Name of Solution:

Mapping: Processing XML Data

Business Requirement:

PowerCenter mapping sample demonstrating the processing of XML Data

Solution URL:

https://community.informatica.com/solutions/1613

Supported Versions:

PowerCenter 9.1 and 9.5

Description:

Informatica PowerCenter has powerful in-built functionality to process XML data.

You can create an XML definition in PowerCenter from an XML file, DTD file, XML schema, flat file definition, or relational table definition. When you create an XML definition, the Designer extracts XML metadata and creates a schema in the repository. The schema provides the structure from which you edit and validate the XML definition.

An XML definition can contain multiple groups. In an XML definition, groups are called views.

When you create an XML definition, you can create a hierarchical model or an entity relationship model of the XML data.

When you create a hierarchical model, you create a normalized or de-normalized hierarchy. A normalized hierarchy contains separate views for multiple-occurring elements. A de-normalized hierarchy has one view with duplicate data for multiple-occurring elements.

If you create an entity model, the Designer creates views for complex types and multiple-occurring elements.

Implementation Guidelines:

- In the mapping the source structure is created from a schema file as a de-normalized hierarchy.
- A de-normalized hierarchy has one view with duplicate data for multiple-occurring elements.
- A normalized hierarchy contains separate views for multiple-occurring elements. Each view in an XML source definition is analogous to a relational table, as the XML

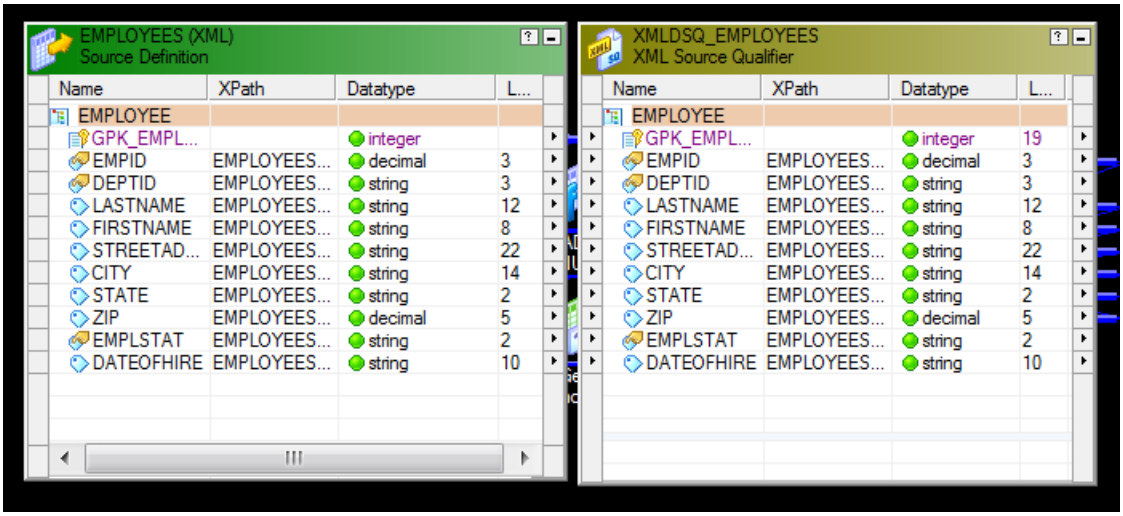
source data is processed each view's data treated as a separate source of data. Each view can then be processed separately or can be joined based on the concatenation rules that apply when you connect objects in a mapping.

Download file contents:

1. Workflow
2. Source File

Steps to implement the solution:

1. Place source file in $PMSourceFileDir folder.
2. Import workflow using Repository Manager. Select the appropriate folder from repository and resolve the conflicts by choosing suitable option.
3. Open mapping in PowerCenter Designer, observe SML source definition.



4. Open the workflow in Workflow Manager. Assign the integration service in Workflow -> Edit -> Integration Service
5. Edit session and assign valid connection object for the source and target.
6. For more details for importing object please visit our YouTube link.
7. Execute the workflow and observe the target file.

YouTube Video on Importing and Configuring Workflows:

http://www.youtube.com/playlist?list=PLLRreK2jjjgWBQ4NPfp0QWTxYDvlnEqSJ

Other Useful links:

Bundle : Useful PowerCenter Script files
Bundle : Advanced Workflow Techniques
Bundle : PowerCenter Mapping Templates
Bundle : Informatica Debugging Tools
Bundle : Informatica Productivity Tools