

## Add04 Integrate Multiple files in DB



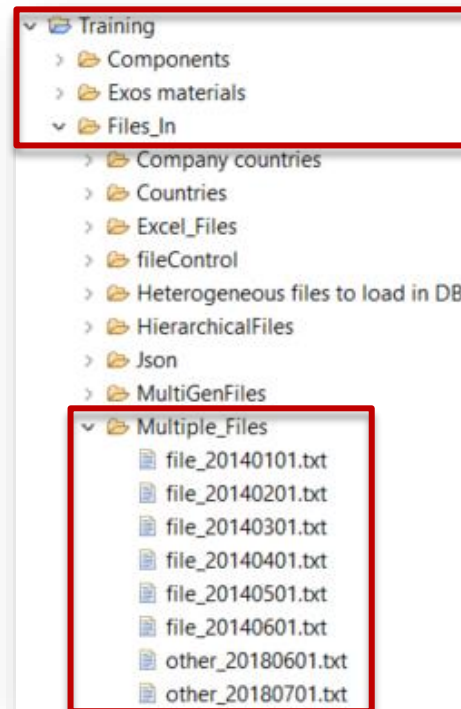
A related article in Stambia.org

- <http://stambia.org/doc/132-technologies/file/flat-files/246-using-file-properties>

## ❖ Context

- A set of files
  - with the same structure
  - in a defined folder

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file\_20140101.txt ⌕

```
id;lastname;firstname
11;Smith;Stephen
12;Gordon;John
```

file\_20140101.txt ⌕ file\_20140201.txt ⌕

```
id;lastname;firstname
21;Bentley;Kieron
22;Gold;Clara
23;Fentigton;Jamie
```

file\_20140301.txt ⌕

```
id;lastname;firstname
31;Bond;Lara
```

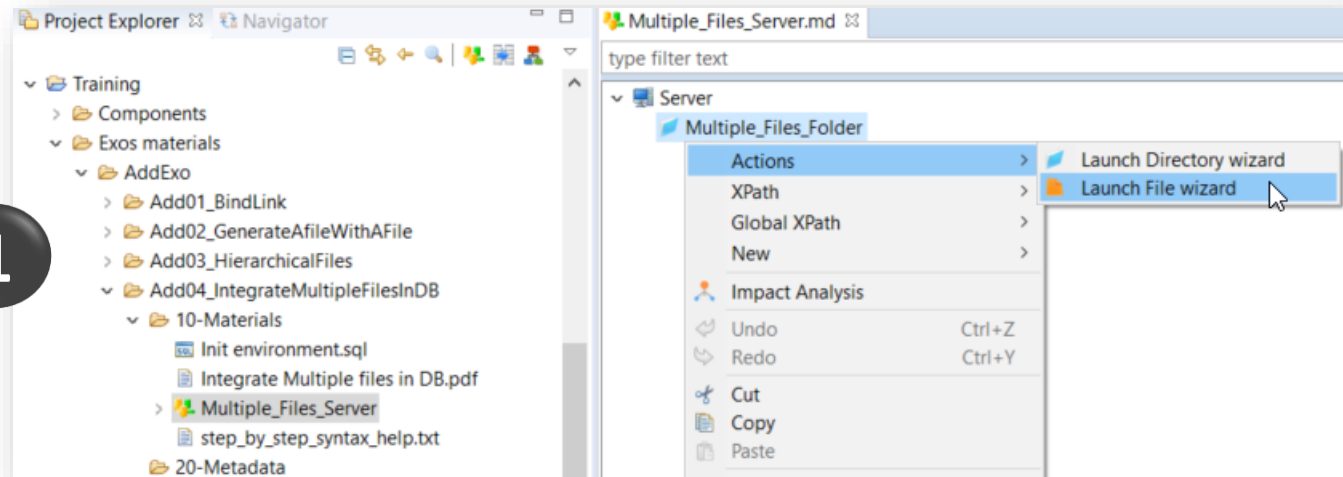
- A table in a schema to store the content of the files in Datamart database

```
CREATE SCHEMA LOAD_FILES;

CREATE TABLE LOAD_FILES.DATA_FILE
(
    id_record    INTEGER GENERATED BY DEFAULT AS IDENTITY PRIMARY KEY,
    file_id      INTEGER,
    last_name    VARCHAR(100),
    first_name   VARCHAR(100),
    file_name    VARCHAR(100),
    file_date    CHAR(8),
    update_date  TIMESTAMP);
```

## ❖ 1 – Use the FILE server metadata

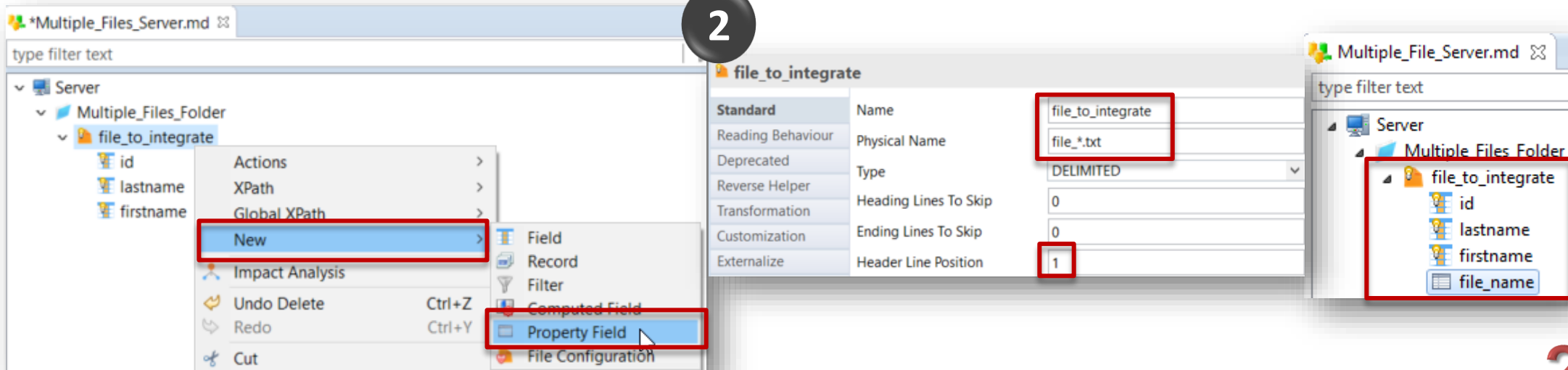
1



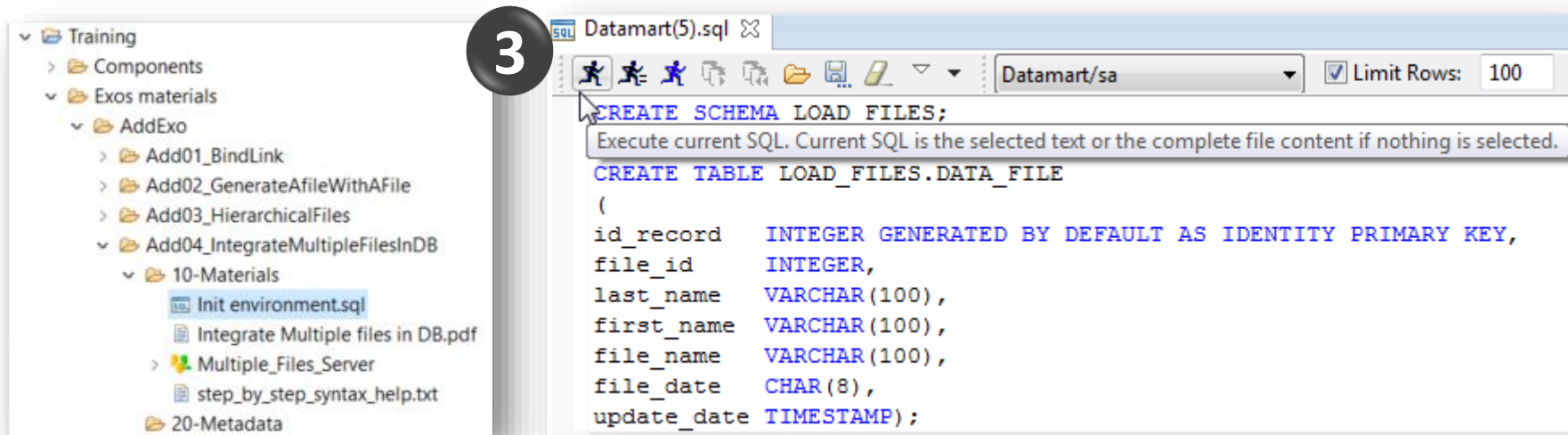
## ❖ 2 - Reverse one of the 6 files and rename it “file\_to\_integrate”

- add a joker in the Physical Name
- add the property field named “file\_name”

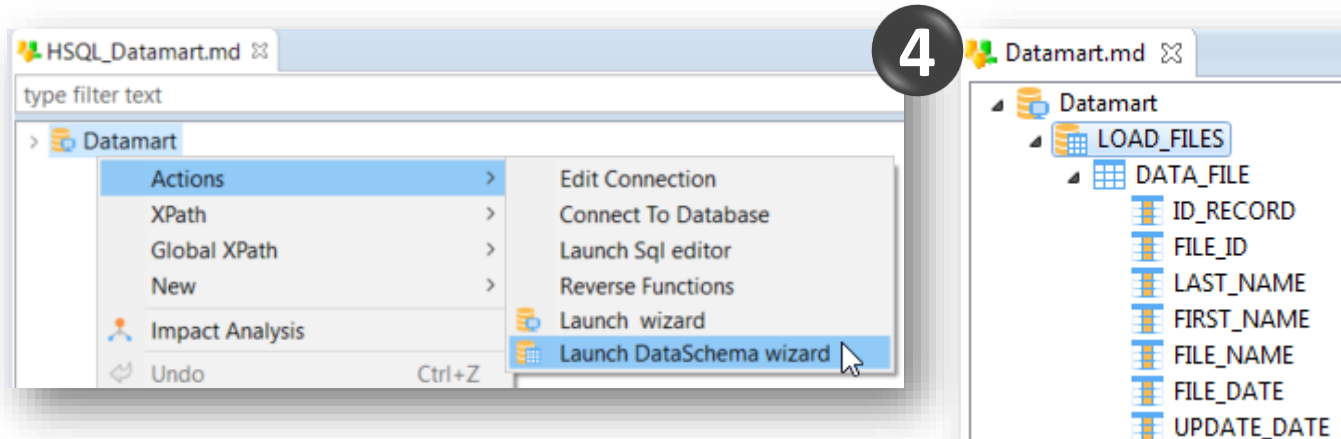
2



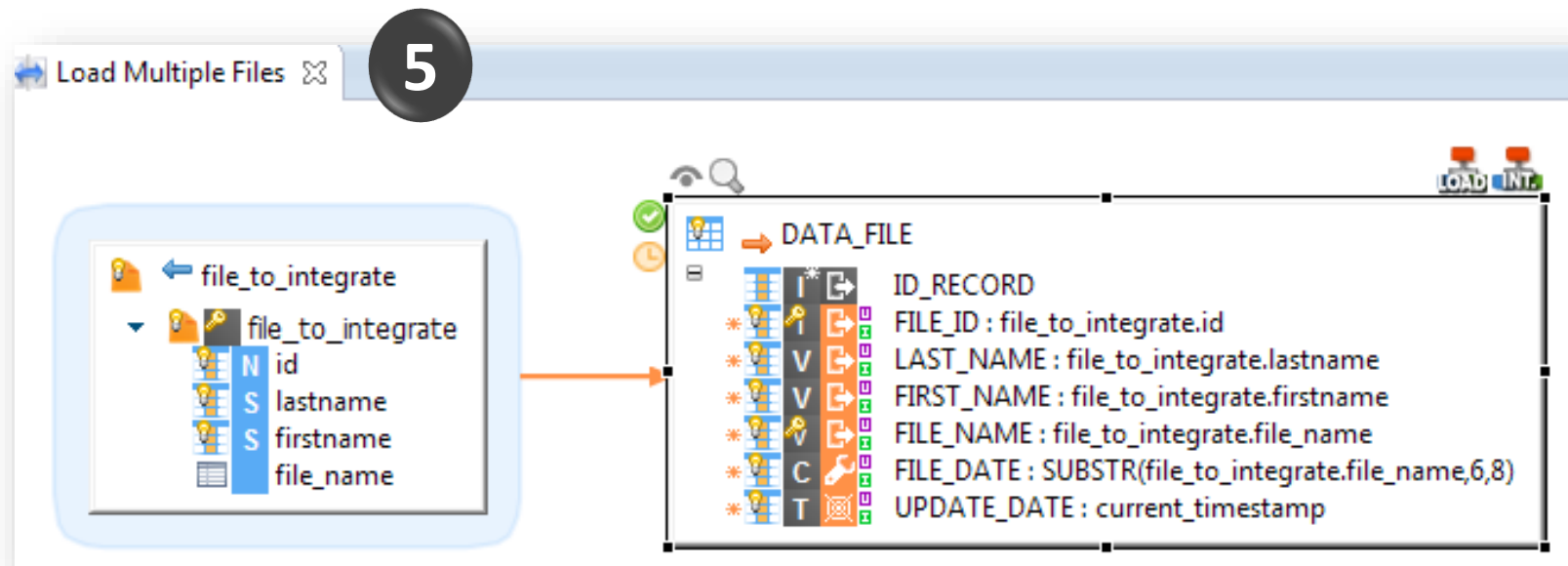
- ❖ 3 - Execute the SQL file (Init environment.sql) to create the required schema and table on a Datamart connection



- ❖ 4 - Reverse the schema and the table



- ❖ 5 - Create the mapping to load files in Database
  - Complete the target fields



## ❖ 6 – Discover the result :

6

SQL DATA\_FILE(9).sql

Datamart/sa Limit Rows: 100

```
select * from LOAD_FILES.DATA_FILE
```

1 [select \* from LOAD\_FILES.DATA\_FILE] Messages

ID_RECORD	FILE_ID	LAST_NAME	FIRST_NAME	FILE_NAME	FILE_DATE	UPDATE_DATE
0	11	Smith	Stephen	file_20140101.txt	20140101	2015-11-12 14:42:48:763
1	12	Gordon	John	file_20140101.txt	20140101	2015-11-12 14:42:48:763
2	21	Bentley	Kieron	file_20140201.txt	20140201	2015-11-12 14:42:49:493
3	22	Gold	Clara	file_20140201.txt	20140201	2015-11-12 14:42:49:493
4	23	Fentigton	Jamie	file_20140201.txt	20140201	2015-11-12 14:42:49:493
5	31	Bond	Lara	file_20140301.txt	20140301	2015-11-12 14:42:50:241
6	41	Goldsmith	Ciara	file_20140401.txt	20140401	2015-11-12 14:42:50:966
7	42	Geltish	Patrick	file_20140401.txt	20140401	2015-11-12 14:42:50:966
8	43	Tolvich	Chris	file_20140401.txt	20140401	2015-11-12 14:42:50:966
9	44	Timburg	Vanessa	file_20140401.txt	20140401	2015-11-12 14:42:50:966
10	51	Geldosh	Jim	file_20140501.txt	20140501	2015-11-12 14:42:51:722
11	52	Shodwell	Samantha	file_20140501.txt	20140501	2015-11-12 14:42:51:722
12	61	Hollow	Stuart	file_20140601.txt	20140601	2015-11-12 14:43:44:951