

## Client

National hospital chain

## Problem

- > The Integrated Distribution Center (IDC) replenishment process used static min/max methodology to place orders to the vendor
- > Smoothie demand modeler provided more control of inventory levels for the IDC
- > Smoothie needed inventory and order information Peoplesoft; Peoplesoft needed replenishment requisitions

## Project Gestalt Scope

- > Design the integration architecture
- > Develop integration with the Smoothie demand modeling application and the Peoplesoft requisition loading process

## Technologies

- > Smoothie
- > Peoplesoft
- > Microsoft SQL Server and SSIS

## Solution

The Integrated Distribution Center (IDC) for a national hospital chain wanted to integrate demand modeling into their replenishment process. The current replenishment process used static minimum/maximum methods to place orders to vendors. They selected Smoothie demand modeling software as the method to provide more control over the inventory level for the 2400+ products at the IDC. Incorporating demand modeling into new requisition processes required automated methods to provide to Smoothie information on the items, vendors, orders, and actual inventory levels—information was maintained in Peoplesoft. Using the Peoplesoft information, the Smoothie model forecasts demand for review /adjustment by inventory analysts. Automation was also required to submit purchase requisitions to Peoplesoft from the replenishment plans developed by inventory analysts using Smoothie.

The integration architecture developed by Project Gestalt minimizes the number of required “moving parts” to reduce development time and increase reliability in operations. To transfer information to Smoothie, Project Gestalt built views into an existing data warehouse containing daily snapshots of Peoplesoft data. The solution relies on Smoothie’s built in export features to update a database with current purchase requests. A single Microsoft SQL Server SSIS package transforms the requests into a flat file formatted for an existing Peoplesoft Requisition Loader process and moves the file via ftp to the pickup location.

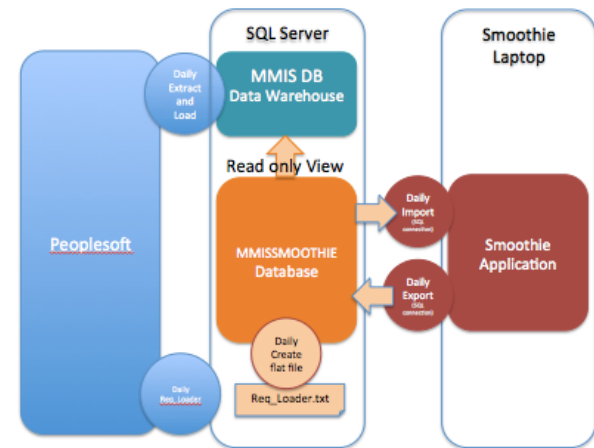


Figure 1: Smoothie Integration Architecture