Connection with SDI /!\ Obsolete /!\

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The new wiki link for this data flow is here:

Connection with SDI

Please update the new doc there and no longer here.

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Connection with SDI

With the migration to the Cloud and the new connection type available with HANA, it has been decided to create a new connection between Dynasys and BW using SDI (Smart Data Integration).

The SDI is able to create the table on HANA and this can be used directly on calculation view or BW datasource.

As we have a large volume for transactional data in Dynasys, it is a good option to implement this type of connection.

With UD Connect it was necessary to clear the cache of the datasource strcuture in J2EE Layer in case of modifications, not anymore with SDI.

How to add a new Dynasys Table with SDI ?

Before continue, it is mandatory to have access to the WEB IDE tool => See the link SAP WEB IDE.

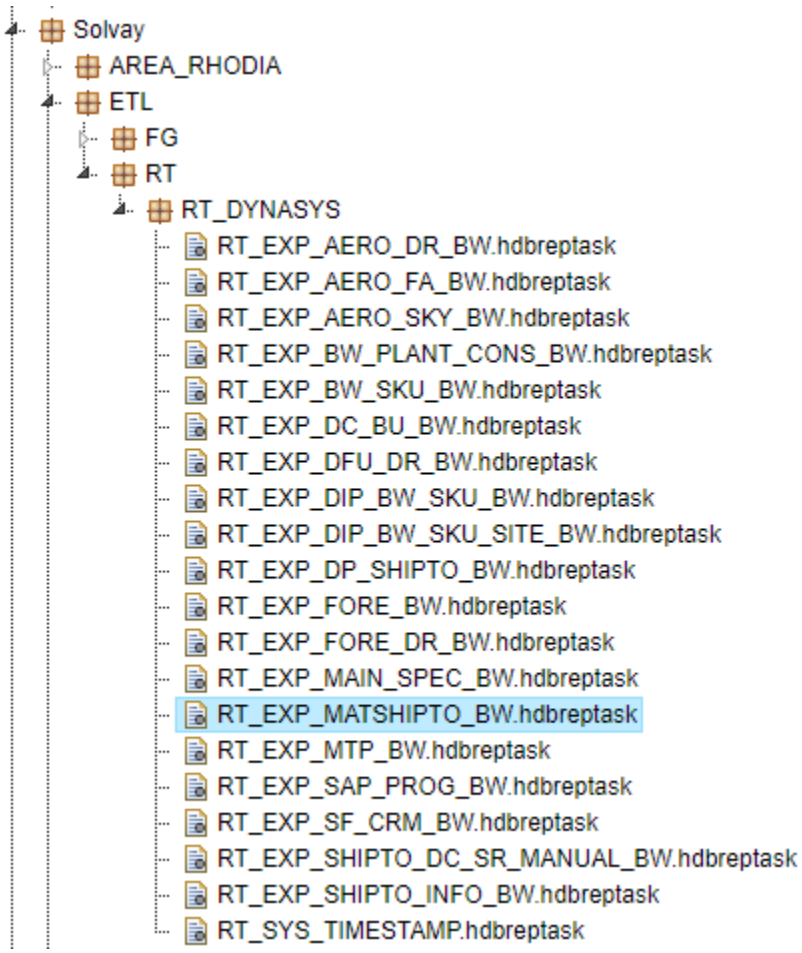
And also see Dynasys Catalog :

1. Target Schema = TB_DYNASYS
2. Virtual Table Schema = VT_DYNASYS

The storage of the data is organized into 2 different catalogs on HANA DB:

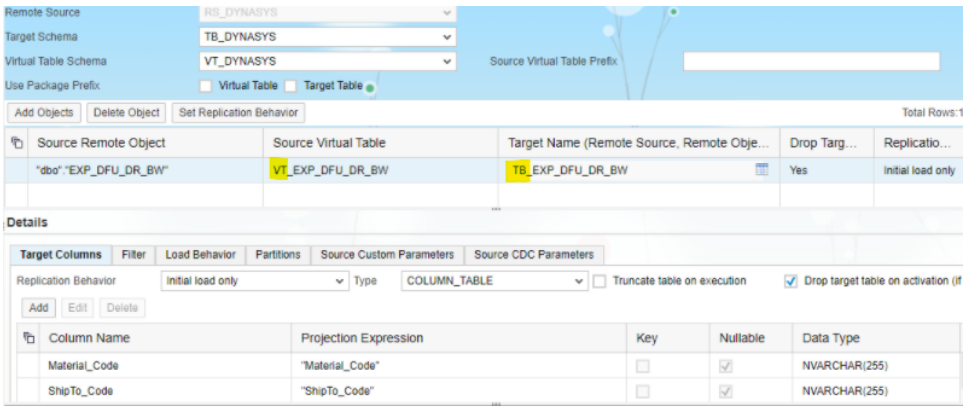
- Target data: TB_DYNASYS
- Virtual table VT_DYNASYS

1. The first step is to create a new replication task named "RT_" + "Dynasys view technical name" under the package "RT_DYNASYS" like below :



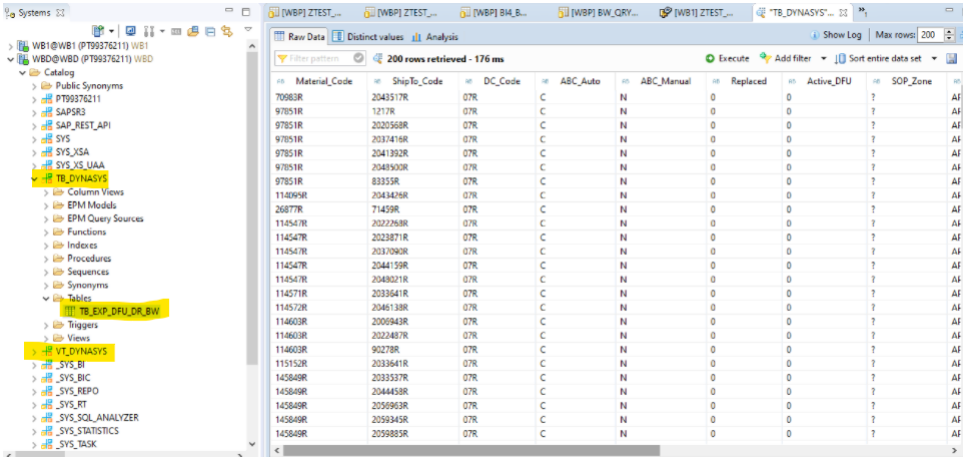
2. Replication task properties
   a. Remote Source = **RS_DYNASYS**
   b. Target Schema = **TB_DYNASYS**
   c. Virtual Table Schema = **VT_DYNASYS**

   Please find below an example on an existing Dynasys table (EXP_DFU_DR_BW)

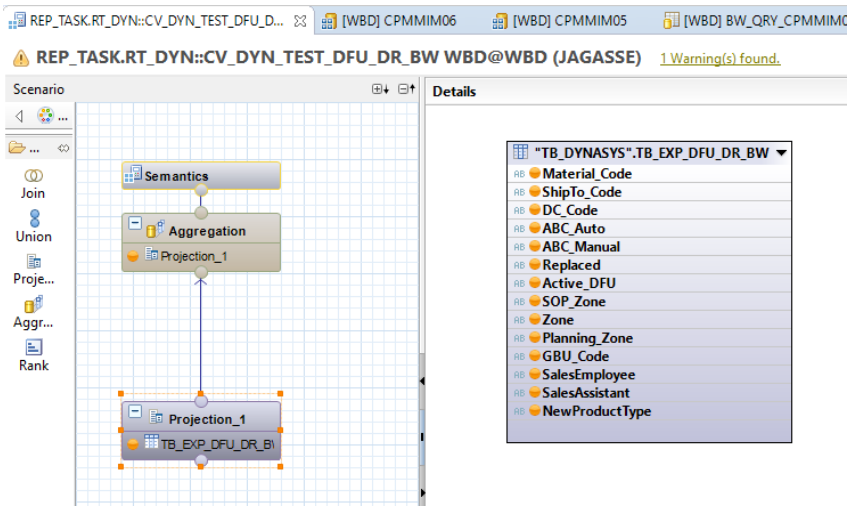


   Source Remote Object => Select the Dynasys view
   Source Virtual Table => Must be prefix by **VT***
   Target Name => Must be prefixed by **TB***

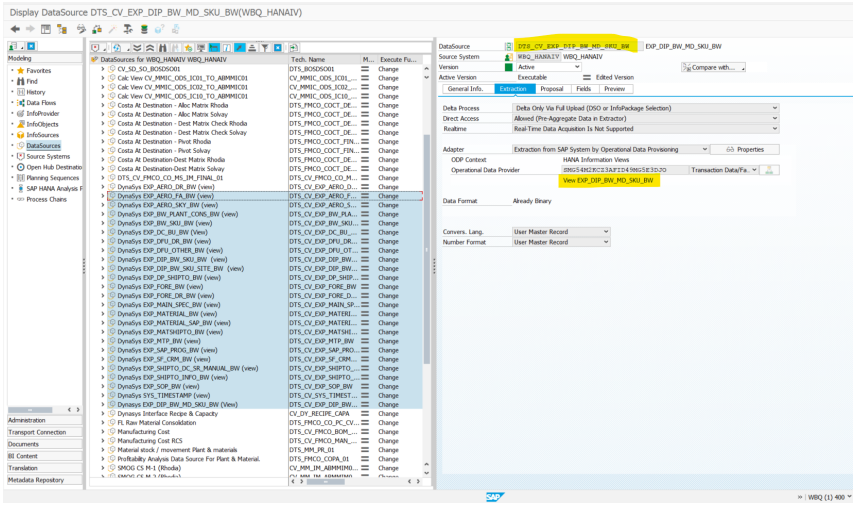
3. Check the new tables created and make a data preview (if possible) on HANA



4. The table is available on calculation view



5. For each calculation view, there is an associated datasource based on the calculation view that permit to load data into BW :



How to load data from Dynasys into BW ?

Before the loading of the DTP, it is important to fill the VT_* tables from Dynasys using the replication tasks.

We'll not run every tasks manually but we'll use the program **ZBW_RUN_REP_TASK.**

An associated Variant is existing for each Dynasys view.

In the variant you must fill the Schema and the replication task to run like below :

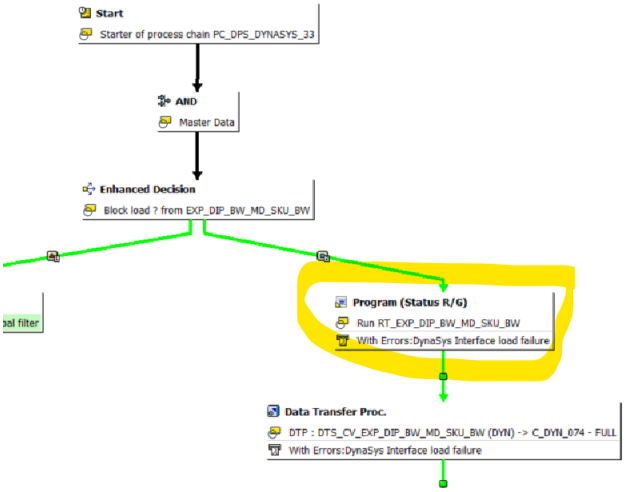
ABAP: Selections of Variant ZBW_DYN_001

Catalog | Values | Attributes

Objects for selection screen

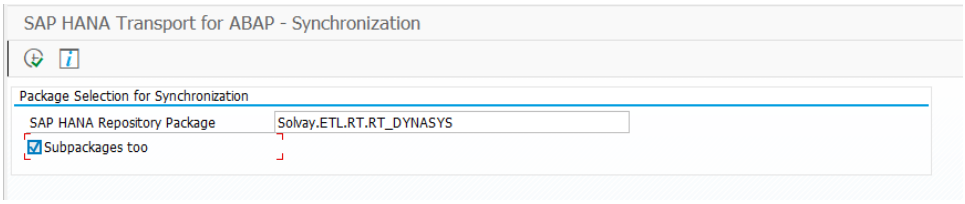
Selection Screen	Field name	Type	I/E	Option	frm	to
1000	Schema / Catalog Target	P			TB_DYNASYS	
1000	Replication Task	P			RT_EXP_DIP_BW_MD_SKU_BW	

Then, the program will be used in the process chain before the stop of TP running.

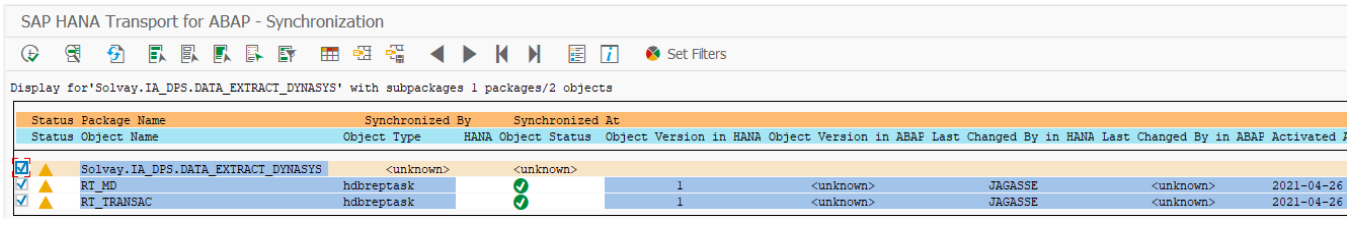


Transport of replication task

1. Use the T-CODE **SCTS_HTA** with SAP Logon.
2. Go to the Dynasys package **Solvay.ETL.RT.RT_DYNASYS**

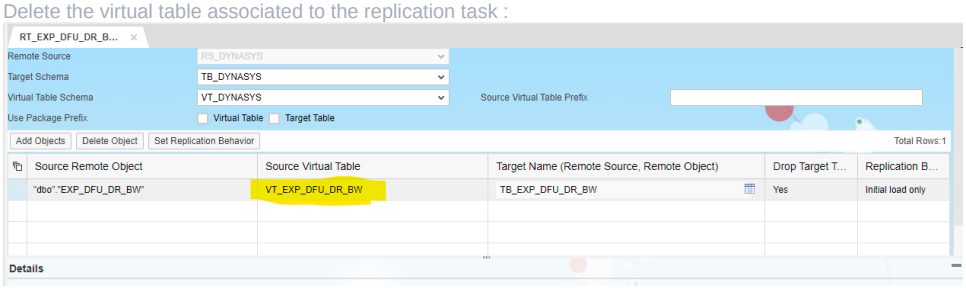


3. Choose the replication task modified and assign it to your transport request

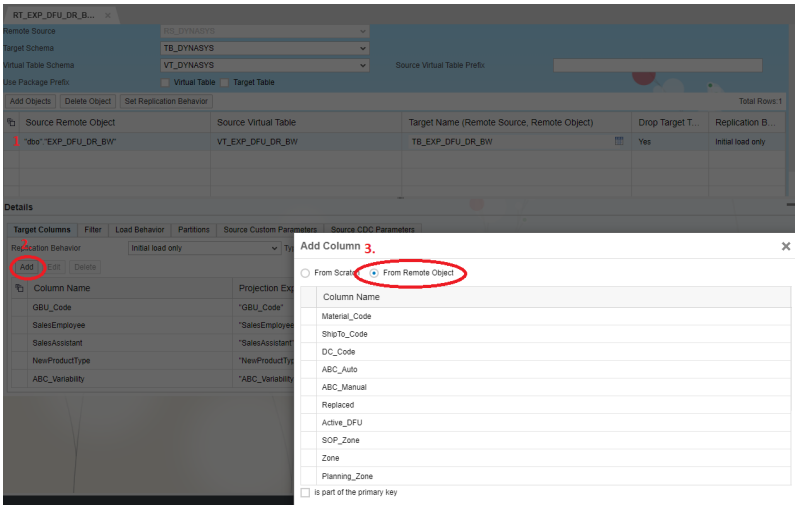


How to add a new field in an existing SDI datasource ?

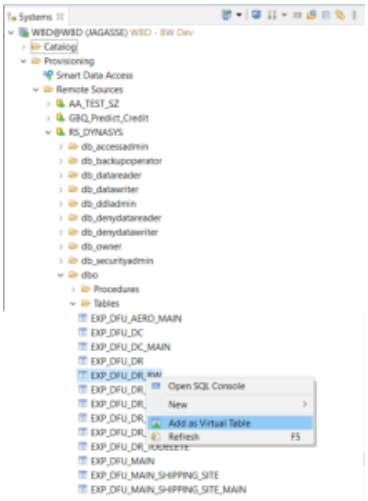
1. Go to the replication task in which the new field will be added on WEB IDE Tool.
2. Delete the virtual table associated to the replication task :



3. Select the Source Remote Object (1) and click to add (2) and then choose the new field from remote object (3) :

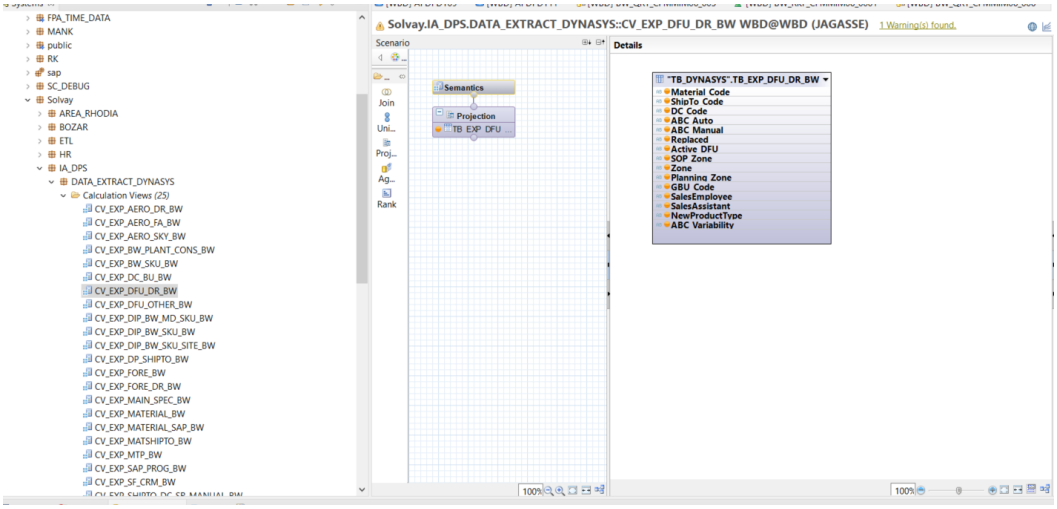


4.Re-create the virtual table choosing the remote table source :

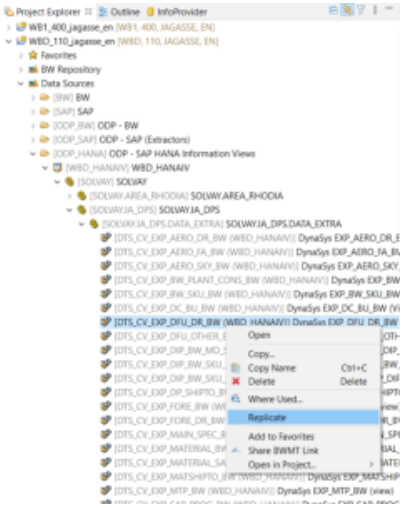


5.Activate and run the replication task.

6. Update the associated calculation view to add the new field in the projection step based on TB* table



7. Replicate the datasource based on the previous calculation view to display the new field



Transport :

Be careful, before transporting the replication task you need to :

1.Delete the virtual table in the target system (refer to step 2.).

2. Ask to Dynasys Interface Team to add the new field in the Dynasys view on Test System or Prod System (if you move to prod).

3. Recreate the virtual table (refer to step4.)

4. Check the new field is available in the virtual table

5. Move the TR with the replication task on the target system.