IT department!

### FEATURES

- The powerful integration tools offer different options for interfacing and enable users to move data in and out of their SimCorp Dimension installation in real time or in batches
- Automation allows organisations to eliminate manual data transfer
- Being standard modules, the tools work with any other SimCorp Dimension modules, as well as they can access all SimCorp Dimension data and translate to and from external system formats
- Imported data is subject to the same validation checks and business logic as hand-keyed entries
- The integration tools are designed for use by end-users

### BENEFITS

- Automated data transfer allows freeing up resources for other tasks and reducing operational risk
- The integration tools allow organisations to make best use of existing systems, internal and external, while building on top of SimCorp Dimension's rich, open data model and ensuring smooth interfacing
- A downstream system can be served regardless of data format requirements
- Imported data have the same consistency and accuracy as manual input
- The tools are easy to use and smoothly adopted by the organisation; once installed, they can be used immediately

Five separate modules make up a set of advanced, flexible integration tools. Each contributes a different capability; they can be used together or separately, depending on the organisation's needs.

### IMPORT: FILTER TOOLBOX

The Filter Toolbox translates source data and imports it into SimCorp Dimension. It is extremely powerful, with filters and translators for processing source data, but also easy to use with a mouse-driven user interface and no programming required.

### REAL-TIME DATA: COMMUNICATION SERVER

The Communication Server is an XML plug-in-based server which allows SimCorp Dimension to participate in process and application integration, and to exchange data with other systems in near real time. The Communication Server can be used for orchestrating the integration workflow and implementing the VETO pattern (Validate, Enrich, Transform and Operate). It offers both asynchronous and synchronous communications, a variety of queuing mechanisms and support for industry standard messaging middleware. Off-the-shelf plug-ins include SWIFT and Omgeo CTM.

### EXPORT: DATA EXTRACTOR

The Data Extractor takes data from SimCorp Dimension, translates it into the required format and makes it available in files or as data in Oracle. SimCorp Dimension's database is open, and fully documented with online help. Pre-defined report views offer ready made joins on tables for common purposes. The Data Extractor allows organisations to make full use of all the data in their SimCorp Dimension system.

### EXPORT: GENERAL LEDGER TOOLBOX

The General Ledger Toolbox is used for exporting accounting data to an external general ledger system. This module translates data into the required format. The exported data is marked in the SimCorp Dimension database so it is possible to recreate the same export file in the future.

### DATA REQUEST MANAGEMENT: DATA REQUEST TOOLBOX

The Date Request Toolbox enables automated data request management which allows the user to:

- request data, using the Data Extractor, segments and fixed elements;
- combine all the integration tools into a more transparent workflow;
- monitor the entire workflow from within SimCorp Dimension;
- control the workflow through the Communication Server which is required by the Data Request Toolbox.

### COMBINE THE INTEGRATION TOOLS

The choice of tools is affected by the organisation's needs. SimCorp consultants can advise on the best solution depending on particular requirements regarding:

- Data volume
- Source systems
- Destination systems
- Ad-hoc, real-time or batch operation

The diagram below illustrates how the tools fit together in a typical environment.

