

Integration Engineer Fundamentals Case Study

Product Requirement

OBJECTIVE

Migrate the product information from a customer's CSV file into your Pricefx partition through the use of IntegrationManager templates while properly mapping the CSV columns into the correct data structure and assigned attributes.

RESOURCES

Use the following data sources and structures for this task:

- Master Data table
 - Product Master
- Product Extension table:
 - One or more extension tables as needed
- CSV Data:
 - Product CSV file
 - Product Costs CSV file
 - UOM CSV file

DATA LAYOUTS

There are multiple files related to this requirement and below are the layouts of the CSV files.

Layout of the **Products** CSV file:

- Product ID
- Product Name
- Unit
- Currency
- Base Qty
- UOM
- Industry
- Business Unit
- Product Type
- Manufacturing Type
- Product Group
- Product Line
- Competitiveness
- Sub Product
- EAN
- Packaging Type

Layout of the **Product Costs** CSV file:

- Product ID
- Cost
- Valid From Date
- Valid To Date
- Currency
- Dependency Level Name

Layout of the **UOM** CSV file:

- Product ID
- Additional UOM
- Conversion Rate

ACCEPTANCE CRITERIA

Develop a data integration solution using the IM template(s) that successfully migrates the CSV data into the appropriately defined and structured table or tables in the partition. Your solution should contain the following components:

- 1. PlatformManager/IntegrationManager:**
 - a. IntegrationManager Instance and companion SFTP server
 - b. Appropriate SFTP folder(s)
 - c. Utilization of case study partition
 - d. Correct metadata definition for all of the customer's Product data
 - e. Utilization of IM template(s) to create:
 - i. Mappers
 - ii. Routes
 - iii. Connections
- 2. Partition:**
 - a. Configured structures
 - b. Populated structures