Examples of importing data from an Excel file

Example 1. Importing an entire sheet

When importing from an Excel file, after specifying the location of the document itself (e.g., `Sales.xlsx`), you need to choose which sheet will be imported. Sheets can be indicated by their sequence number or by their name.

- By number (the sequential number of the sheet in the workbook)

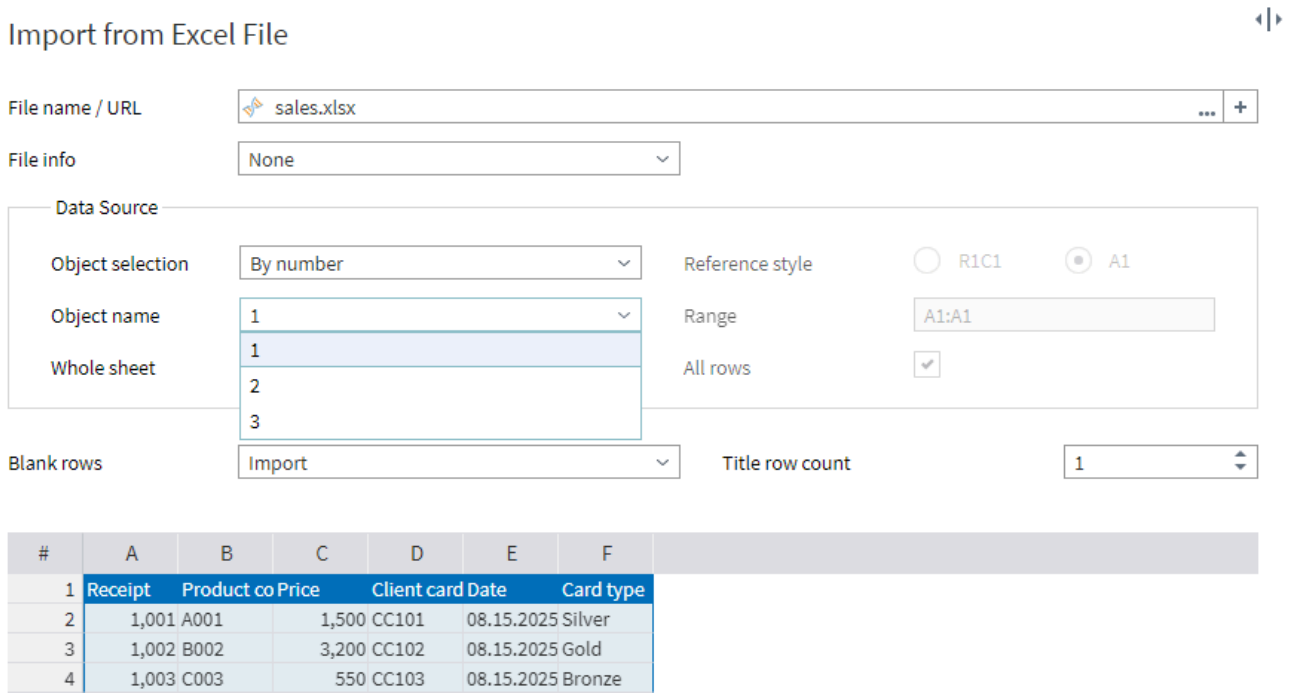


Figure 1. Selecting an object by number

- By name (the name of the sheet in the workbook)

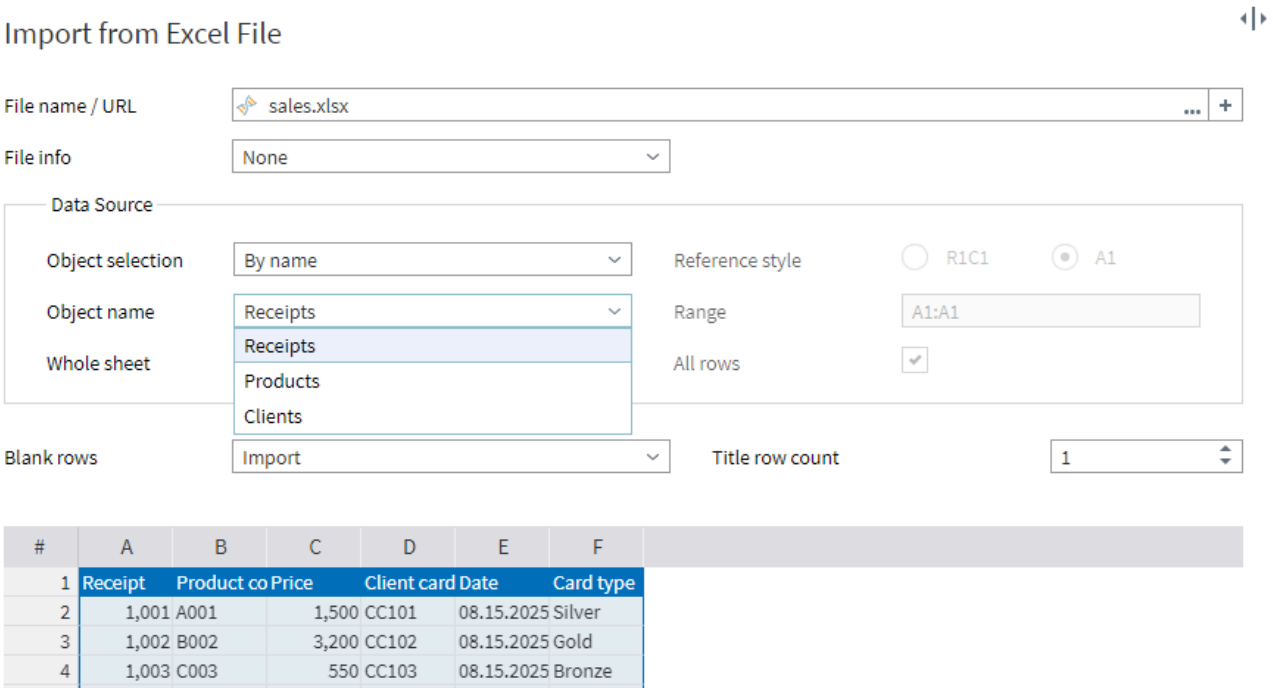


Figure 2. Selecting an object by name

You can leave the other parameters at their default values:

- **Whole sheet**: marked (the entire sheet, i.e., all the rows of the file, will be imported).
- **Blank rows**: the default value is **Import**. If the sheet contains empty rows, they will also be imported. If you don't want to import empty rows, select **Exclude**. If you need to import all rows up to the first empty row encountered, select **Up to the first empty row**.
- **Title row count**: The default value is **1**, indicating that only the first row contains column headers.

In the next page of the wizard, **Configure fields**, you can change the default names and *captions* (labels) of the fields. By default, field captions are set the same as names.

In addition, you can select the fields for import by marking/unmarking the **Use** checkbox for each column. By default, all fields are selected.

Configure Fields

Refresh All | Define data types Row count for analysis 50 Raw data Result

Fields	12 Receipt	ab Product code	9.0 Price	ab Client card ID	ab Date	ab Ca
Name	Receipt	Product_code	Price	Client_card_ID	Date	Card
Caption	Receipt	Product code	Price	Client card ID	Date	Card
Data type	12 Integer	ab String	9.0 Real	ab String	ab String	ab St
Data kind	Continuous	Discrete	Continuous	Discrete	Discrete	Di
Use	✔	✔	✔	✔	✔	
1	1,001	A001	1,500.00	CC101	08.15.2025	Silve
2	1,002	B002	3,200.00	CC102	08.15.2025	Gold
3	1,003	C003	550.00	CC103	08.15.2025	Bron
4	1,004	D004	7,800.00	CC104	08.16.2025	Gold

Figure 3. Configuring fields

Here is how the resulting dataset for this example looks:

Excel File • Quick View

Data set

#	12 Receipt	ab Product code	9.0 Price	ab Client card ID	ab Date	ab Card type
1	1,001	A001	1,500.00	CC101	08.15.2025	Silver
2	1,002	B002	3,200.00	CC102	08.15.2025	Gold
3	1,003	C003	550.00	CC103	08.15.2025	Bronze
4	1,004	D004	7,800.00	CC104	08.16.2025	Gold
5	1,005	E005	250.00	CC105	08.16.2025	Bronze
6	1,006	A001	1,500.00	CC101	08.16.2025	Silver
7	1,007	F006	4,500.00	CC106	08.17.2025	Gold
8	1,008	B002	3,200.00	CC107	08.17.2025	Gold
9	1,009	G007	990.00	CC108	08.17.2025	Bronze

Figure 4. Imported dataset

> **Important**: It is not possible to import multiple sheets at the same time.

Example 2. Importing a named range

To import a named range created in Excel, select **Named range** as the value for the **Object selection** parameter and specify the range in the **Object name** field below (in this example, `Product`).

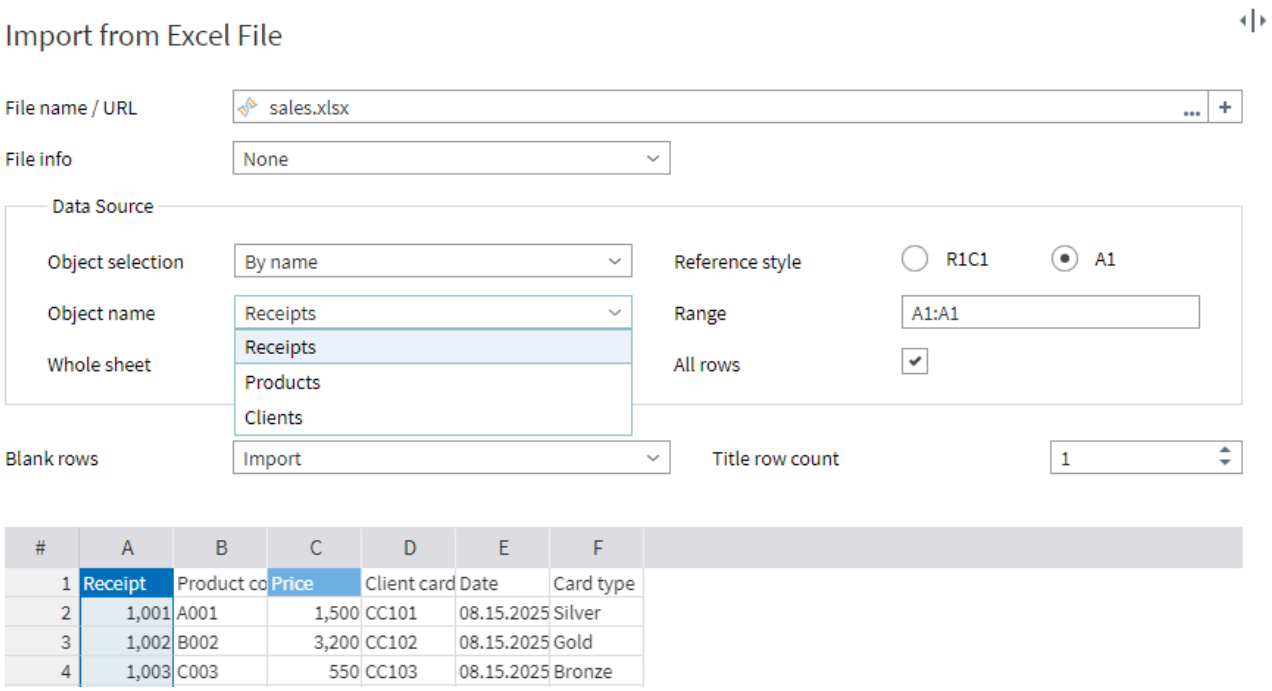


Figure 5. Selecting a named range

> **Note:** Pay attention to the **All rows** parameter. If this is selected, all rows up to the end of the sheet will be included, even if they are not part of the range in the Excel file. In the current example, we unmark this checkbox to exclude extra rows.

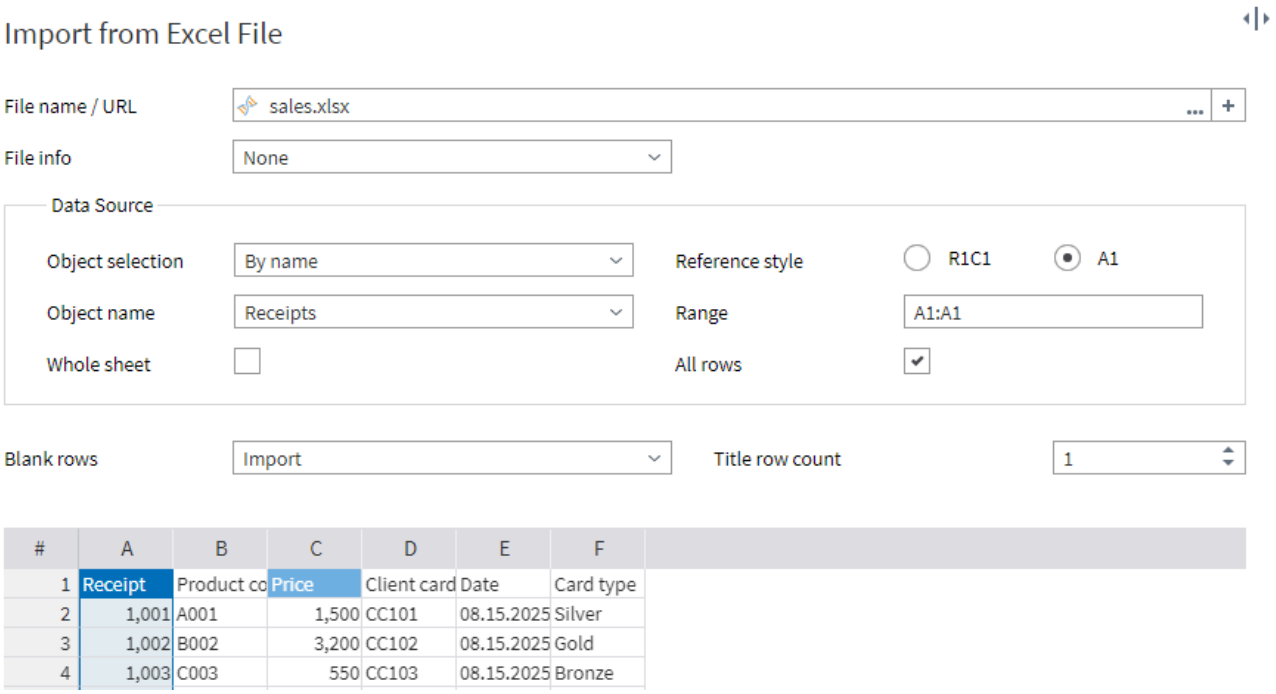


Figure 6. Setting import parameters

The other parameters can be left at their default values.

Here is a screenshot of the resulting dataset:

Excel File • Quick View

Data set

#	12 Receipt
1	1,001
2	1,002
3	1,003
4	1,004
5	1,005
6	1,006
7	1,007
8	1,008
9	1,009
10	1,010
11	1,011
12	1,012
13	1,013
14	1,014
15	1,015
16	1,016
17	1,017

Figure 7. Imported dataset

> **Important**: Simultaneous import of multiple named ranges is not supported.

Example 3. Importing a range using references

The goal of this example task is to import the following sheet:

#	A	B	C	D	E	F
1	<null>	<null>	<null>	<null>	<null>	<null>
2	<null>	<null>	<null>	<null>	<null>	<null>
3	<null>	<null>	<null>	<null>	<null>	<null>
4	<null>	<null>	<null>	<null>	<null>	<null>
5	<null>	<null>	<null>	<null>	<null>	<null>
6	<null>	<null>	<null>	<null>	<null>	<null>
7	Receipt	Product co	Price	Client card	Date	Card type
8	1,001	A001	1,500	CC101	08.15.2025	Silver
9	1,002	B002	3,200	CC102	08.15.2025	Gold
10	1,003	C003	550	CC103	08.15.2025	Bronze
11	1,004	D004	7,800	CC104	08.16.2025	Gold
12	1,005	E005	250	CC105	08.16.2025	Bronze
13	1,006	A001	1,500	CC101	08.16.2025	Silver
14	1,007	F006	4,500	CC106	08.17.2025	Gold
15	1,008	B002	3,200	CC107	08.17.2025	Gold
16	1,009	G007	990	CC108	08.17.2025	Bronze

Figure 8. Original data view

To do this, set **By name** or **By number** for the **Object selection** parameter, and unmark the **Whole sheet** checkbox. The parameters for referencing a range for import will become available.

In the current example, we enter the range `A7:J14` in the **Range** parameter, and unmark **All rows**.

> **Note:** You can also set the value of the **Range** parameter by selecting the desired data range with the mouse.

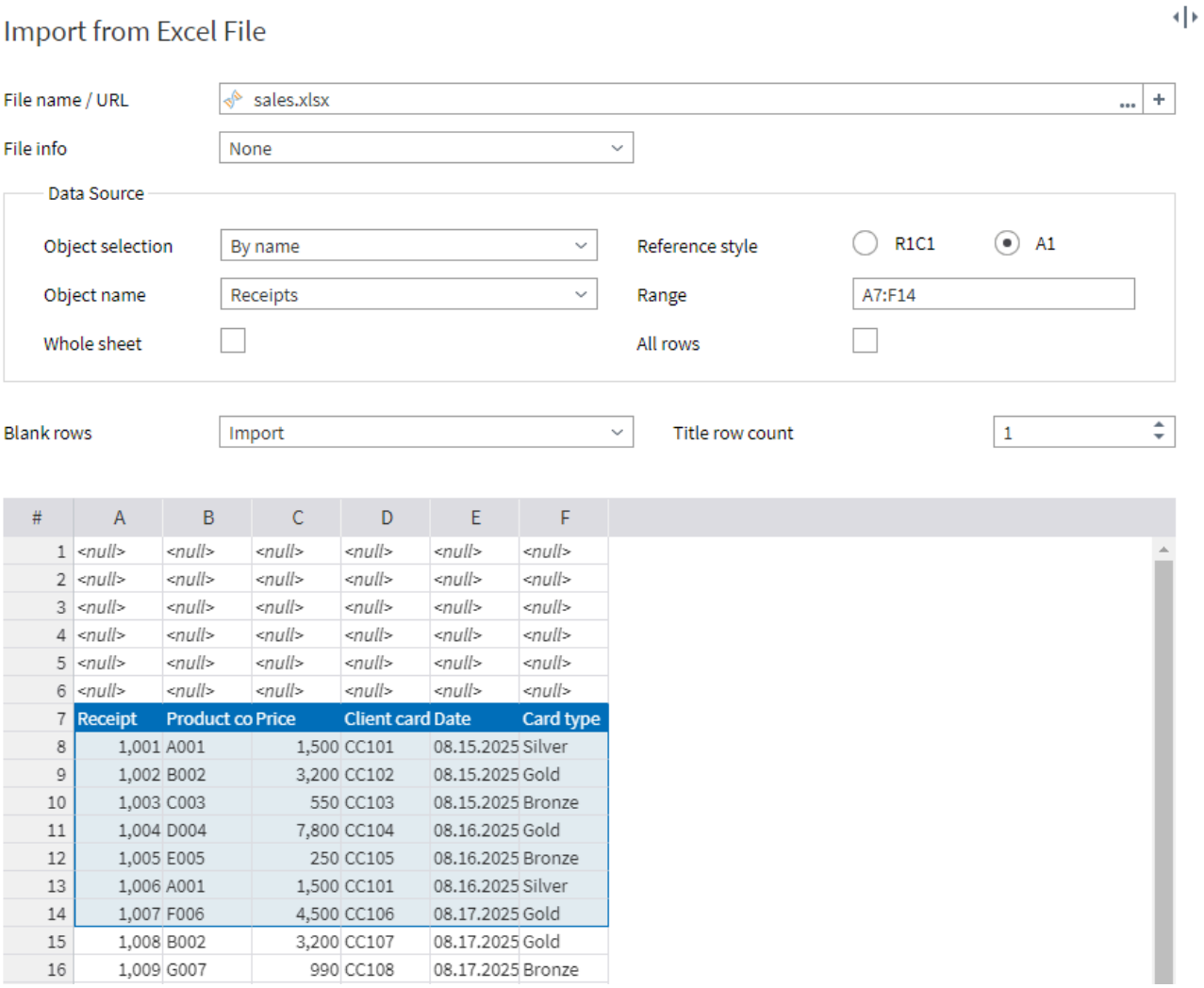


Figure 9. Configured range

The resulting dataset looks as follows:

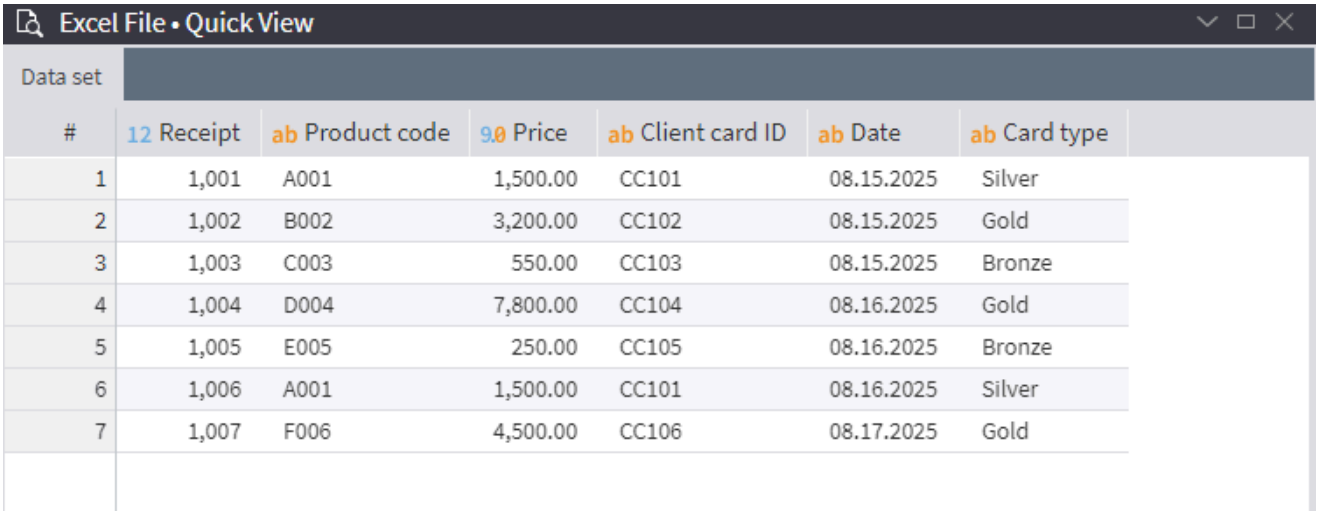


Figure 10. Imported dataset

Example 4. Importing multiple files in a single node

To select multiple Excel files for import, click on the **+ Add** button next to the **File name/URL** field on the first page of the setup wizard. All the selected files will be listed in the **File name/URL** field, separated by a special character `|`.



Figure 11. Adding files to the File name/URL field

If you need to import data from all files located in the same folder, you can set the **File name/URL** using a wildcard:



Figure 12. Setting the File name/URL field with a wildcard

The **File info** setting allows you to add a new field (or fields) with various file characteristics: name, path, and modification time.

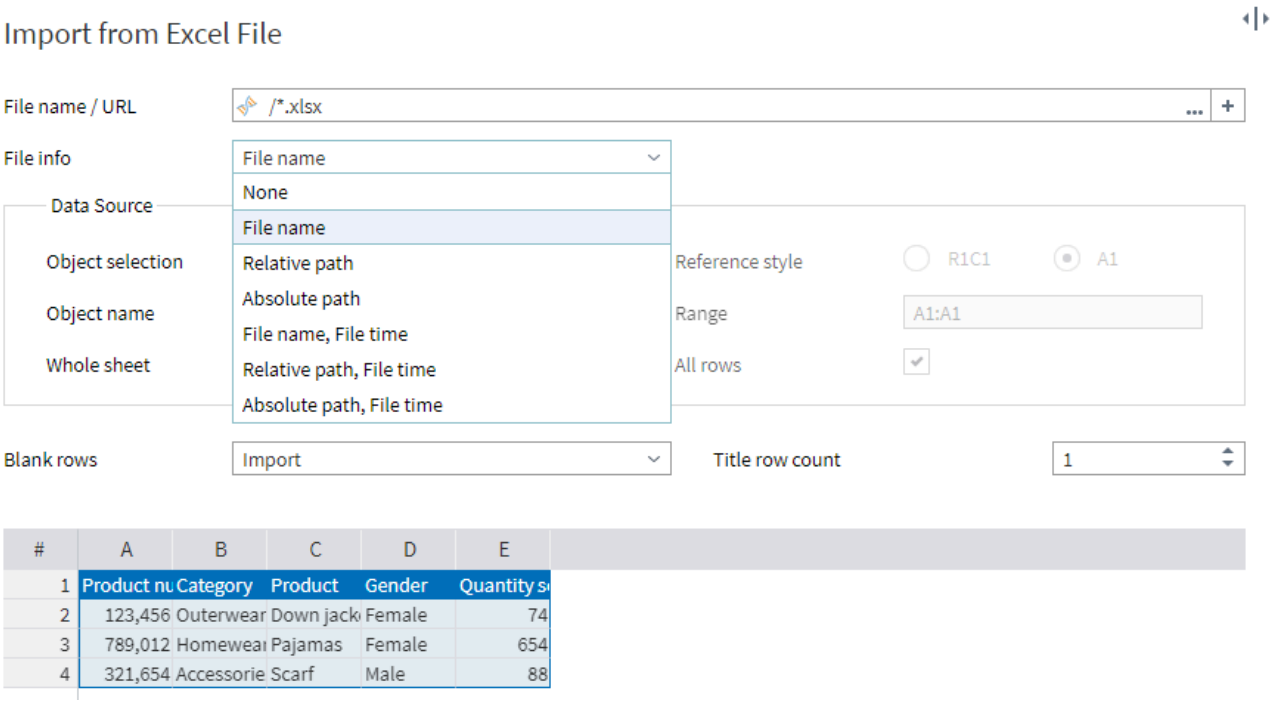


Figure 13. File information setting

At this step of the setup wizard, only the first file's data will be displayed. However, the settings on this page apply to all files you have selected for import.

The next page of the wizard displays data from all available files. However, note that the setup wizard can only display up to 200 rows of your file/files.

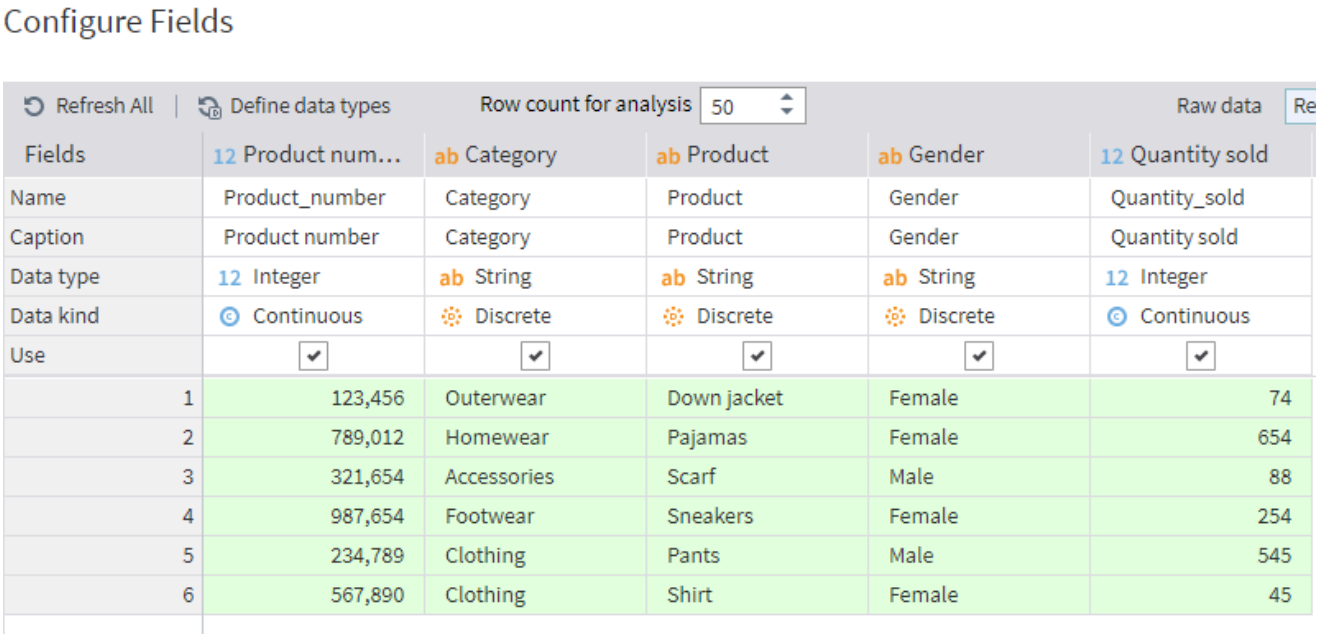
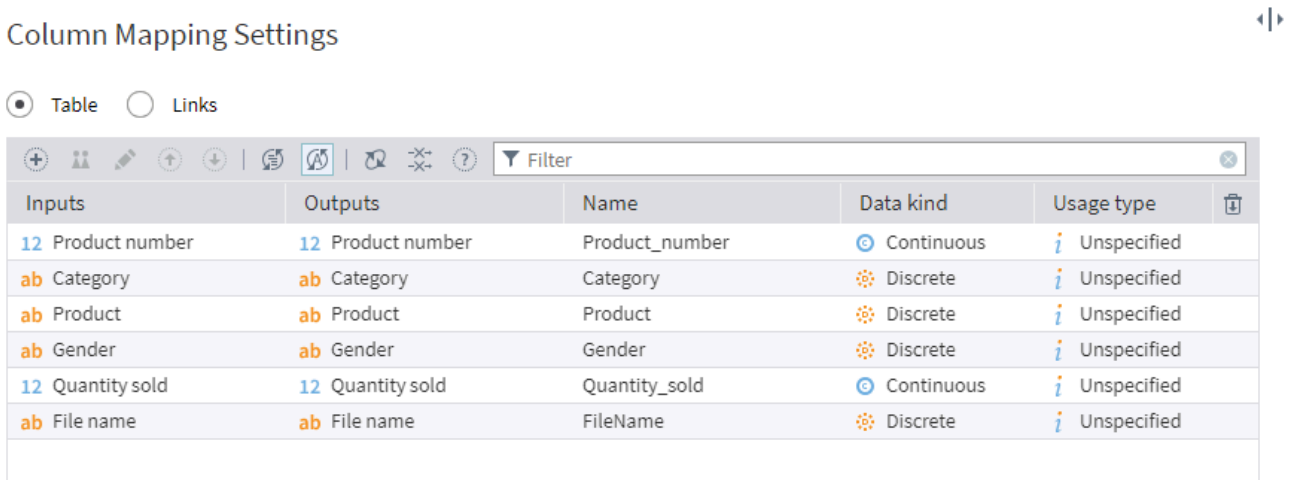


Figure 14. Displaying data at the Configure Fields page

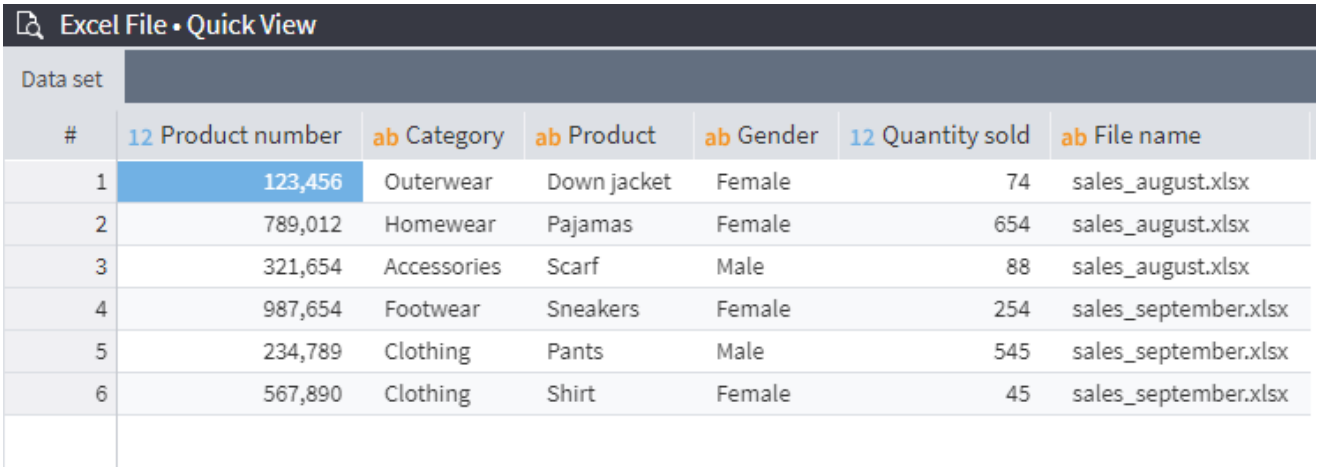
The third step of the setup wizard shows the columns selected for import. Here, you can change their order in the output set.



Inputs	Outputs	Name	Data kind	Usage type
12 Product number	12 Product number	Product_number	Continuous	Unspecified
ab Category	ab Category	Category	Discrete	Unspecified
ab Product	ab Product	Product	Discrete	Unspecified
ab Gender	ab Gender	Gender	Discrete	Unspecified
12 Quantity sold	12 Quantity sold	Quantity_sold	Continuous	Unspecified
ab File name	ab File name	FileName	Discrete	Unspecified

Figure 15. Column mapping

After you proceed through all wizard pages and run the node, it will read rows from all selected files in line with the specified settings. Here is the resulting dataset for our example:



#	12 Product number	ab Category	ab Product	ab Gender	12 Quantity sold	ab File name
1	123,456	Outerwear	Down jacket	Female	74	sales_august.xlsx
2	789,012	Homewear	Pajamas	Female	654	sales_august.xlsx
3	321,654	Accessories	Scarf	Male	88	sales_august.xlsx
4	987,654	Footwear	Sneakers	Female	254	sales_september.xlsx
5	234,789	Clothing	Pants	Male	545	sales_september.xlsx
6	567,890	Clothing	Shirt	Female	45	sales_september.xlsx

Figure 16. Resulting dataset

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