

ADV06 Publish and get variables in a loop

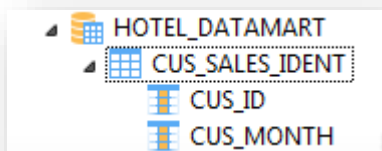


A related article in Stambia.org

- <http://stambia.org/doc/85-development-hints-and-tips/variables-and-parameters/syntax/214-overview-of-different-syntaxes>

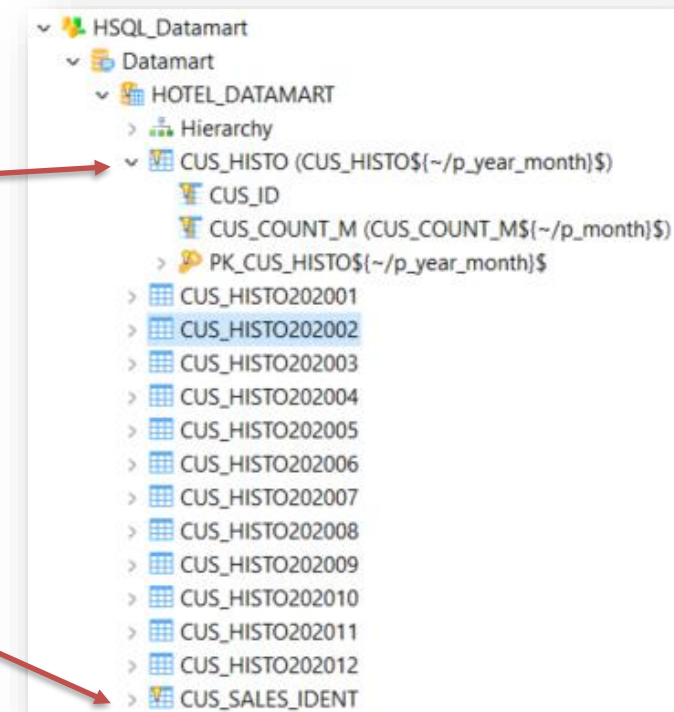
❖ Context

- Drop, create and load 12 tables corresponding to the 12 months of a defined year with a source table,
- Depending on the source month
- Manipulate them in one parametrized metadata and one mapping



```
select * from HOTEL_DATAMART.CUS_SALES_IDENT
```

CUS_ID	YEAR_MONTH
87	202011
43	202011
26	202002
58	202007
48	202008
55	202004
3	202006
99	202011
75	202006
98	202002
30	202011
52	202010
56	202004



❖ 1 - Create

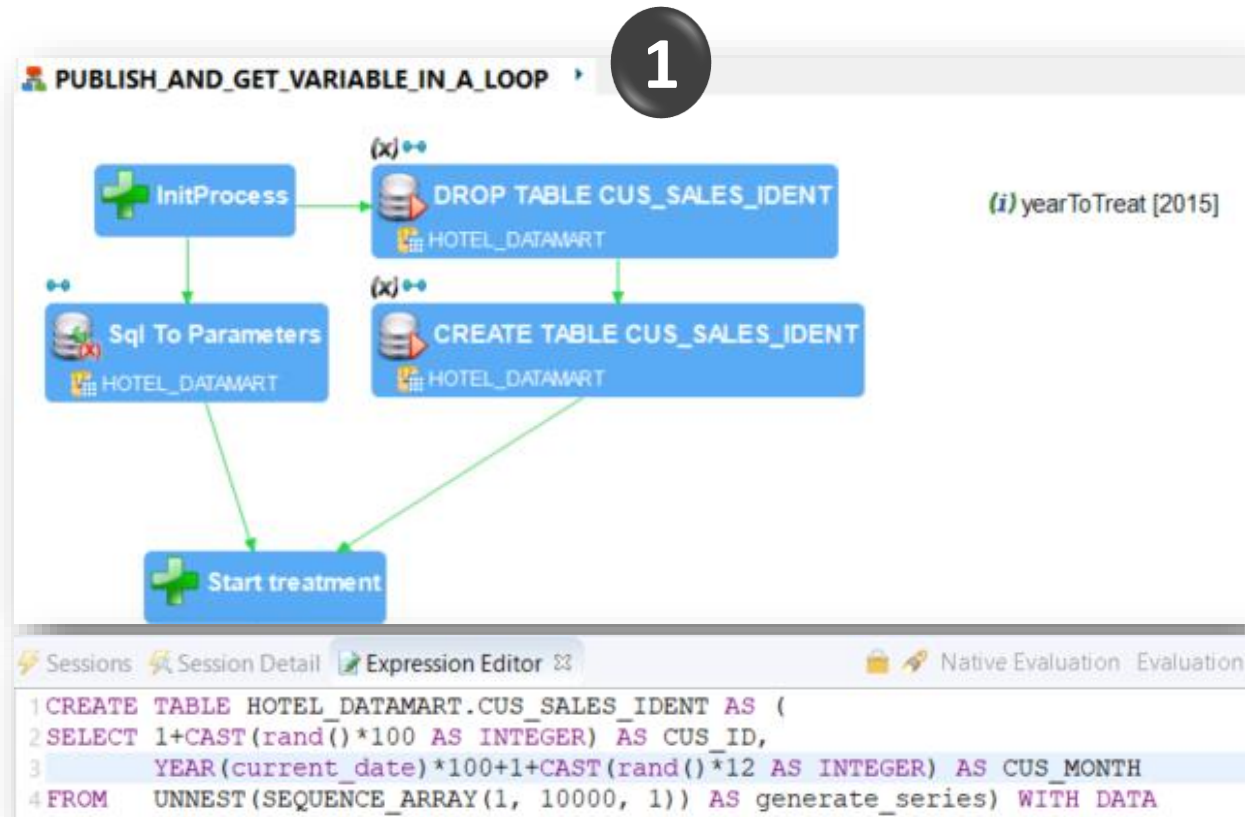
- Two empty actions
- Two SQL operations
- One SQL To Parameter

Sessions Session Detail Expression Editor

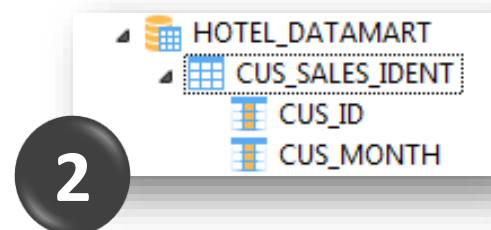
```

1 <sqlToParameters>
2 <parameter name="/yearToTreat" type="Integer">
3 SELECT YEAR(current_timestamp) FROM (VALUES(0))
4 </parameter>
5 </sqlToParameters>

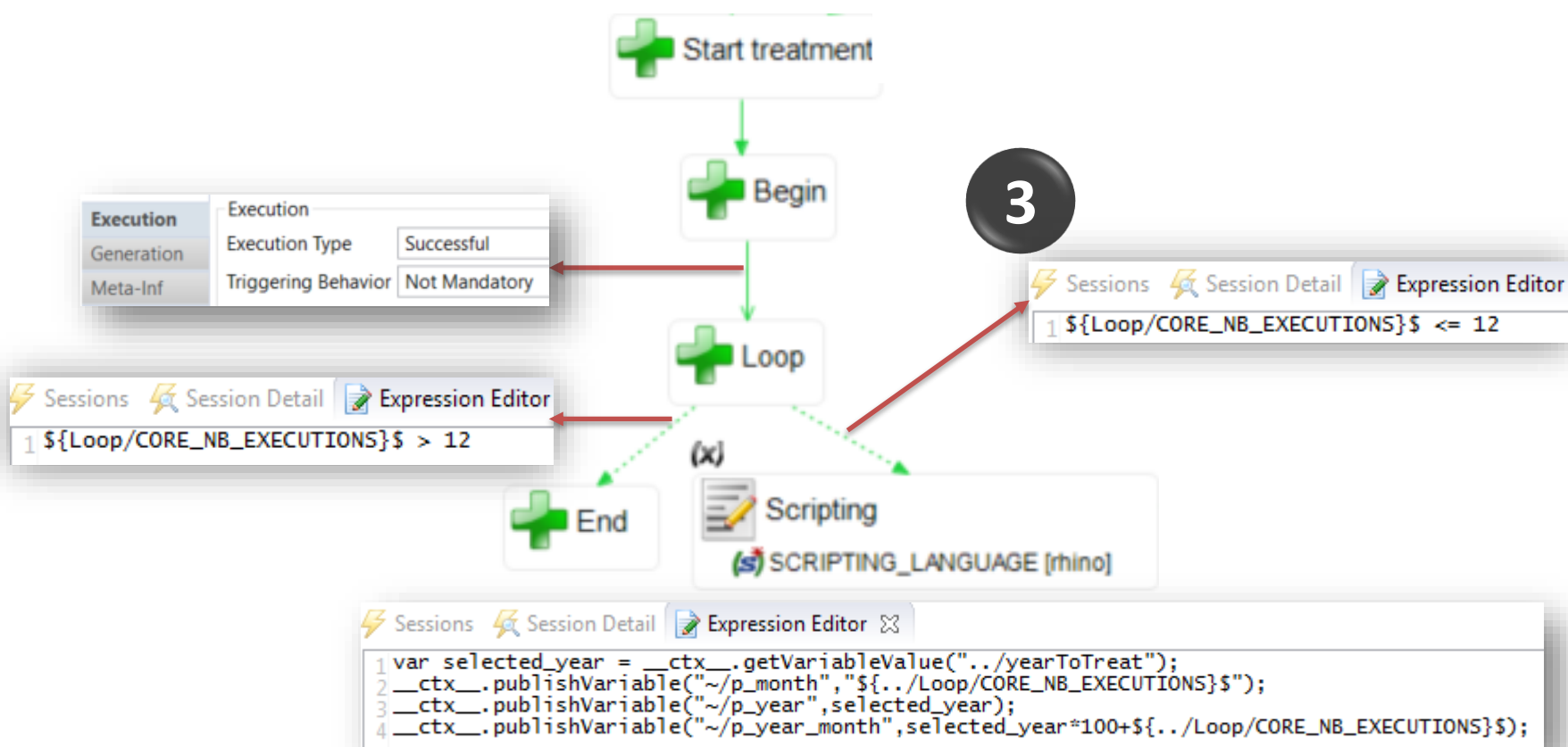
```



❖ 2 - Execute the process and Reverse the table

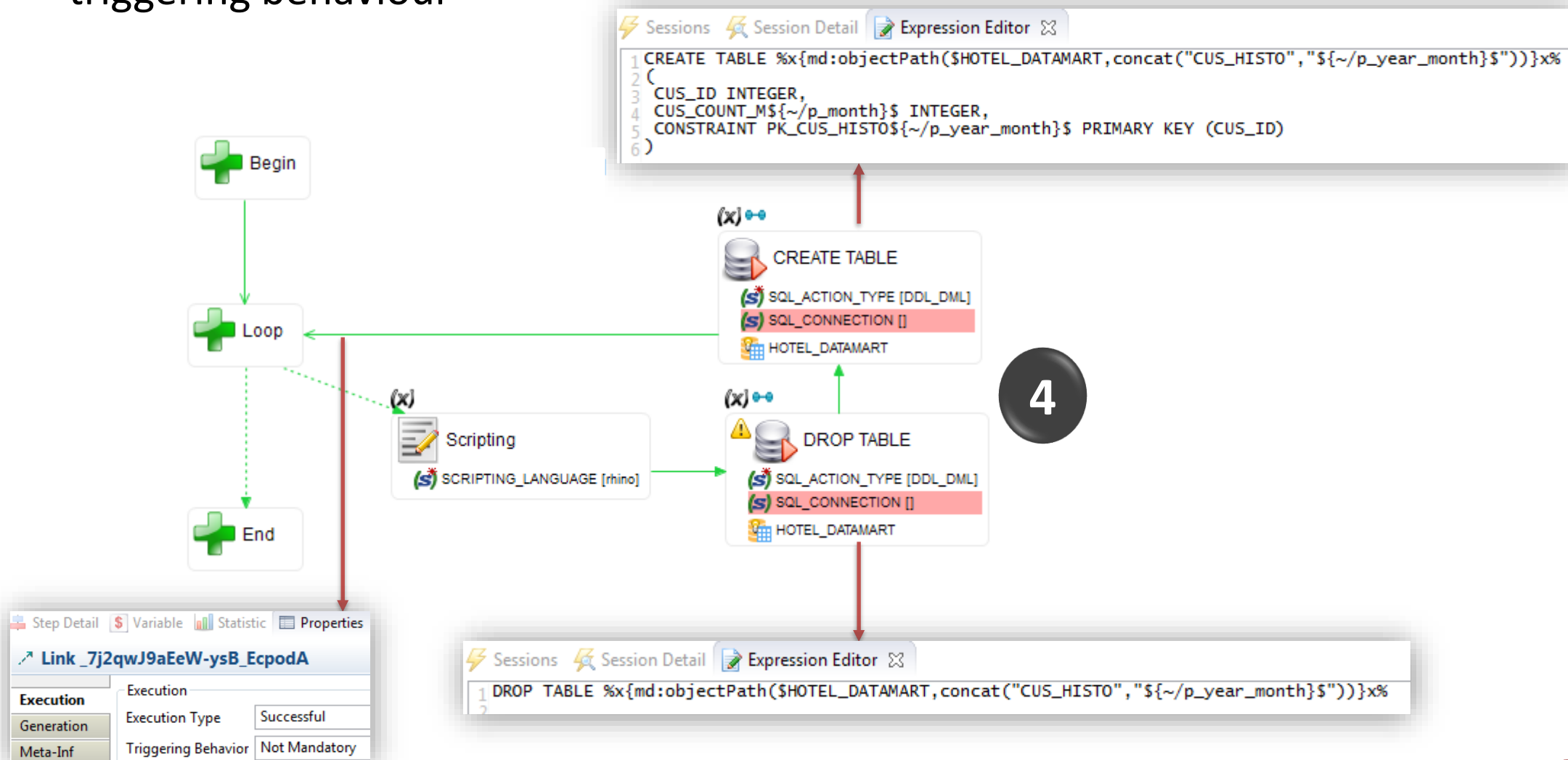


- ❖ 3 - Add in the process after “Start Treatment” action
 - Empty actions (Begin, Loop and End)
 - The link between Begin and Loop must have a “**not mandatory**” triggering behaviour
 - A rhino scripting action containing getVariable and publishVariable

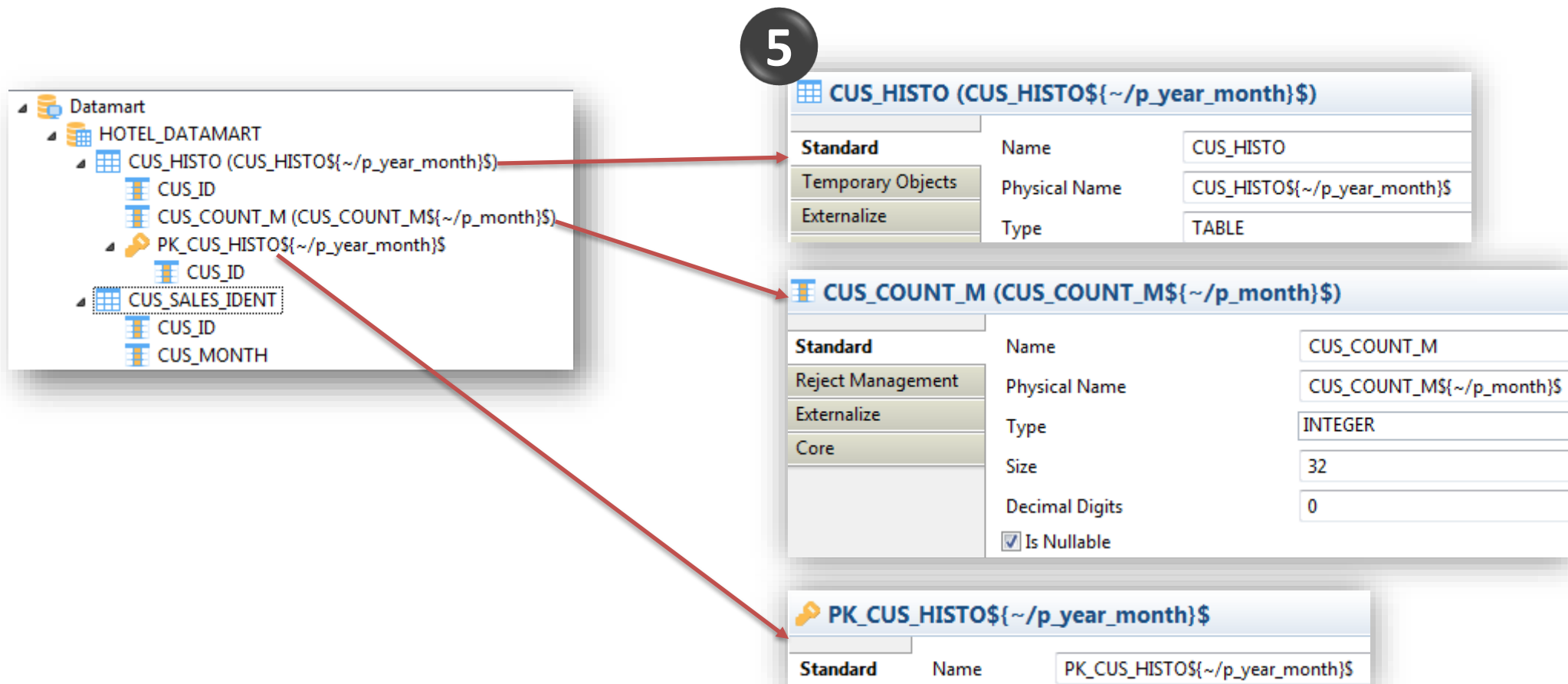


❖ 4 - Add two SQL Operation actions

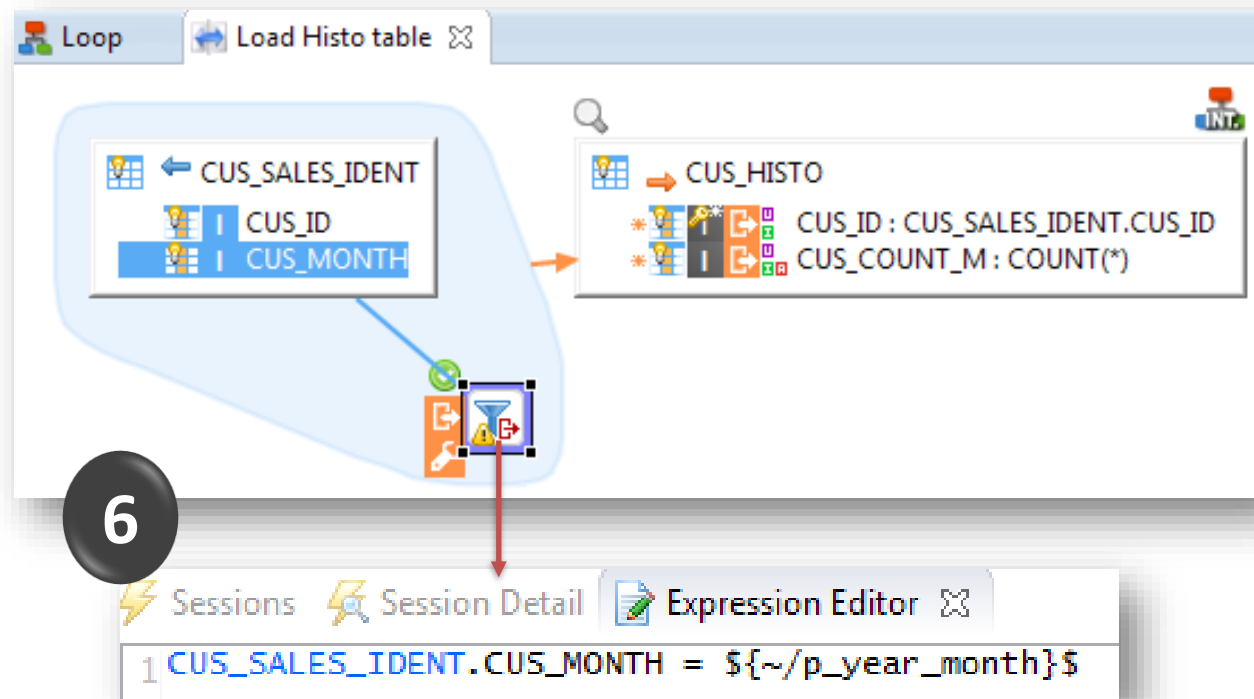
- The link between CREATE TABLE and Loop must have a “not mandatory” triggering behaviour



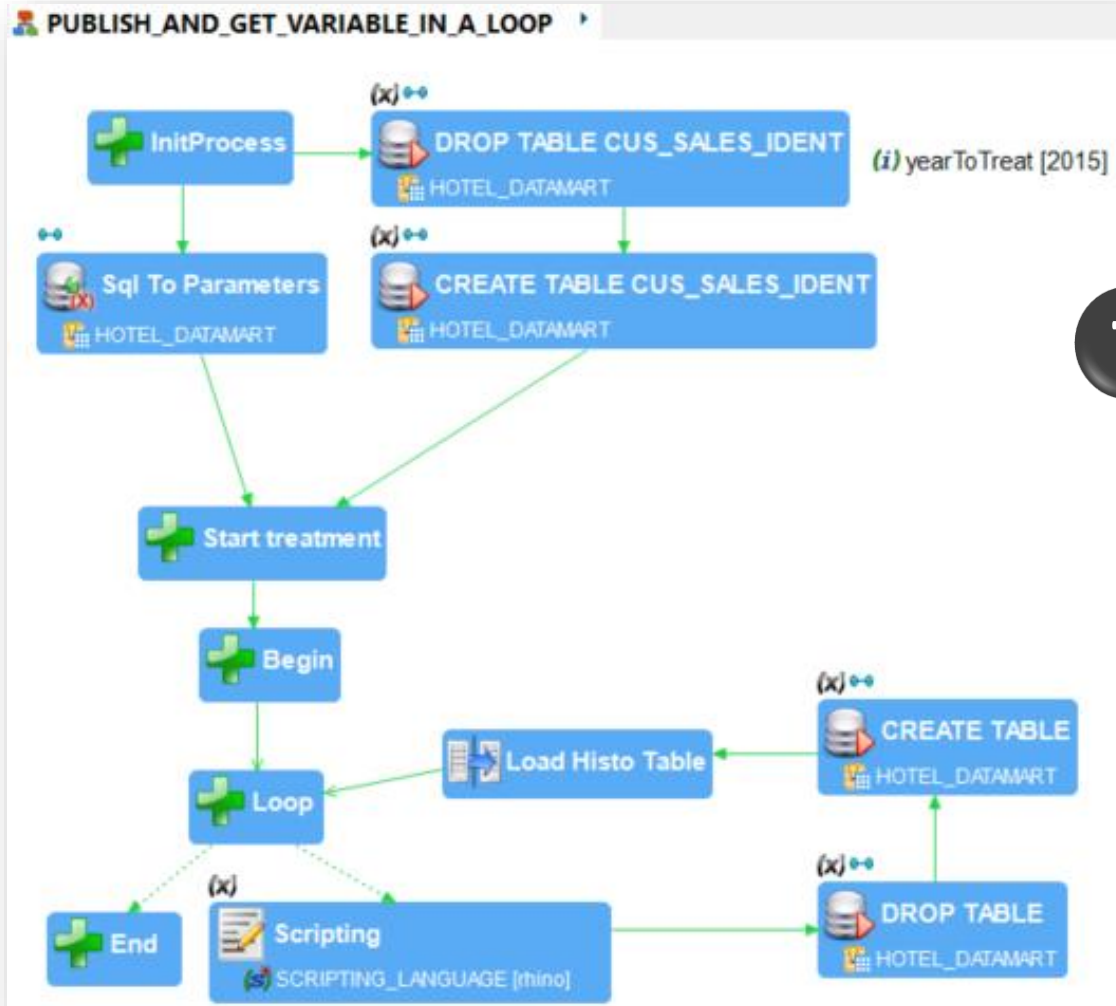
- ❖ 5 - Execute a first time this process to allow the creation of the tables
 - Reverse one of the generated table
 - Use the parameters to define the Physical Names



- ❖ 6 - Create a mapping with the following business rules and filter



- ❖ 7 - Add the mapping in the process
 - Reverse and check the content of the generated tables



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HSQL_Datamart

- Datamart
 - HOTEL_DATAMART
 - Hierarchy
 - CUS_HISTO (CUS_HISTO\$(~/p_year_month)\$)
 - CUS_ID
 - CUS_COUNT_M (CUS_COUNT_M\$(~/p_month)\$)
 - PK_CUS_HISTO\$(~/p_year_month)\$
 - CUS_HISTO202001
 - CUS_HISTO202002
 - CUS_HISTO202003
 - CUS_HISTO202004
 - CUS_HISTO202005
 - CUS_HISTO202006
 - CUS_HISTO202007
 - CUS_HISTO202008
 - CUS_HISTO202009
 - CUS_HISTO202010
 - CUS_HISTO202011
 - CUS_HISTO202012
 - CUS_SALES_IDENT

`select * from HOTEL_DATAMART.CUS_HISTO202002`

1 [select * from HOTEL_DA...] x Messages	
CUS_ID	CUS_COUNT_M2
1	5
2	6
3	12
4	11
5	14
6	11
7	7
8	11