**Talend Open Studio (DATA INTEGRATION)-**

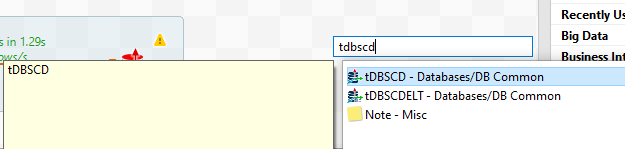
**tDBSCD component-**

Reflects and tracks changes in a dedicated database SCD table.

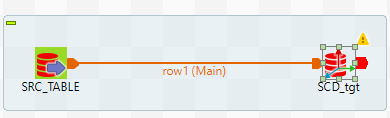
This component works with a variety of databases depending on your selection.

We can do SCD type 0,SCD type 1,SCD type 2 and SCD type 3

You can drag the **tDBSCD** from palette or simply start typing “**tDBSCD**” on workspace and select the **tDBSCD** component from the appeared components.

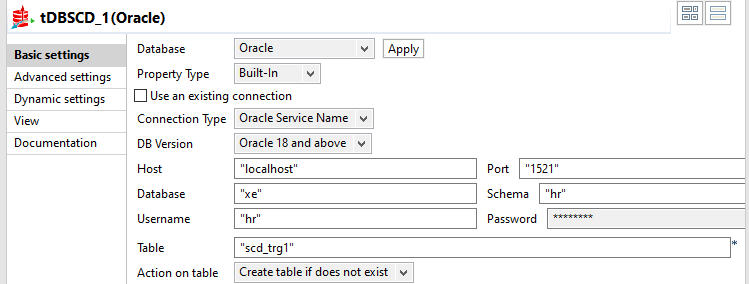


Now connect the source table to **tDBSCD** component.



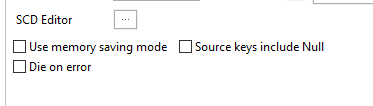
**Basic Setting –**

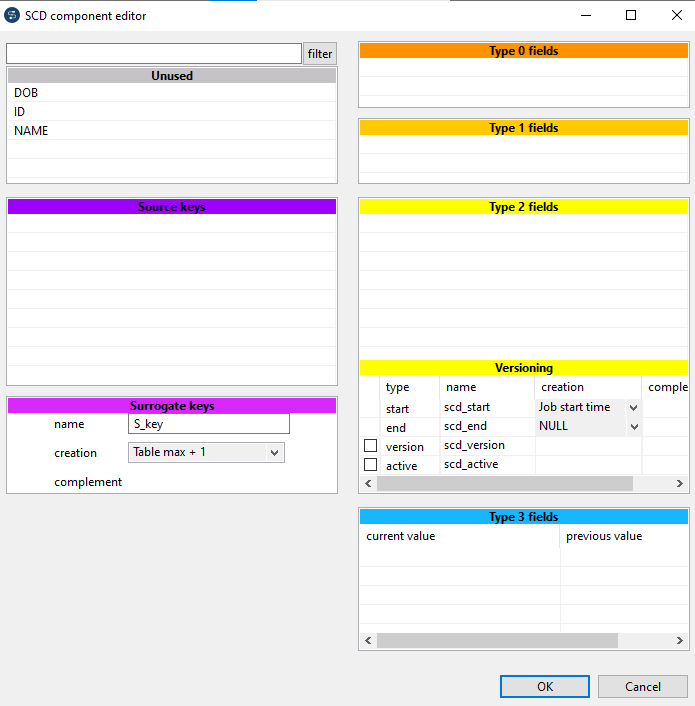
First select the database type and then give databse parameters. Or you can use existing connection from repository.



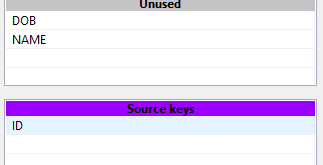
* In the schema you can create columns .
* You can check die on error property.

**SCD EDITOR-**

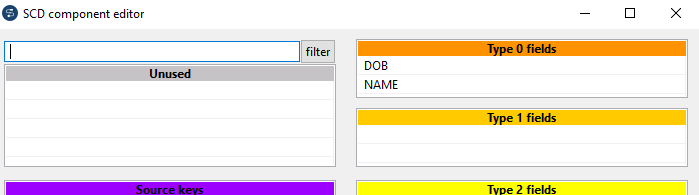
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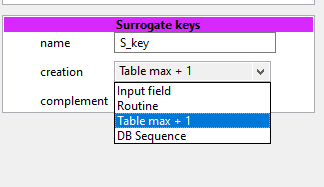
* **Now select & drag the source column in the source keys from the unused (like primary keys)**

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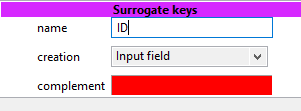
* **Now select the SCD type for particular columns and drag and drop that columns in scd section.**

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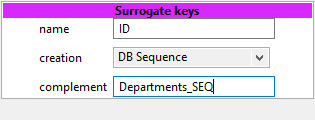
* **Surrogate Keys**



Give a **surrogate Key** name and Its value like Source Input field or routine.

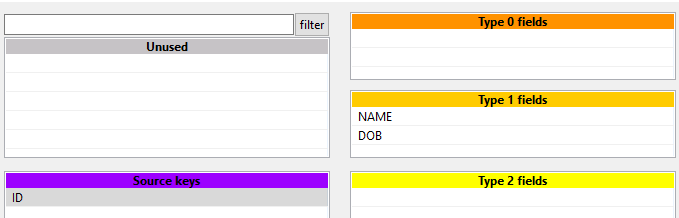


Also You can give Table max+1 or any DB Sequence (Here you have to mention that DB sequence.)



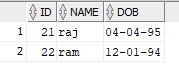
**SCD1-**

Now to do SCD1 drag the source columns to type 1 section.

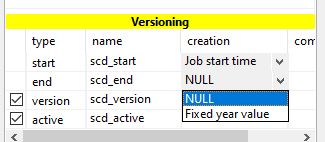
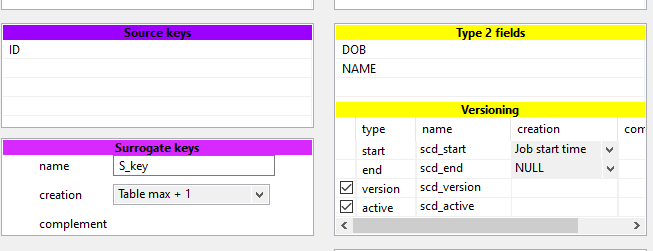


**And run the job.**

**Sorce data for SCD1- OUTPUT-**

** **

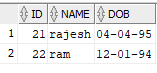
**SCD2-**

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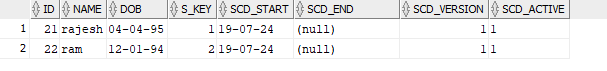
For scd2 drag the source fields to type2 fields .

You can do this by Start-End date method/SCD\_version or Active flag(i.e. 1/0) or all these methods.

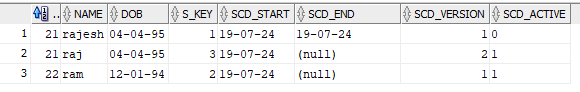
**Source Data-**

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**Output SCD\_2 data-**

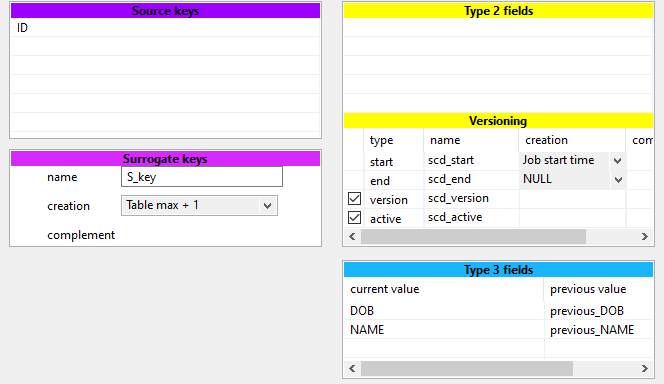
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**After Updating first record**

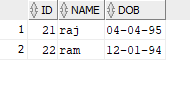
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**SCD3-**

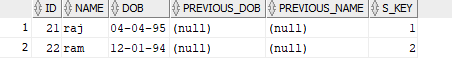
**For scd3 drag and drop source fields to the type3 fields.**

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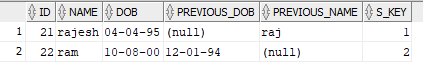
**Source Data-**

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**Output data SCD3 –**

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**After updating any source column-**

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