

Logical Index Recreation

RSDDB_LOGINDEX_CREATE / RSDDB_INDEX_CREATE_MASS / RSDDB_LOGINDEX_CREATE :

After we migrate a BW system to a BW on SAP HANA, all InfoProviders must have so called column views. These views are needed for reporting. If a new BW Infoprovider(InfoObject) is created, the associated column view is generated during activation.

If column views do not exist (or are incorrect), the provider is inconsistent and BW queries based on it will fail. With the report mentioned below screenshot and you need to recreate column views: in order to fix.

- For single InfoProviders, also the report **RSDDB_LOGINDEX_CREATE** can also be used to recreate the views. More details see: 1977231
- The report **RSDDB_INDEX_CREATE_MASS** can be used to (re-)create or delete these column views (e.g. all views for a certain type of InfoProvider). It was delivered with SAP note: 1982150 - Deletion / creation of InfoProvider column views on SAP HANA not possible for TLOGO types

As mentioned in note 1977231, there is no way to check the consistency of column views. In case of issue, please recreate the views by using these function modules to the corrupted providers

After apply some notes to fix known issues, the ABAP code will be correct. However the column views that are generated based on previous code might be still inconsistent with current code. This may lead to DBMAN error, or even wrong query result. Therefore it is always recommended to rebuild the logic index by using reports above. For HCPR, please also make sure all column views of providers are recreated/regenerated

Example:

We have an issue while accessing reports like shown in below screenshot

06:46:08.239	BWCube	SELECT [(B1FNYSNDTMCTB3N0ULYG0PT9I].[B1FNYSNDTMCTB4CD0KKDCIFRA)] ON COLUMNS , NON EMPTY CROSSJOI...
06:46:13.067	LiveDataExtraction	ERPConnect.ERPException: Error reading the data of InfoProvider DBSDSO9N\$X
06:46:13.067	LiveDataExtraction	at ERPConnect.BW.MDXExecutor.GetPackage(Int32 StartRow, Int32 EndRow, String DataSetID)
06:46:13.067	LiveDataExtraction	at ERPConnect.BW.MDXExecutor.Execute()

or Error reading the data of InfoProvider xxxxxx\$X

Ty...	Message Text	LTxt
●	view or procedure invalidated;table or view name = 0BW:BIA:DBFIAR01/[Request Info: ...	
●	TREX_DBS_AGGREGATE]	
●	Error 2,949 has occurred in the BWA/SAP HANA server	
●	Error reading the data of InfoProvider DBFIAR01\$X	?

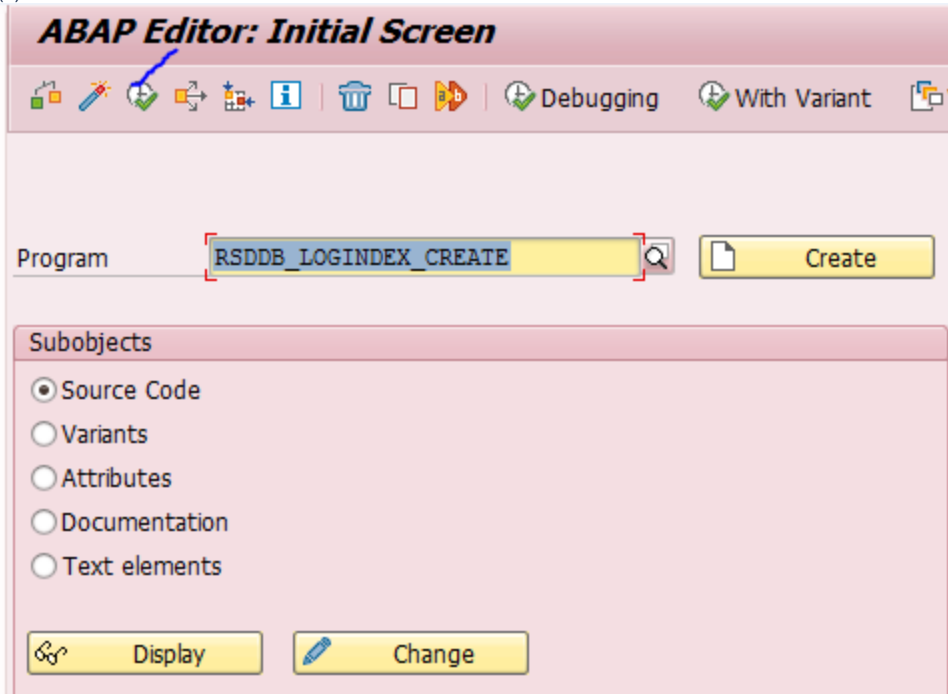
or Error on SID or NULL value

Messages	
⚠	▷ Instantiation of calculation model failed;exception 306105: Invalid query. Failed to find '0BASIC_MATL_SID' at node ...
⚠	▷ '0BW:BIA:CPMATCLS' /[Request Info: Object Name = "SAPSR3"."0BW:BIA:CPMATCLS", FM Name = TREX_DBS_AGGREGATE]
⚠	▷ Error 34,023 has occurred in the BWA/SAP HANA server
⚠	▷ Error reading the data of InfoProvider CPMATCL\$X
⚠	▷ Error while reading data; navigation is possible
ℹ	▷ CL_RSDRH_TREX_STORAGE >> Row: Inc: 114 Prog: MAP_TREX_EXCEPTION

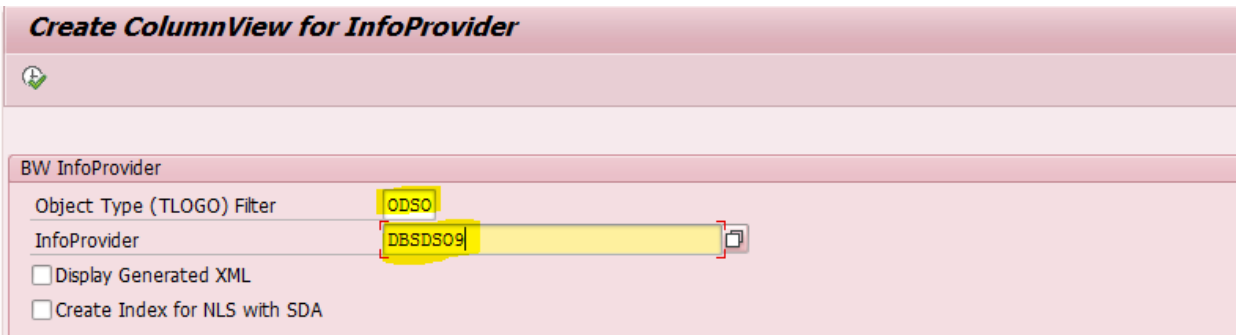
Solution1

We have recreated by using the program "RSDDDB_LOGINDEX_CREATE" for the corrupted provider "DBSDSO09" DSO
Please find the below screenshots for reference.

(1)



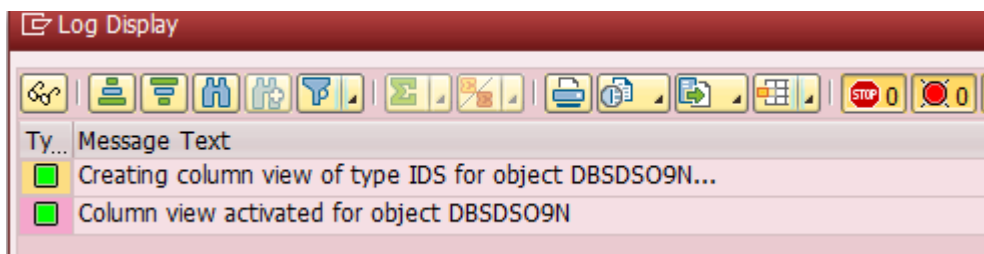
(2)



- . We have to give Object type(TLOGO) , Here we are recreating it for DSO, SO we gave as "ODSO"
- . We have to give the Corrupted info provider name in "Infoprovider" tab.

(3) Click on Execute

After completion it will throw a message like Column views have generated



(4) Now you can refresh the report to fetch the data

Solution 2

In case many infoproviders

1. Run SE38: RSDDDB_INDEX_CREATE_MASS and enter the naming convention or * that related to the problem.

The screenshot shows the SAP SE38 transaction 'Mass Creation for HANA Column Views of InfoProviders'. The window title is 'Mass Creation for HANA Column Views of InfoProviders'. Below the title bar, there are two icons: a green circular arrow and an information icon. The main area is titled 'Mass Creation for InfoProvider Views'. It features a text input field containing an asterisk (*) and a selection icon, with the label 'InfoProvider selection for creation (regardless of selection below)'. Below this, there is a list of checkboxes, all of which are checked:

- Create Views for all (IOBJ) InfoObjects
- Create Views for all (CUBE) InfoCubes
- Create Views for all (ODSO) DataStore Objects
- Create Views for all (LPOA) Semantically Partitioned Objects
- Create Views for all (MPRO) MultiProviders
- Create Views for all (DAPA) Data Archiving Processes with Smart Data Access
- Create Views for all (ADSO) DataStore Objects
- Create Views for all (FBPA) Open ODS Views
- Create Views for all (HCPR) CompositeProviders
- Create Views for all Local Providers

Below the list, there are three more checkboxes, all checked:

- Skip object if it already exists?
- Regenerate invalid indexes?
- Display log at the end?

There is also a checkbox for 'Execute in parallel (by TLOGO type)?' which is checked. Below this, there is a text input field containing the number '30' and the label 'Max. number of work processes (0 = 80% of WPs)'. At the bottom of the window, there is a 'Create' button and the text 'Start Mass Creation'.

Normally, run all when we refresh system.