SAP HANA internal training – Session 5

March 2018

Debug a stored procedure

- HANA Stored procedures are debugged using Debug Perspective.

- As a prerequisite, a user should have mandatory privileges (SELECT/EXECUTE/DEBUG) required on the schema where the procedures are stored.

- To debug a procedure, you need to create debug configurations just like the way you would do it for any other procedure.

- The script based calculation views can also be de-bugged by using the wrapper procedure that is created in the schema "_SYS_BIC" by the system.

Table Functions

- Table Functions are read-only user-defined functions which can accept multiple input parameters and return exactly one results table.
- Table functions are functions that users can query like any other database tables.
- Table functions replace Scripted Calculation views as the recommended development artifact whenever the graphical views are not enough to implement a technical requirement.
- SQLScript is the only language which is supported for table functions.
- You can use the from clause of a SQL statement to call a table function.
- Table functions are also known as User Defined Functions (UDFs).
- You can create and edit table functions in both, the project explorer view or in the repositories view of SAP HANA Development perspective.
- You cannot create, view, or modify table functions in the SAP HANA Modeller perspective.

- NOTE: Make sure to define return table's column names in double quotes in Table function, otherwise consuming the table function into graphical calculation view will result into error.

Migrating Script Based Calculation View to Table Functions

- SAP recommends to Migrate Script-based Calculation Views to Table Functions and then into the Graphical Calculation Views.
- A migration tool within the SAP HANA modeller allows you to convert existing script-based calculation views available in your system to table functions and graphical calculation views.
- SAP HANA modeller allows you to save both existing and new script-based calculations views as table functions, and use these table functions as a data source in your graphical calculation views.
- Script-based calculation views supports only one script view node. However, with table functions as a data source in graphical calculation views, you can use the script (table function) and also combine it with other view nodes such as union, join, and so on.
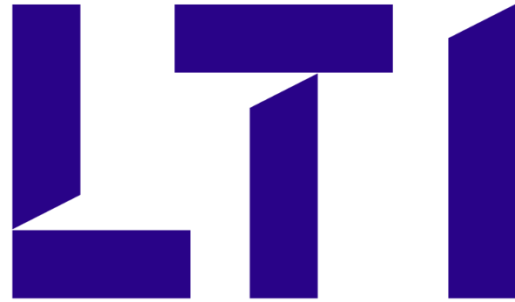
Appendices

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Word Document

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Let's Solve