



Solution
Partner

Digital Industries
Software

SIEMENS

THE INTEGRATION BETWEEN Opcenter APS & ERP

Opcenter APS software is a modeling tool.

The SC Scheduling module covers the creation of a fine cut sequence of operations for each factory resource, constrained by shift calendars, materials, labour, tooling etc. Formerly well known as Preactor.

Another module, PL Planning is available for the creation of MPS and MRP suggestions, using rough-cut capacity calculations and days of cover targets per SKU.

Click here for more information on the Siemens web site: [Info](#)

The tool needs to understand the characteristics of your factory and processes, which can be partly defined by the data held in your ERP system.

This document describes the typical interface to SC where the ERP system uses Microsoft SQL Server.

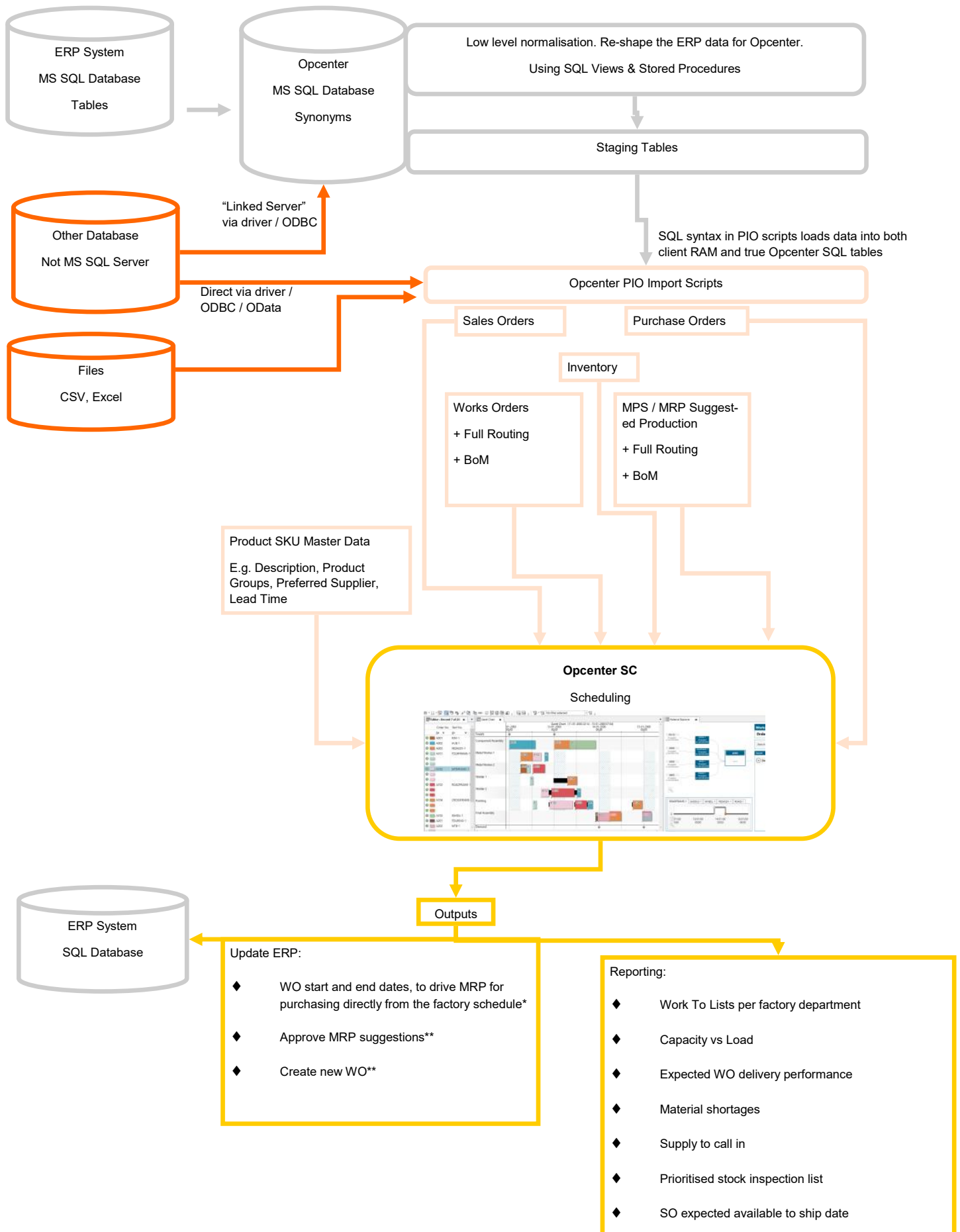
And indicates some options that can be used if data is held in other file or database structures.

Data Flow

— Typical Method for ERP on SQL Server —
SQL to SQL

Opcenter PIO

Optional Capability



** Requires API add-on for the ERP system



Data Interface

Types of ERP data:

Type	Data	Description
Import to Opcenter	Sales Forecasts and/or Sales Orders	Optionally netted off to avoid duplicating demand
Import to Opcenter	Purchase Orders	External supply with dates and remaining quantities
Import to Opcenter	Product Codes	Description / EOQ / Lead Time / Product Groups / Preferred Supplier etc + initial stock for Opcenter pegging
Import to Opcenter	Works Order Headers	Supply of made products + target dates
Import to Opcenter	Works Order BoM	BOM data to show the demand for components + required dates
Import to Opcenter	Works Order Operations	Process routes describing resource groups, run rates and setup times
Import to Opcenter	MRP Recommendations	Suggestions to raise new Works Orders
Import to Opcenter	BOM for MRP Recommendations	BOM data to show the demand for components + required dates
Import to Opcenter	Routings for MRP Recommendations	Process routes describing resource groups, run rates and setup times
Import to Opcenter	Up to 30 extra fields	Modify a SQL View to fetch fields from anywhere in the ERP SQL database

