stambia
Innovative Solutions

Appendices - Additional exercises

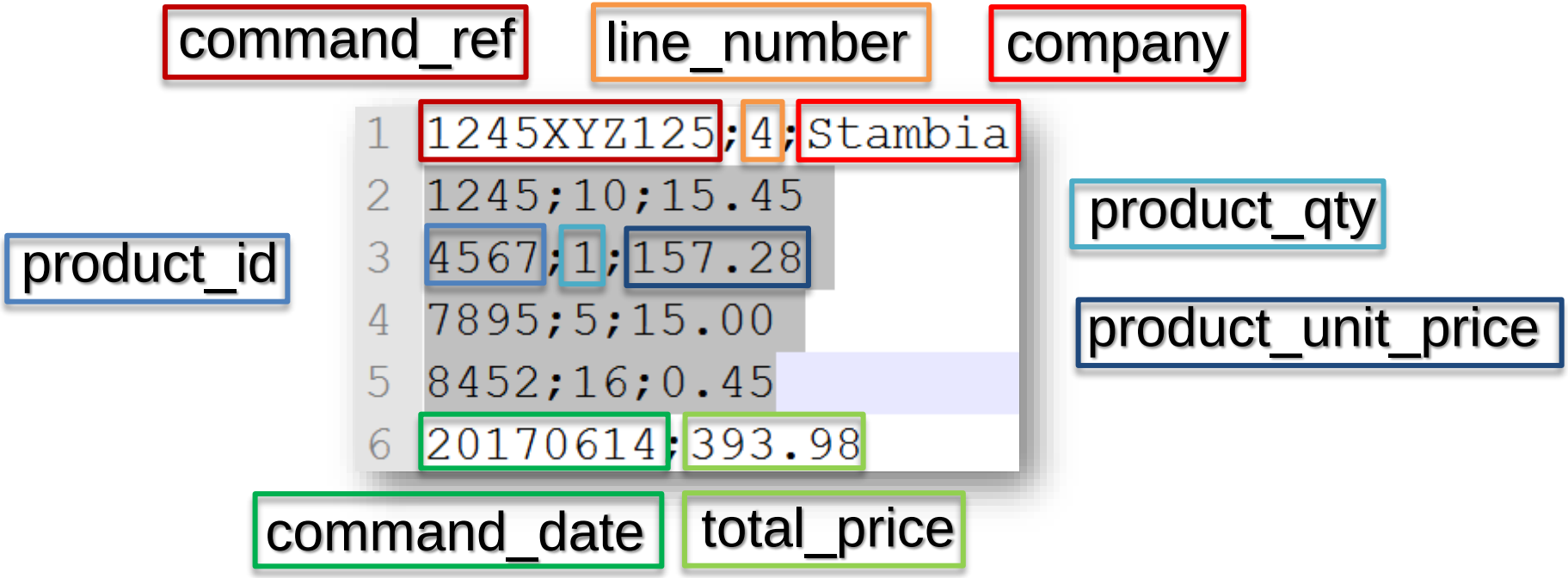
Add12 Split file

Related articles in Stambia.org

- http://www.stambia.org/doc/200-technology-articles/file/transformation-scripting/420-transformation-scripting
- http://www.stambia.org/doc/130-technology-articles/file/multirecord-files/432-reading-only-a-specifed-range-of-records

Split file - 1/11

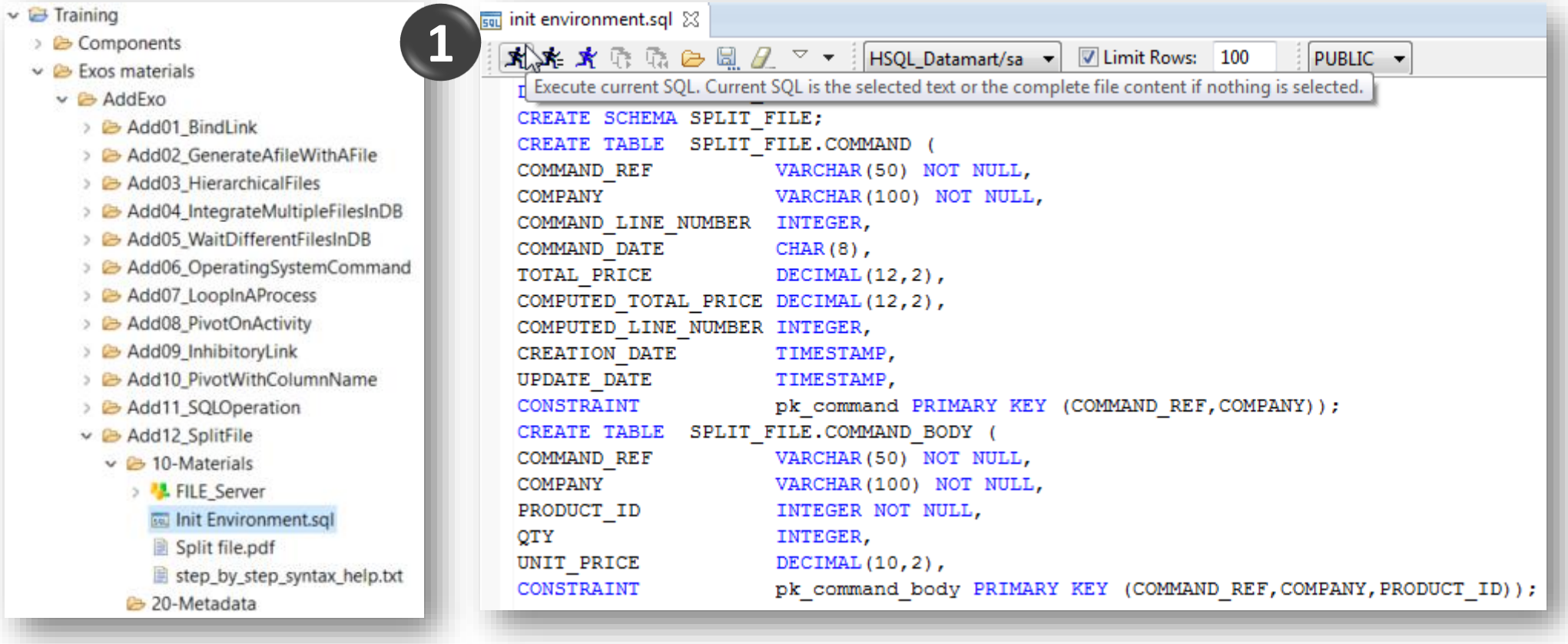
- The Objective is to be able to load in database a file that has header data in the first record, body data (n rows) and footer data on the last record



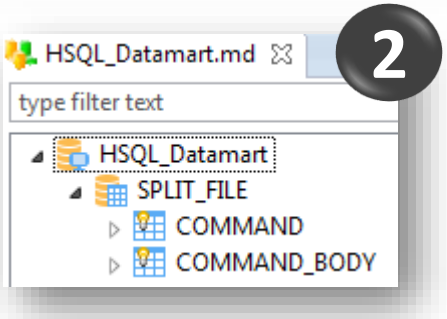
NEED HELP? Training/Exos materials/AddExo/Add12_.../step_by_step_syntax_help.txt

Split file - 2/11

- 1 - Execute the SQL file (Init Environment.sql) on DATAMART connection to create the required schema and tables

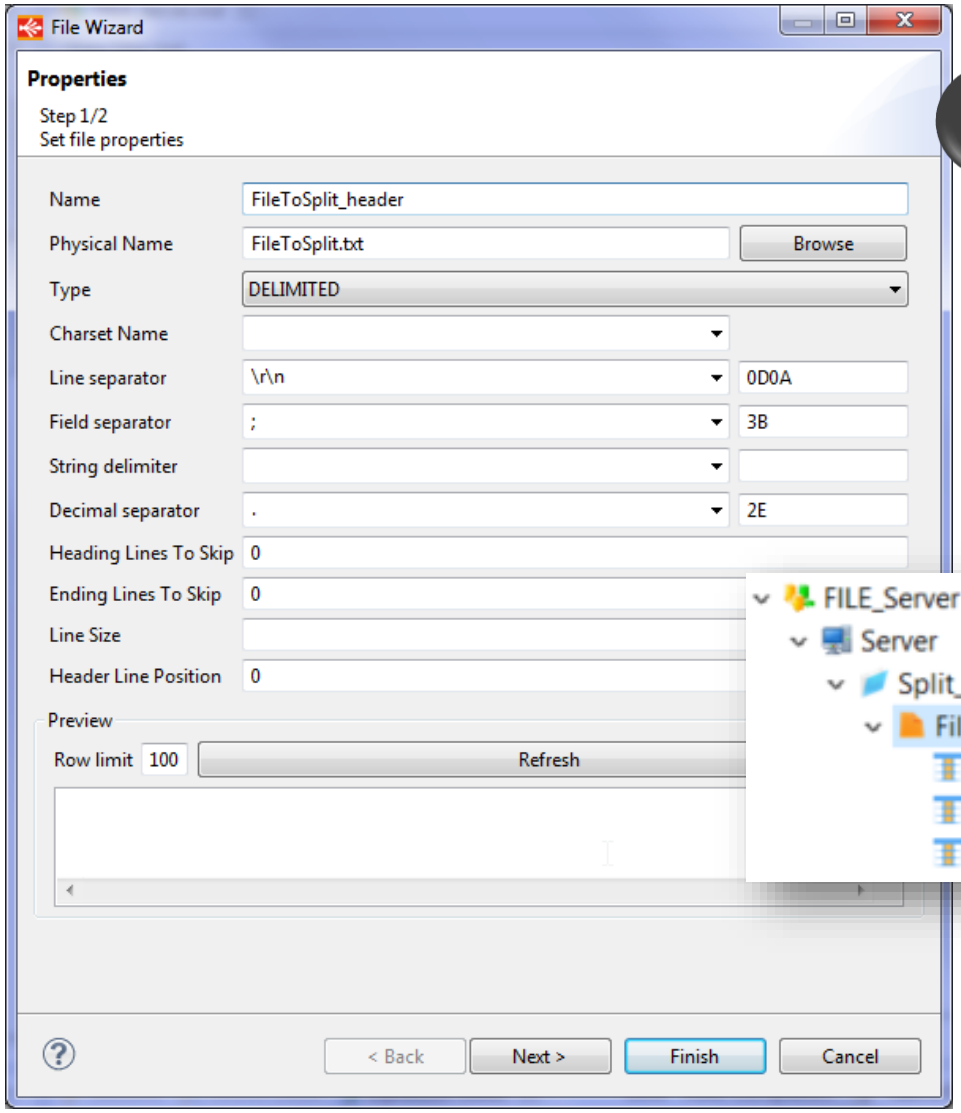


- 2 - Reverse the schema and the tables

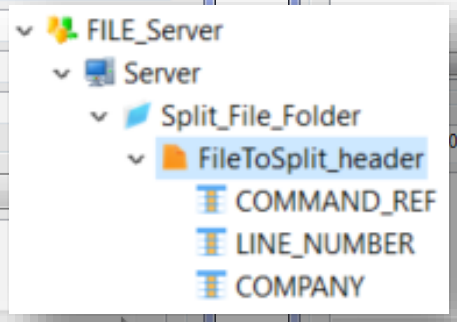


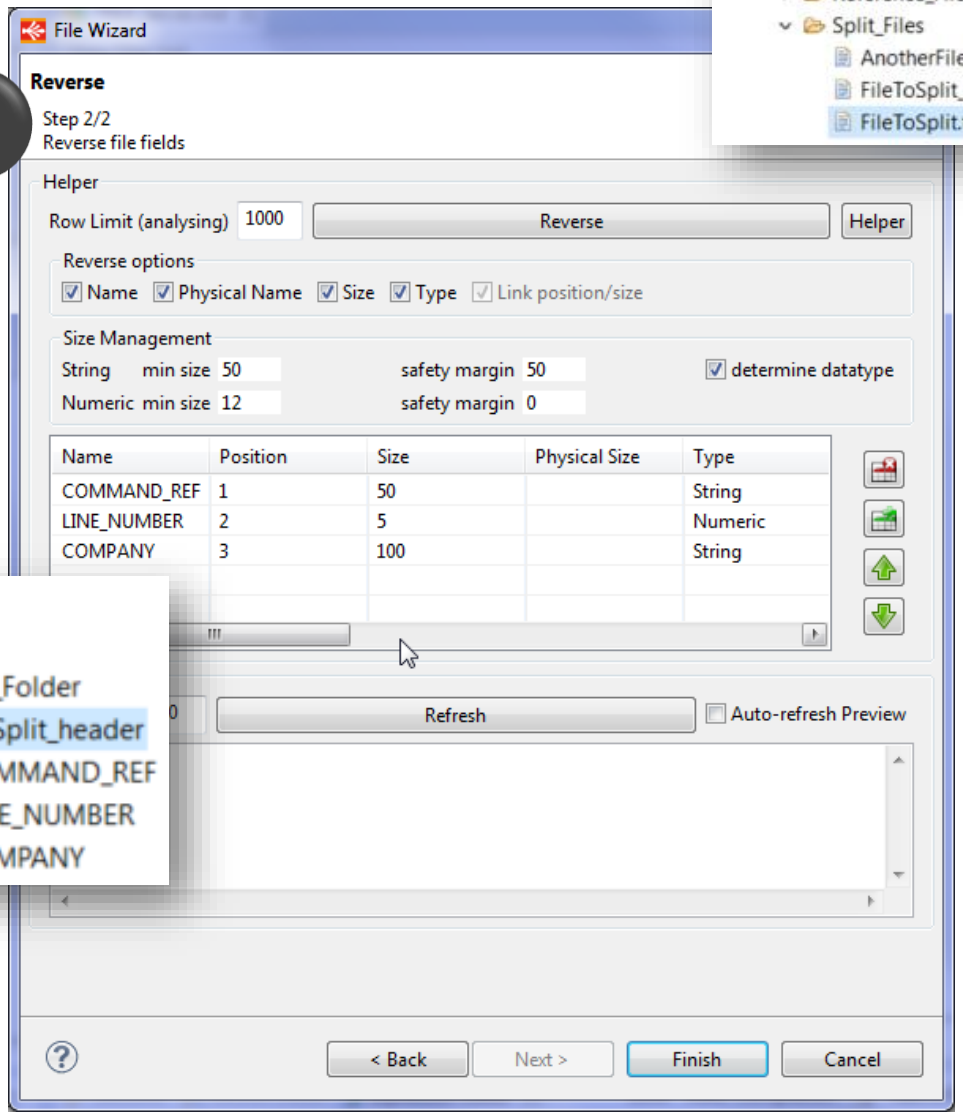
Split file - 3/11

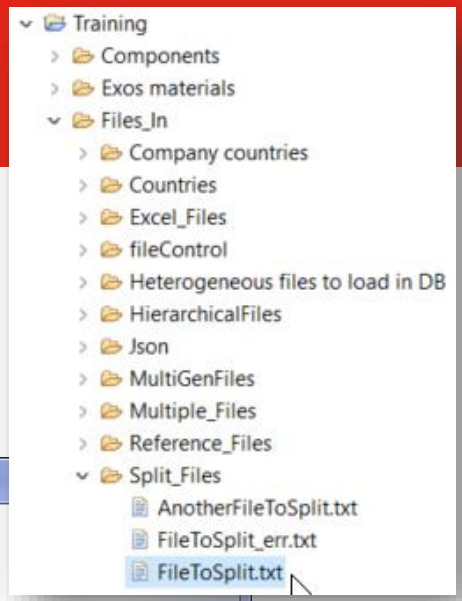
- 3 - Reverse a first time the file (FileToSplit.txt)
  - Define the 3 columns



3

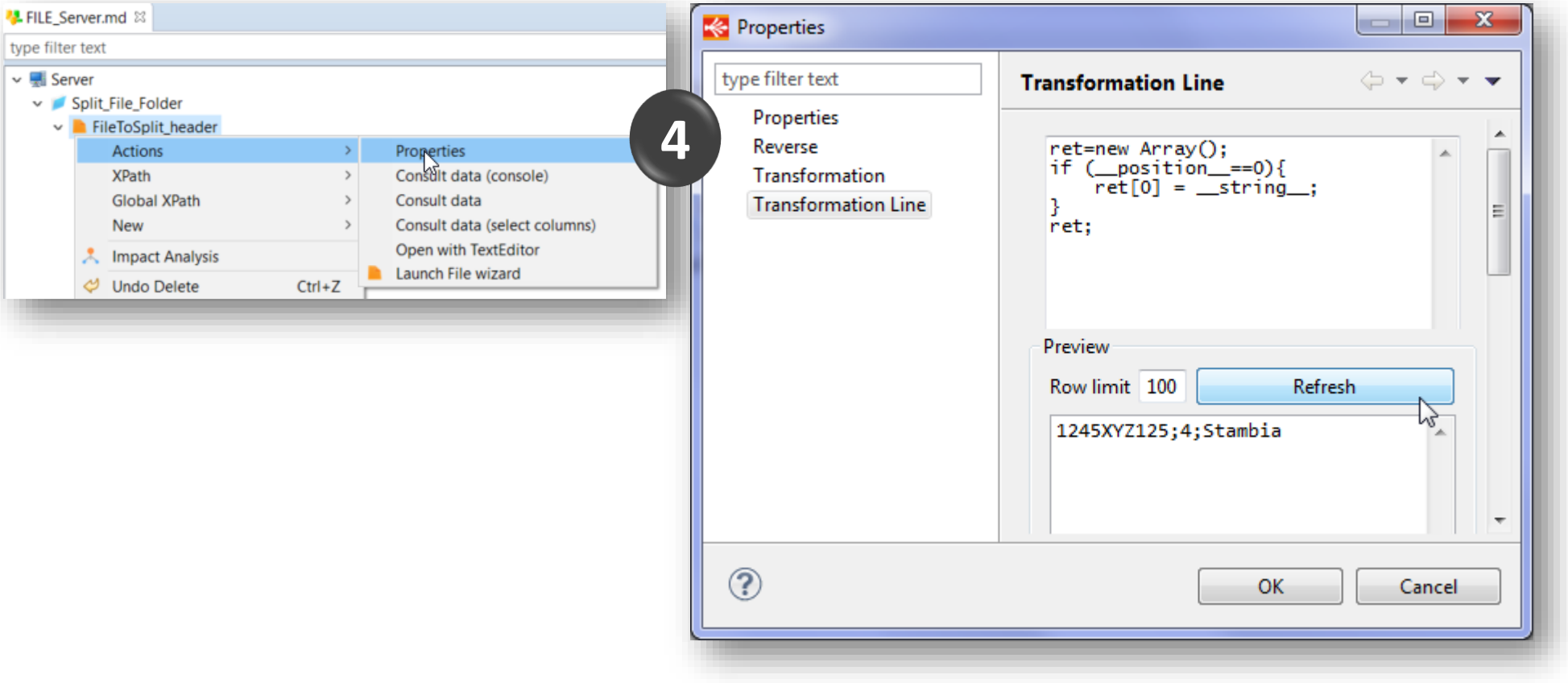






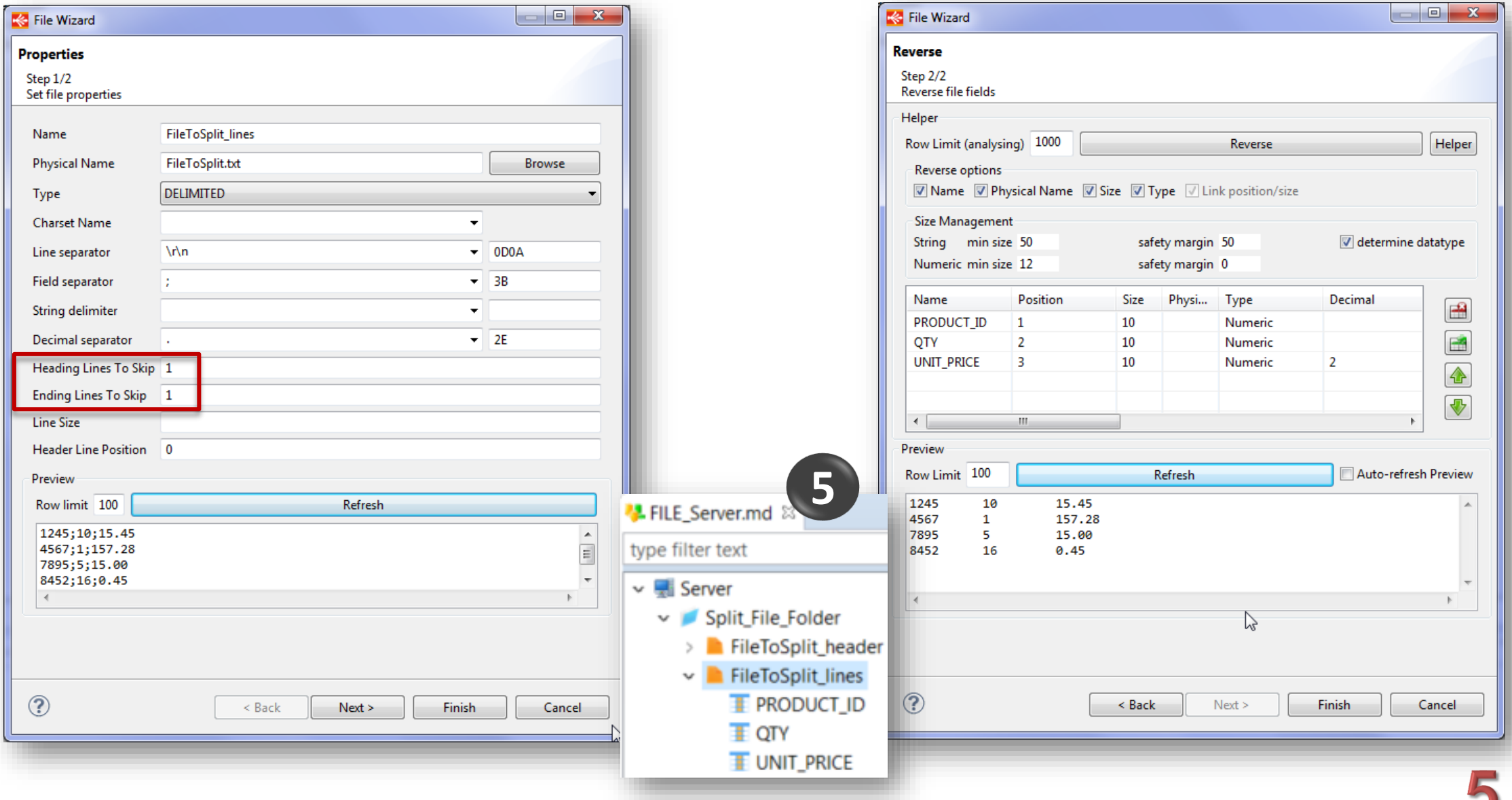
Split file - 4/11

- 4 - Right click on the file, action > Properties
  - Add the following JavaScript code in Transformation Line to select only the first line
  - Push on Refresh button to check the result



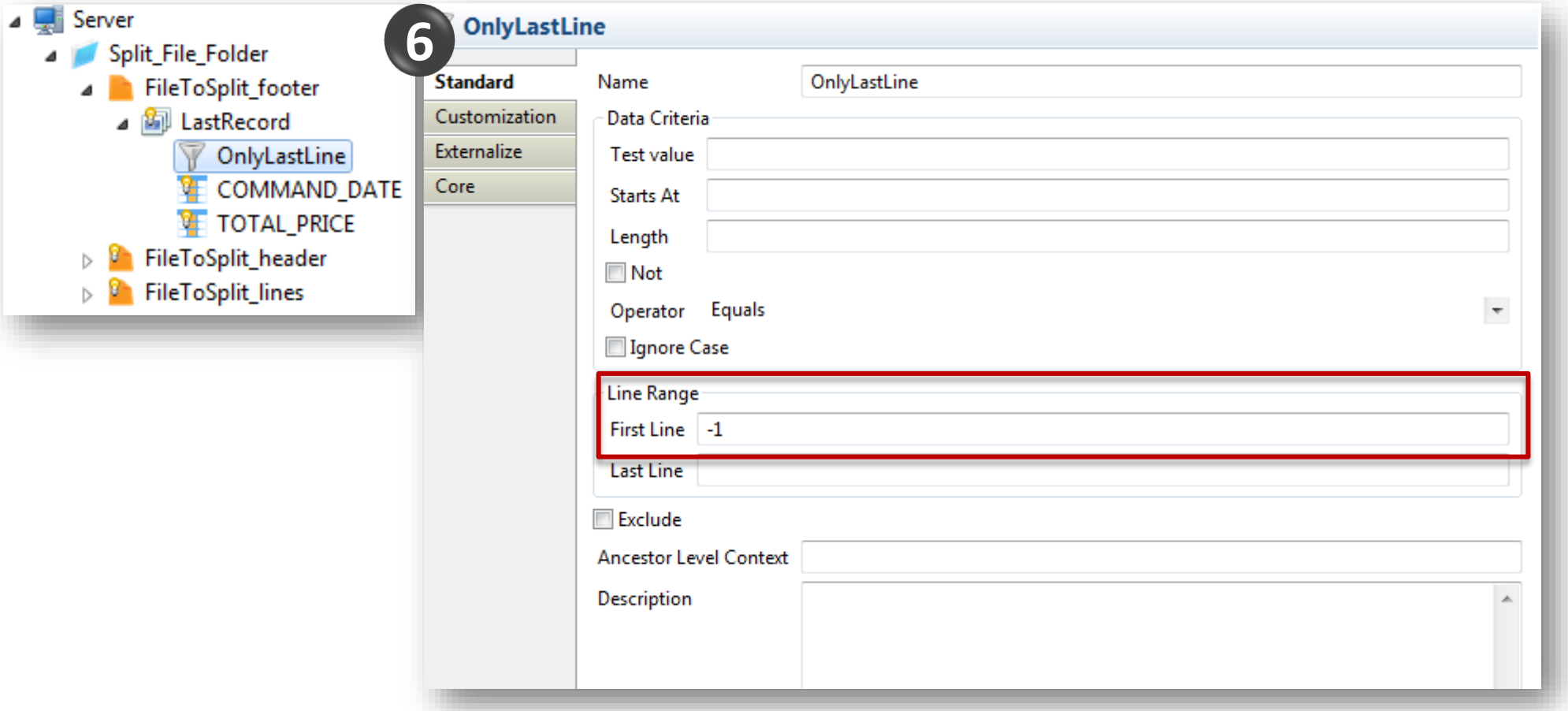
Split file - 5/11

- 5 - Reverse a second time the file (a new file hit) and define the 3 columns



Split file - 6/11

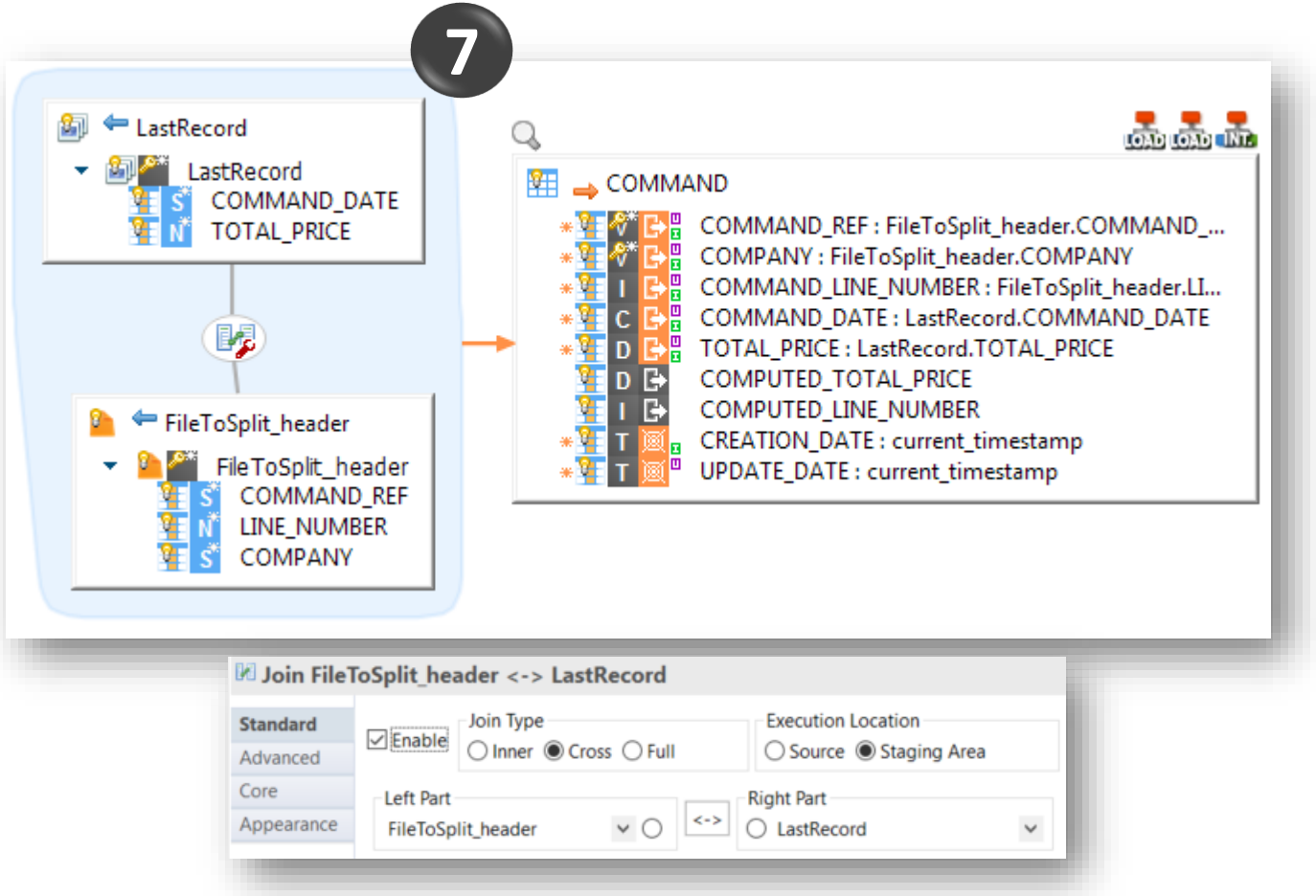
- 6 - Reverse a 3rd time the file (a new file hit) and define the 2 columns
  - Add a record named “LastRecord”
  - Add a filter under the record and set First Line property to “-1” value on Line Range
    - Means that the file will begin at the last line



Split file - 7/11

7 - Create a mapping to load data in database

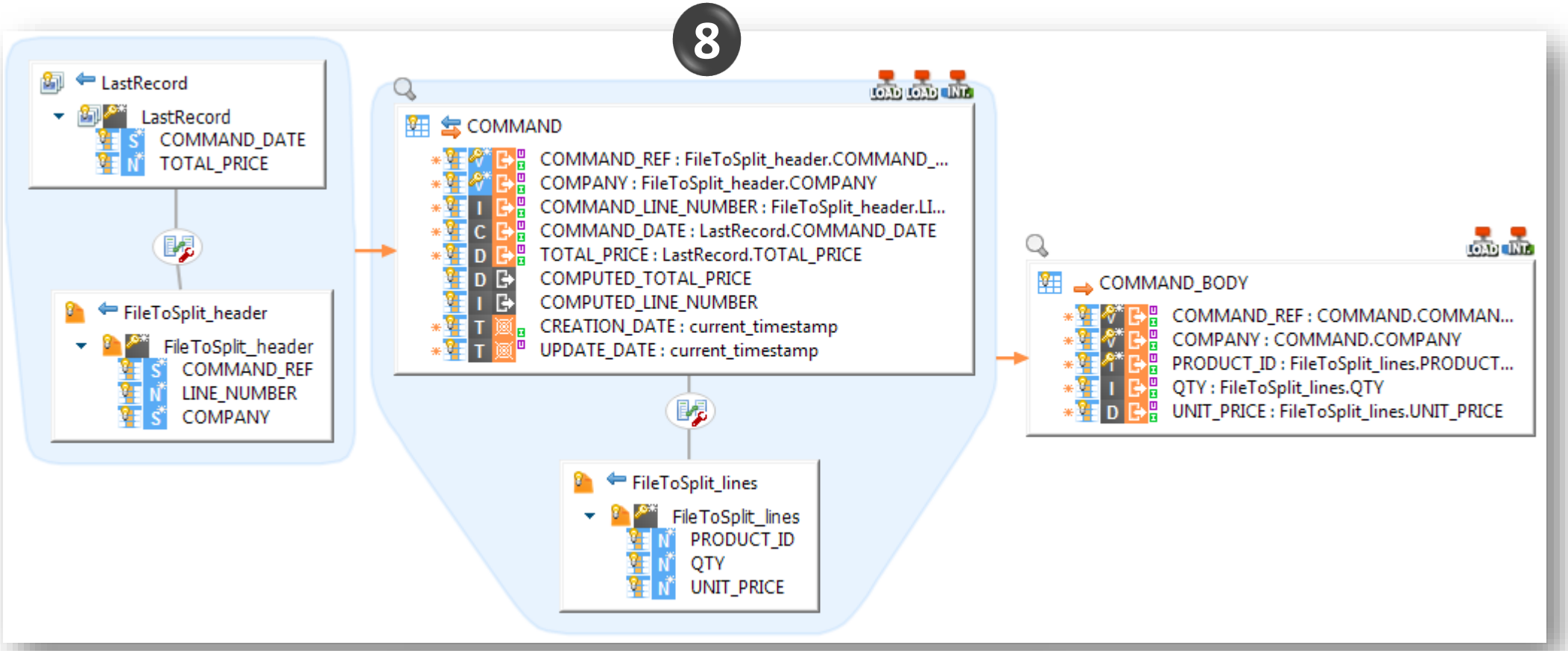
- Do a cross join between header file and last record to load COMMAND table

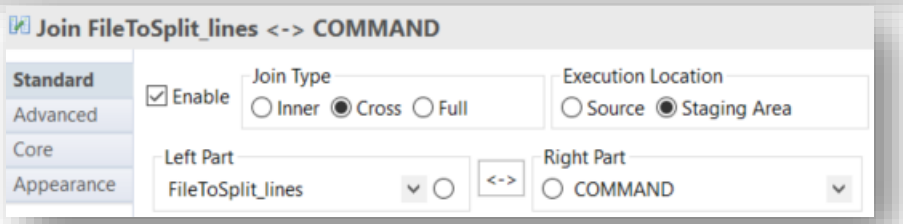


Split file - 8/11

8 - Update the mapping to load COMMAND_BODY table

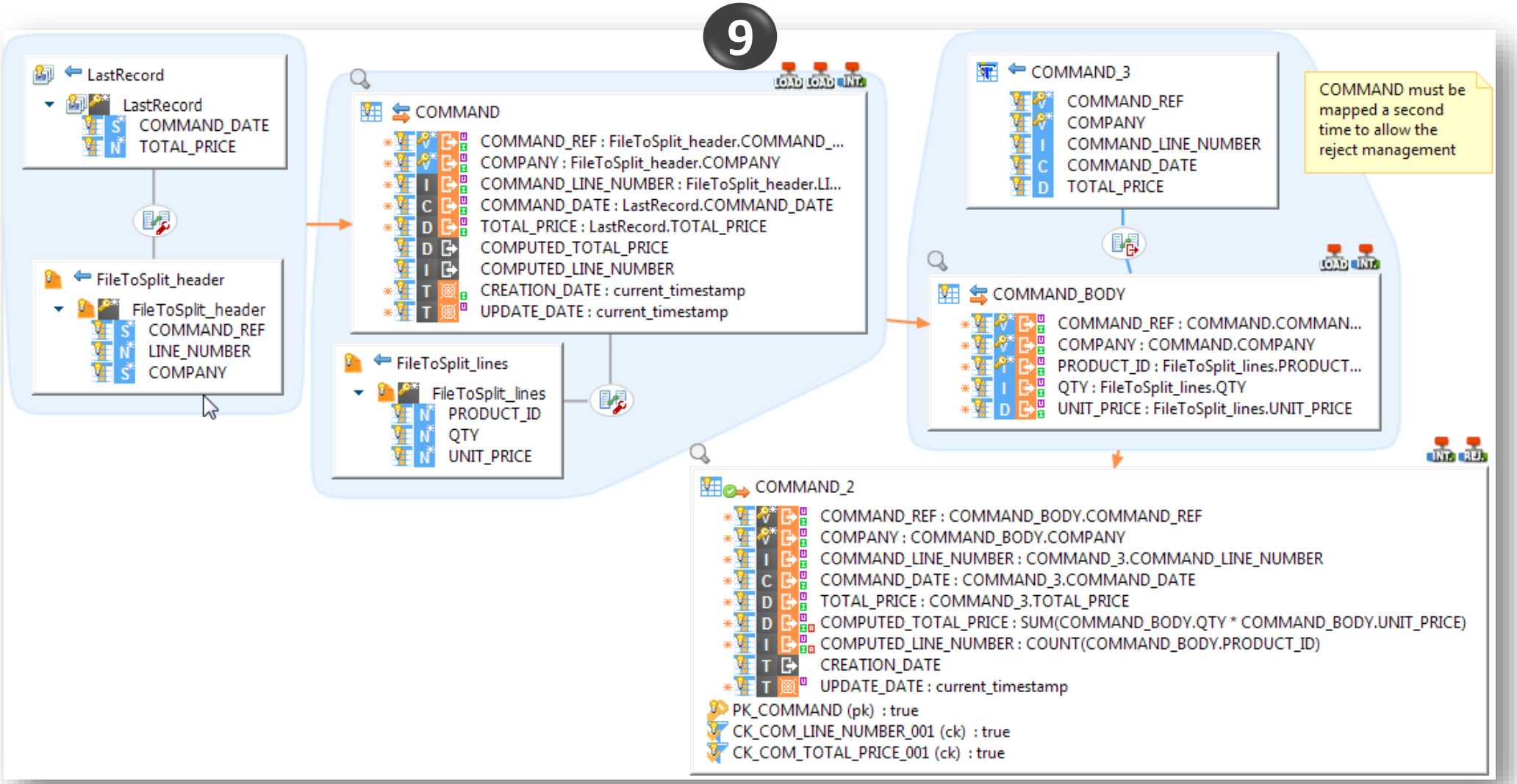
- Do a cross join between lines file and COMMAND table





Split file - 9/11

- 9 - Update the mapping to check the COMMAND table (rejects)
  - Create two conditions
  - Compute TOTAL_PRICE and LINE_NUMBER



Split file - 10/11

- The result for the two tables:

```
select * from SPLIT_FILE.COMMAND
```

[select * from SPLIT_FI...] | Messages

COMMAND_REF	COMPANY	COMMAND_LINE_NUMBER	COMMAND_DATE	TOTAL_PRICE	COMPUTED_TOTAL_PRICE	COMPUTED_LINE_NUMBER	CREATION_DATE	UPDATE_DATE
1245XYZ125	Stambia	4	20170614	393,98	393,98	4	2017-06-15 10:14:33:662	2017-06-15 10:14:33:794

```
select * from SPLIT_FILE.COMMAND_BODY
```

[select * from SPLIT_FI...] | Messages

COMMAND_REF	COMPANY	PRODUCT_ID	QTY	UNIT_PRICE
1245XYZ125	Stambia	1245	10	15,45
1245XYZ125	Stambia	4567	1	157,28
1245XYZ125	Stambia	7895	5	15,00
1245XYZ125	Stambia	8452	16	0,45

- And with the error file (FileToSplit_err.txt) :

```
select * from SPLIT_FILE.R_COMMAND
```

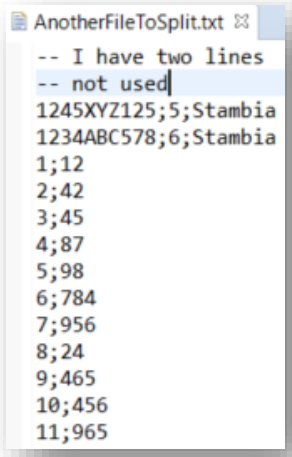
[select * from SPLIT_FI...] | Messages

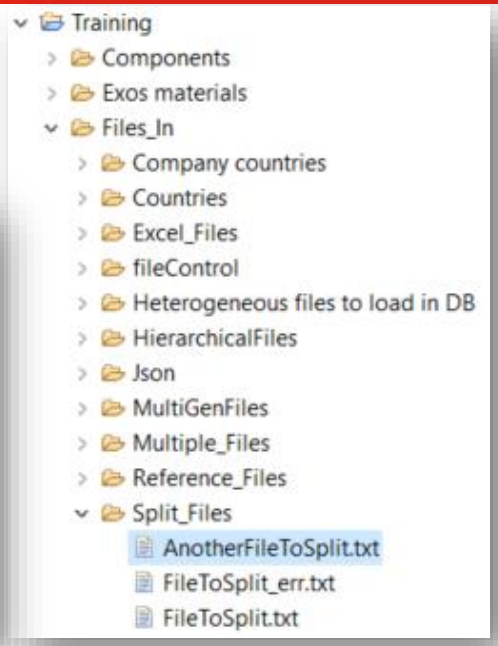
SESSION_ID	REJECT_MODE	REJECT_MESSAGE	REJECT_CODE	REJECTED_BY	RULE_NAME	RULE_TYPE	RULE_SEVERITY	REJECT_DATE
ac140a02015cabbb18e0fcc0106ae42c	F	Price issue	COM_001	Split files and load data in DB (_BFc5cFGdEee7Oa2LiZLdYA)	CK_COM_TOTAL_PRICE_001	CK	REJECT	2017-06-15 14:29:45:565
ac140a02015cabbb18e0fcc0106ae42c	F	Line number issue	COM_002	Split files and load data in DB (_BFc5cFGdEee7Oa2LiZLdYA)	CK_COM_LINE_NUMBER_001	CK	REJECT	2017-06-15 14:29:45:571

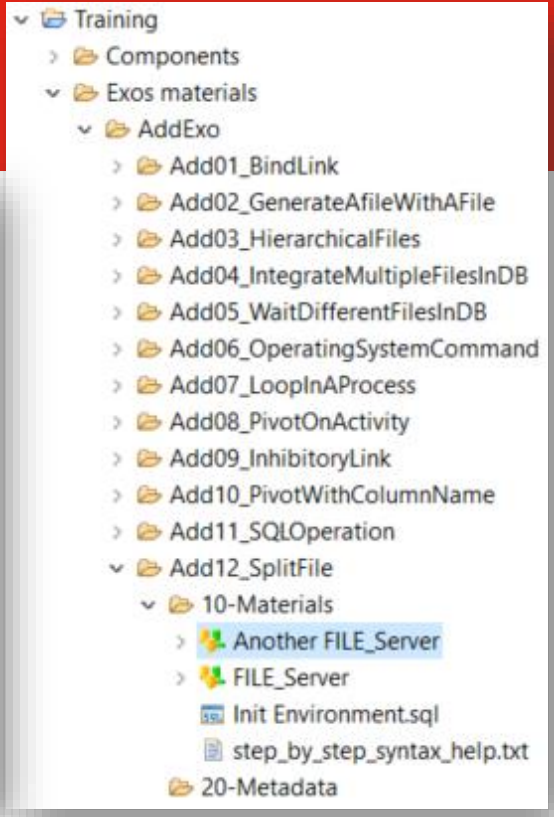
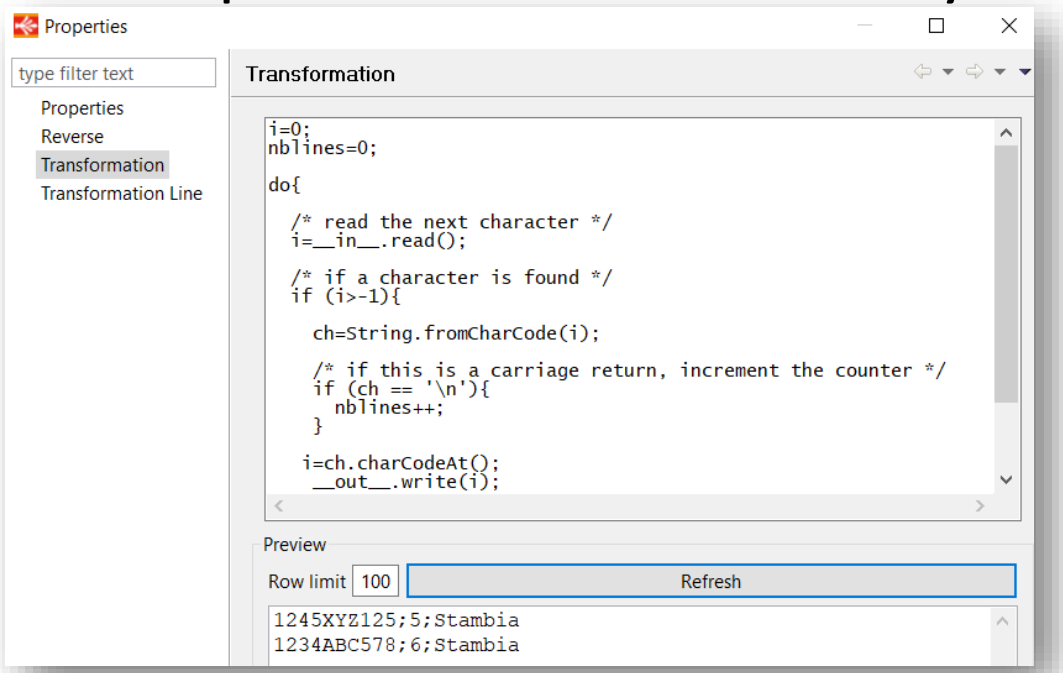
COMMAND_REF	COMPANY	COMMAND_LINE_NUMBER	COMMAND_DATE	TOTAL_PRICE	COMPUTED_TOTAL_PRICE	COMPUTED_LINE_NUMBER
1245XYZ125	Stambia	5	20170614	400,00	393,98	4
1245XYZ125	Stambia	5	20170614	400,00	393,98	4

Split file - 11/11

- You can also check another metadata already defined :







- And consult the transformation expression to retreave only the line 3 and 4 with 2 lines to skip :