Working with files



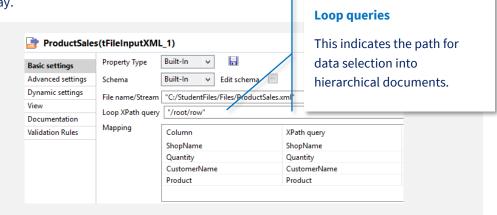
Overview

In this module, you learned how to handle different types of structured files. It focused on using Talend Studio components dedicated to reading data from structured files (tFileInputDelimited) and hierarchical files (tFileInputJSON and tFileInputXML).

Key steps

Regardless of the file type, data is interpreted and processed in the same way.

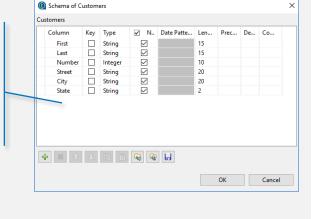
- 1 Identify file properties so data can be correctly extracted from the file and separated into fields.
 - File path
 - For delimited files:
 - Row and field separators
 - Column headers
 - For hierarchical files:
 - Loop XPath query (XML files)
 - Loop Json query (JSON files)
 - Column mapping



- 2 Define the output schema and map columns.
 - The schema is used to define data properties: names of data columns, data type, length.
 - Each data input field is then mapped to a column in the schema.
 - Schemas are propagated to the next component in the data flow.

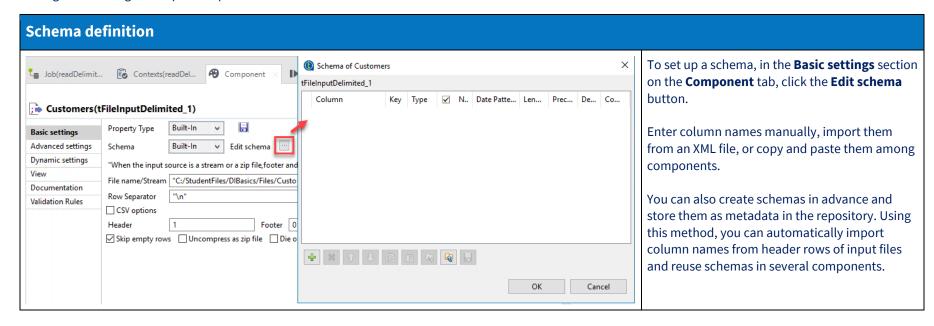
You can propagate a schema again, for instance, after modifying the input schema, by clicking the **Sync columns** button.

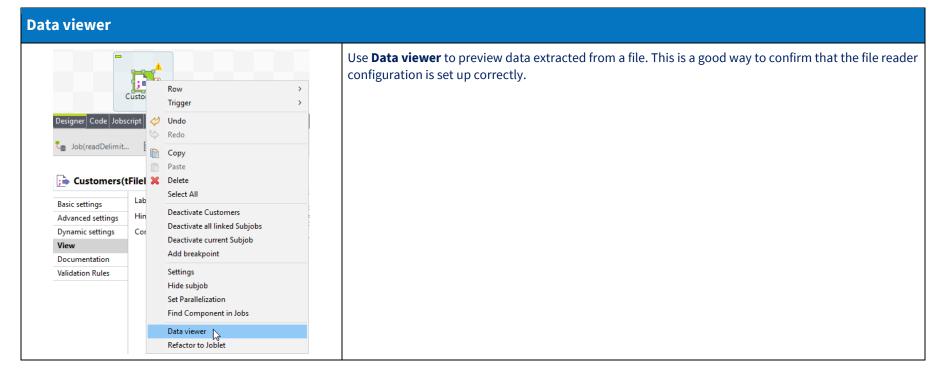
You can manually configure the output schema or import it from a file or the repository.



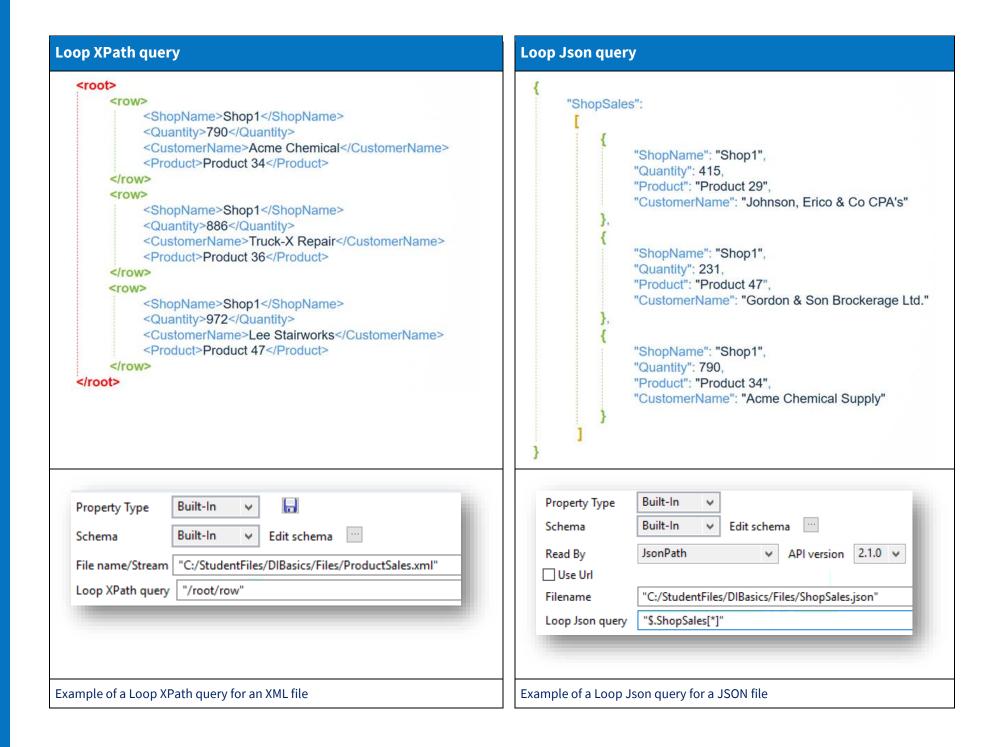
Tips

Settings for working with input components





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