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:
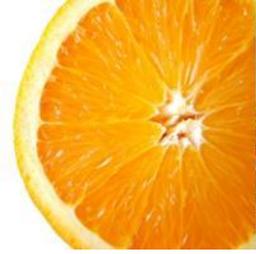
BAPI or RFC (SAP's term for API)
IDOC
Custom code known as ABAP inside SAP's programming language

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.

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

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

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

Delta or net-change update
Transferring only the net-changes reduces load on SAP ERP, as well as on the network. This is much more efficient than the old method of trash and reload.

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.

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