

ARKIEVA

SAP® CONNECTOR

Arkieva Integration to SAP® using Adaplink®

Arkieva relies on data from a client's ERP system to help with supply chain planning. While there are many ERP systems, a large majority of Arkieva's clients use SAP®, and many of these users require a pre-integrated connector to get data from and into SAP®. Arkieva uses Adapchain's Adaplink® connector to fulfill this key requirement.

Integrating with SAP® through direct SQL-statements against the underlying relational database is in general not recommended. The most common recommended approaches are:

// BAPI or RFC (SAP's term for API)

// IDOC

// Custom code known as ABAP inside SAP's programming language

Arkieva's Adaplink – SAP® interface integrates to SAP® through standard BAPIs. The integrated data is staged in dedicated, pre-defined databases. These databases together with the standard data mappings between SAP® and Arkieva are defined as integration templates (see page 2). And since SAP® installations can be different and customized across clients, the templates are open to enhancement to fit the client's specific needs.

The Arkieva Adaplink® stages the data from SAP® in an intermediate database, then the data is moved to an Arkieva database via pre-built procedures and jobs. Likewise, data is moved back into SAP® at the end of the planning cycle. When run the first time, the integration is in full mode—all subsequent runs are in an additive (Delta) mode. Arkieva Supply Planner also provides desktop capabilities for operations managers to promptly handle constantly evolving situations and still preserve both margins and customer service.

Clients using this pre-built integration benefit in the following ways:

Rapid Response

Pre-built templates allow for faster installation. The typical time involved is a couple of weeks.

Minimizes work for IT

The preconfigured integration changes the focus from the integration challenges to the planning challenges. This also frees up the IT resources who would have otherwise been involved in creating the extract.

Configurability

The pre-built templates can be modified to fit any specific configuration to the client's SAP install.

Adaptability

The integration can be updated as needed by working with your Arkieva consultants.

Increased Value of the Supply Chain Project

The quicker implementation and the low risk involved with the pre-built templates increases the overall value of the project and provides higher savings.

Data Imported from SAP®

*Not all clients need all this data

Master Data from SAP ® to Arkieva:

- // Product Master and Associated Hierarchy Data
- // Customer Master (Ship to/Sold to/Bill to/Parent)
- // Location Master (Plants/Tollers/Warehouses)
- // Production Resources
- // Bill of Materials
- // Production Versions
- // Bill of Distribution
- // Production Rates
- // MRP parameters such as lot sizes, lead times

Transaction Data:

- // Shipment History
- // Order History
- // Consumption History
- // Open Customer Orders
- // Open Purchase Orders
- // Open STO's
- // Current Inventory (including classification)

The Following Data is Exported from Arkieva to SAP®:

- // Forecast
- // Planned Production Orders
- // Planned Purchase Orders
- // Planned STO's



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ABOUT US

Since 1993, Arkieva tools have been used in more than 200 unique applications around the globe, and most of our clients leverage Arkieva software to support collaborative planning teams in North America, Europe, and in Asia.