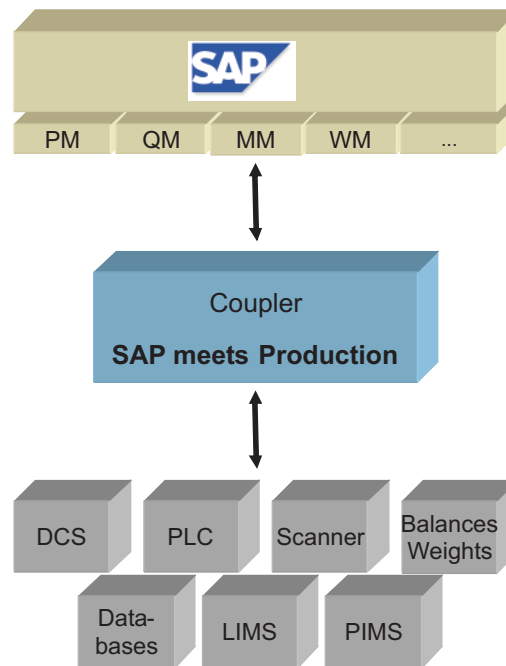


SAP meets Production



SAP meets Production is a software framework to connect IT-solutions of production systems like DCS, PLC or data based applications with different modules of the ERP-System SAP/R3.

The SAP coupler offers several built-in connectivity interfaces like OPC or ODBC to connect to production systems. On the other side it supports open SAP connectivity using SAP Remote Function Calls (RFC) or SAP WebServices. The SAP coupler includes a scheduler for cyclic data transfer activities, event-oriented interfaces to trigger data communications based on external events and a functionality to read retrospectively lost data using historical data stored in DCS archives or data bases.

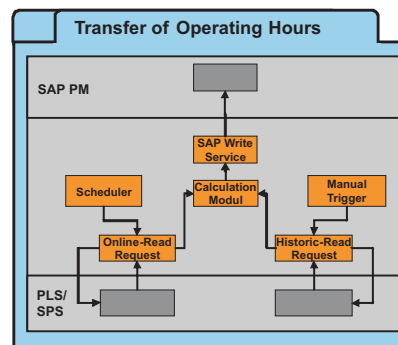
Typical Applications:

- transfer of production or transportation orders from SAP to production or logistic systems (PM or WM involved)
- feedback of produced and consumed quantities of materials to support an automatic inventory management (MM or WM involved)
- transfer of operating hours or switching cycles to support an event-driven plant maintenance management (PM involved)
- bidirectional transfer of quality relevant data (QM involved)
- transfer of flow or level measurements to support automatic accounting of raw materials and produced products

SAP meets Production

Support of Standard Workflows:

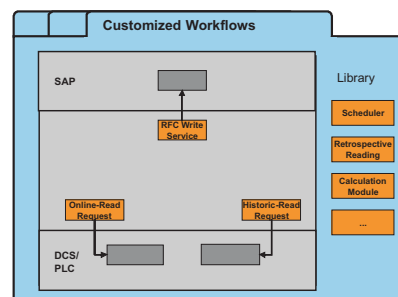
Several workflows of a vertical integration between SAP and production oriented IT-Systems can be standardized based on experience as well on documented standards like ISA S95 (IEC 62264). Examples of such workflows are transfers of operating hours to support an event-driven plant maintenance management or the transfer of flow or level measurements to support automatic accounting of raw materials and produced products. The SAP Coupler supports such workflows in an easy way by configuring the data flow without the need of programming activities.



Schematic diagram of an example of a standard workflow application.

Adaption to Customized Data Transfer Interactions:

To fulfill the requirements of customer specific workflows, the SAP coupler offers templates and module libraries which can be used to implement individual data transfer logics.



Schematic diagram of a template using for customized workflows.

SAP meets Production is a lean software solution without complex data management needs. Therefore it is a cost-saving alternative to large system solutions like XMII.