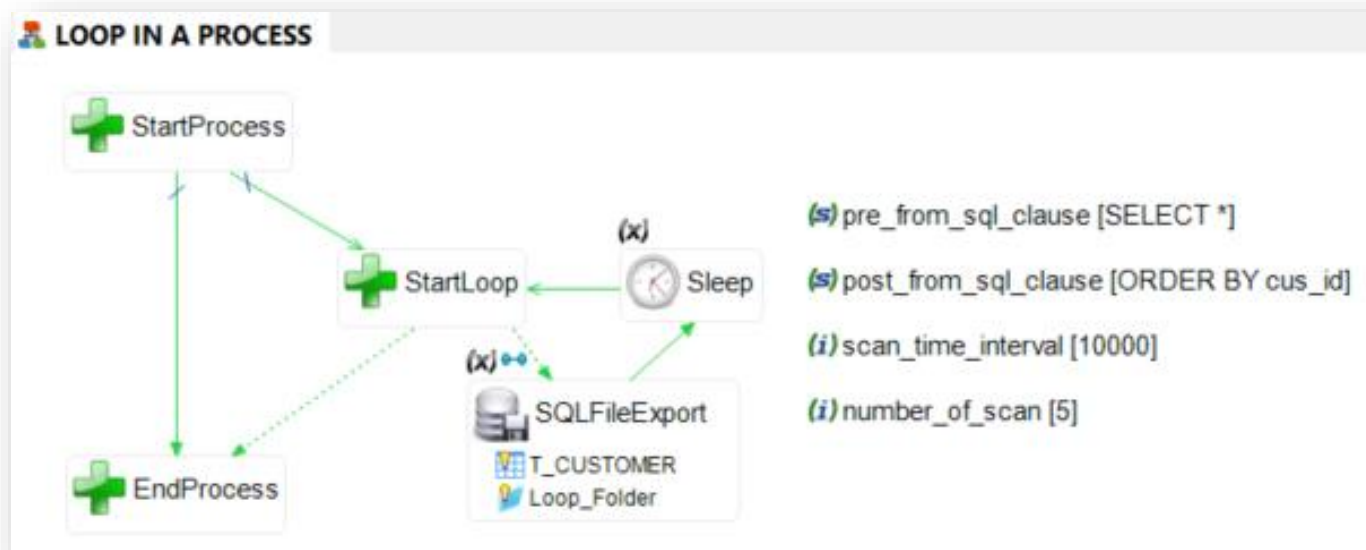


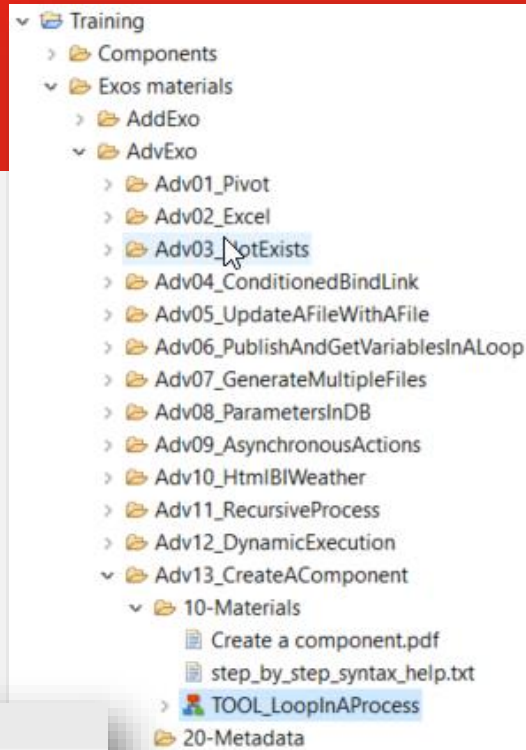
**Appendices -  
Advanced exercises**

# **ADV13 Create a component**

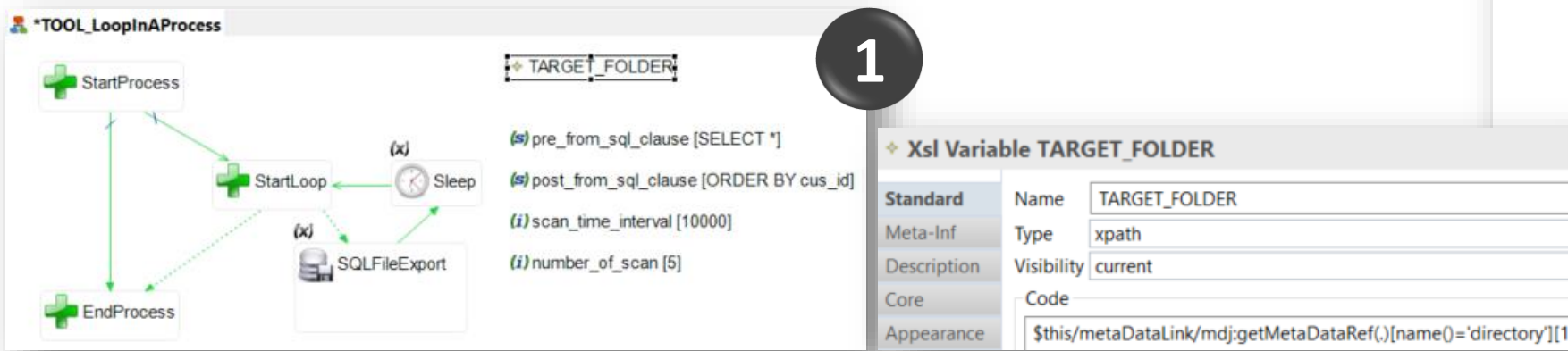
- ❖ Context : Develop a component based on the additional exercise named “Loop in a process”
  - In the previous exercise, you developped a process to scan a defined table (T\_CUSTOMER) and generate a csv file in a defined folder (Loop\_Folder) :



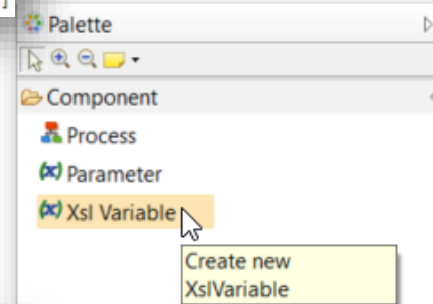
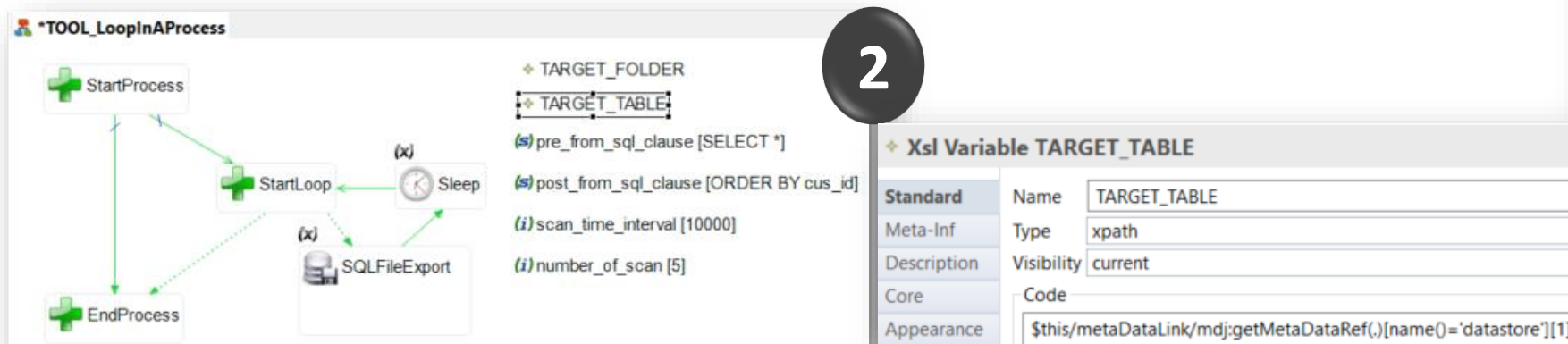
- The evolution is to create a component that will
  - scan a table dropped on it
  - generate the result files in a folder dropped on it



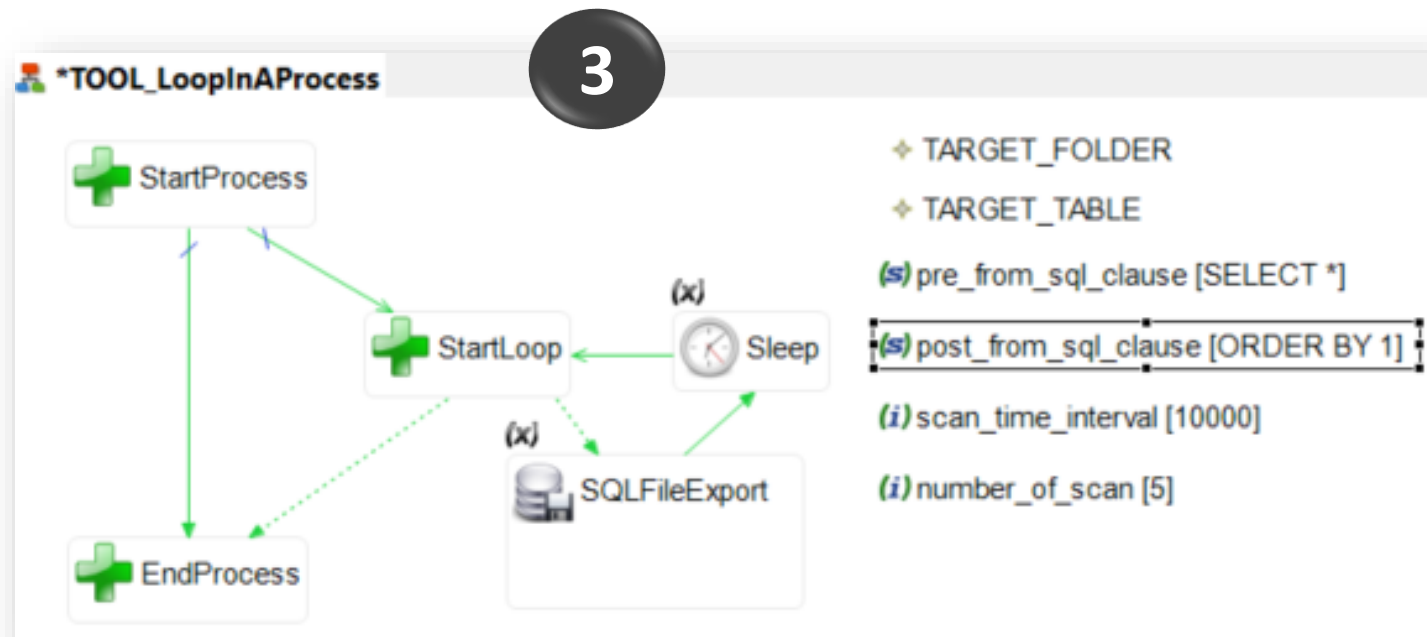
- ❖ Use the process available in your resources
  - It's a copy of Loop in a process without metadata links
- ❖ 1 - Create a xsl variable (xpath type) to catch the first directory dropped on the process



- ❖ 2 - Do the same to catch the first datastore (table)



- ❖ 3 - Change the value of the “post\_from\_sql\_clause” to “ORDER BY 1” to be compatible by default with all the datastores



- ❖ 4 - Modify the expression Editor and the properties of the SQLFileExport action to use the two XPATH variables

Sessions Session Detail Expression Editor

```

1 ${../pre_from_sql_clause}$
2 FROM %x{$TARGET_TABLE/tech:physicalPath()}x%
3 ${../post_from_sql_clause}$
    
```

✦ TARGET\_FOLDER  
 ✦ TARGET\_TABLE  
 (s) pre\_from\_sql\_clause [SELECT \*]  
 (s) post\_from\_sql\_clause [ORDER BY 1]  
 (i) scan\_time\_interval [10000]  
 (i) number\_of\_scan [5]

4

**Action Code SQLFileExport**

Name: SQLFileExport ☒ Enable ☐ Errors Accepted

<input type="checkbox"/> <a href="#">Sql Exp File Append</a>	<input type="checkbox"/> <a href="#">Sql Exp Generate If Empty</a>
<input checked="" type="checkbox"/> <a href="#">Sql Exp Generate Header</a>	<input type="checkbox"/> <a href="#">Sql Exp Add Record Number</a>
<input checked="" type="checkbox"/> <a href="#">Sql Exp Boolean As Numeric</a>	<input type="checkbox"/> <a href="#">Sql Exp Absolute Numeric</a>
<input type="checkbox"/> <a href="#">Sql Exp Row Sep On Last Row</a>	<input type="checkbox"/> <a href="#">Sql Exp Use Numeric Grouping Char</a>
<input checked="" type="checkbox"/> <a href="#">Sql Exp Row Sep On First Row When Append</a>	<input type="checkbox"/> <a href="#">Sql Exp Enclose All Fields</a>

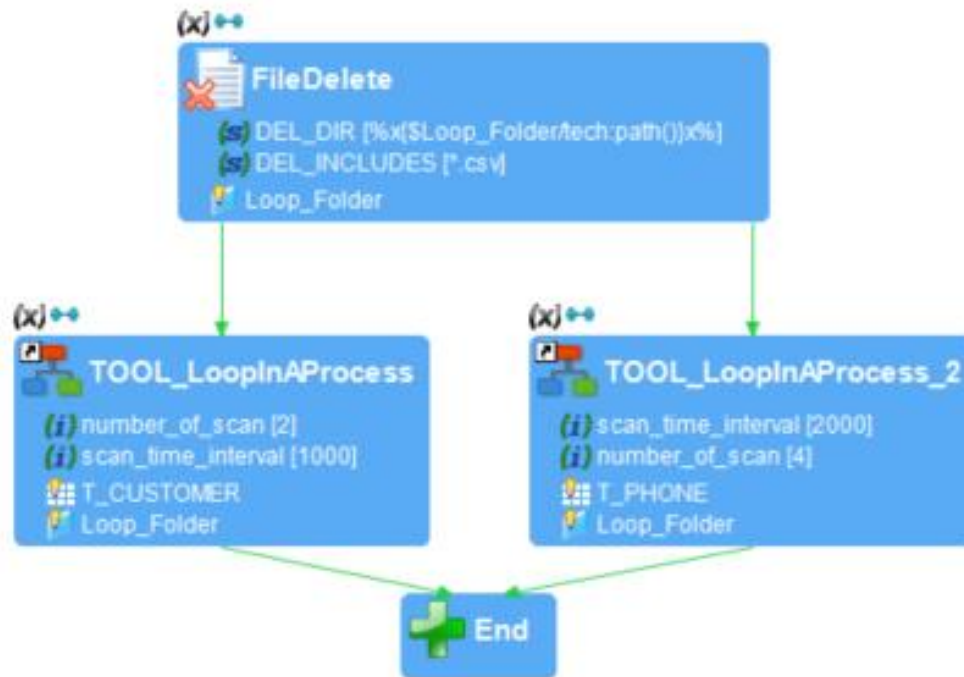
Sql Exp Filename	%x{\$TARGET_FOLDER/tech:path()}x%/Query %x{\$TARGET_TABLE/tech:physicalName()}x% number\${../Start}
<a href="#">Sql Connection</a>	%targetConnection(\$TARGET_TABLE)%



## ❖ 5 - Create a process to test the component on different tables

5

\*TEST TOOL LOOP IN A PROCESS



- Training
  - Components
  - Exos materials
  - Files\_In
  - Files\_Out
    - ActivityGenerator
    - AsynchronousAction
    - Bind
    - ComplexQuery
    - GenerateAlert
    - HierarchicalFiles
  - html
  - Json
  - Loop
    - Query T\_CUSTOMER number1.csv
    - Query T\_CUSTOMER number2.csv
    - Query T\_PHONE number1.csv
    - Query T\_PHONE number2.csv
    - Query T\_PHONE number3.csv
    - Query T\_PHONE number4.csv

Query T\_CUSTOMER number1.csv

```

CUS_ID;TIT_CODE;CUS_LAST_NAME;CUS_FIRST_NAME;CUS_COMPANY;CUS_BIRTH_DATE;SAL_ID
1;Mr;GIBBS;Jason;;1975/02/15 00:00:00.000;2
2;Mr;O'NEAL;Michael;Springfield Ltd;1967/03/03 00:00:00.000;3
3;Mr;JIMENEZ;Tony;;1958/05/27 00:00:00.000;1
4;Mr;HAMPTON;Lionel;;;2
5;Mr;SILL;Joel;;1984/11/08 00:00:00.000;3
6;Mr;CARTER;Rick;Buick;1979/12/16 00:00:00.000;1
7;Mr;BARTZ;Gary;;1973/09/22 00:00:00.000;2
8;Ms;REEVES;Diane;;1954/10/02 00:00:00.000;3
9;Mrs;JOHNSTON;Joanna;;1948/01/09 00:00:00.000;1
10;Mr;FINNERMAN;Martin;Bardahl Manufacturing Company;1956/08/07 00:00:00.000;2
  
```

Query T\_PHONE number1.csv

```

PHO_ID;CUS_ID;PHT_CODE;PHO_NUMBER;PHO_PHONING_ALLOWED
1;1;HOM;(413)454-5663;1
2;1;SIP;(413)442-5252;1
3;1;OFF;(413)442-5250;1
4;3;GSM;(917)118-7889;1
6;5;HOM;(212)515-5250;1
9;10;HOM;(323)489-9221;1
10;10;OFF;(323)442-5621;0
  
```