[SAP Table][SAP OpenHub]Repro issue in SAP system

Last updated by | Veena Pachauri | Mar 8, 2023 at 11:23 PM PST

Contents

- Issue
- Steps
- Resolution

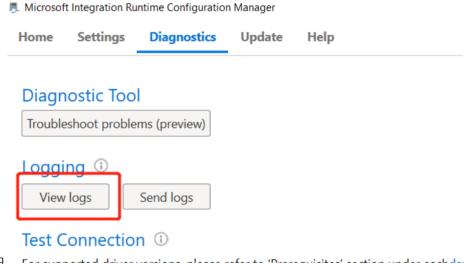
Issue

When executing copy activity or previewing data, we get any exception which thrown by SAP side, the related exception should belongs to SAP.Middleware.Connector, for example, SAP.Middleware.Connector.RfcAbapRuntimeException

Or we get exception like "Input string was not in a correct format" or any other exception related to data parsing.

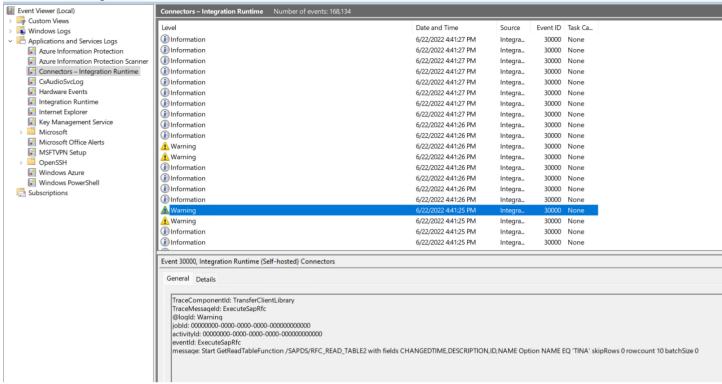
In this case, we need to repro this issue in SAP side to see how to fix it in SAP.

Steps



1. Repro this issue in ADF side, then check SHIR log

2. Search for the message start with "Start GetReadTableFunction" like below:



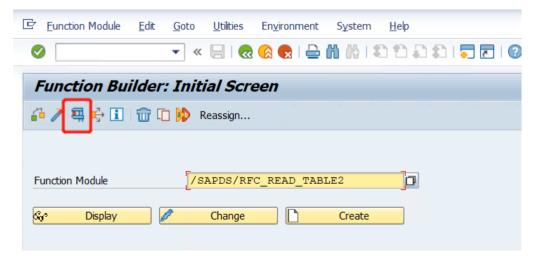
3. Record all the value be mentioned in the log:

"Start GetReadTableFunction < FunctionModuleName > with fields < fieldsList > Option < options > skipRows < skipRowsCount > rowcount < rowCount > "

- 4. Go to SAP GUI
- 5. Go to SE37



6. Input < FunctionModuleName > we get from step 3 -> execute



7. Test the execution, fill the value, left as empty if no value for related parameter.

QUERY_TABLE -> table name we put in dataset

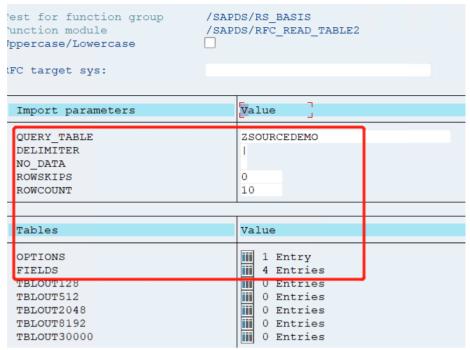
DELIMITER -> sapDataColumnDelimiter we put in copy source

ROWSKIPS -> < skipRowsCount > we get from step 3

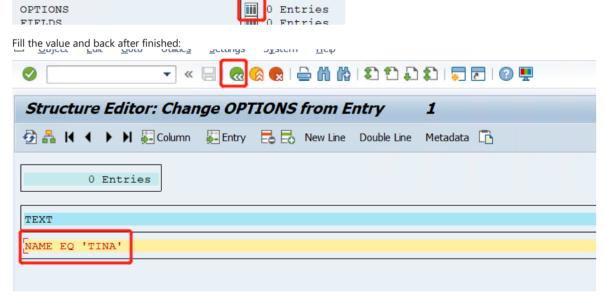
ROWCOUNT -> < rowCount> we get from step 3

OPTIONS -> < options > we get from step 3

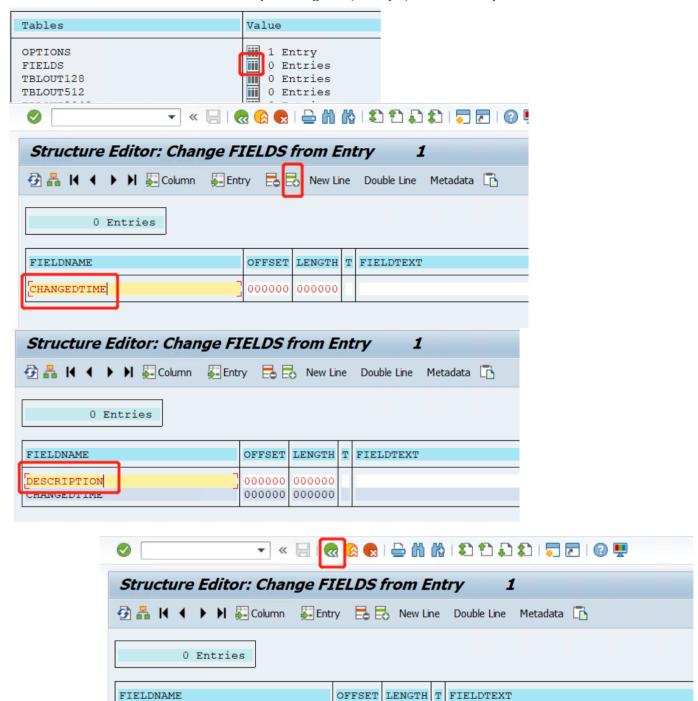
FIELDS -> < fieldsList > we get from step 3



8. How to fill OPTIONS:



9. The way to fill FIELDS:



Back after finished:

10. Execute the Function Module:

NAME

DESCRIPTION

CHANGEDTIME

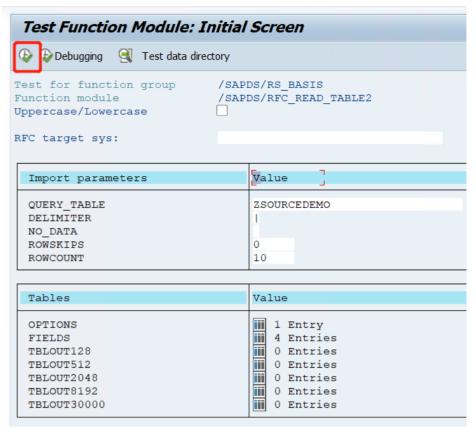
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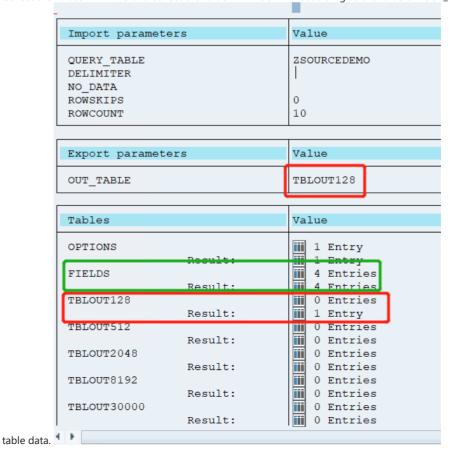
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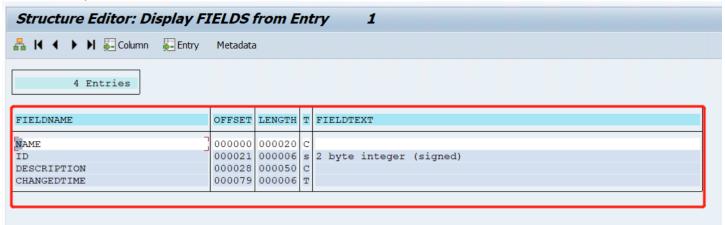
11. If previous copy activity failed with SAP.Middleware.Connector related exception, customer should be able to replicate the issue without any ADF service involved.

If previous copy activity failed with "Input string was not in a correct format" or some other data related issue, then move to the next step to collect the required data.

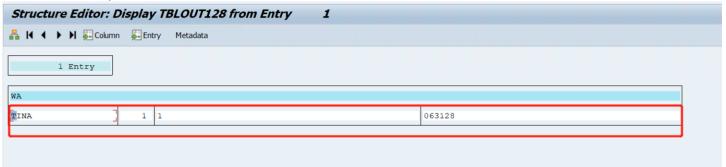
12. Collect the values in FIELDS and collect the value in TBLOUTXXX according to the value of "OUT_TABLE". "OUT_TABLE" will told us which table contains the



FIELDS data example:



TBLOUTXXX data example:



Resolution

If we are able to repro this issue in SAP side, customer could try to contact his SAP Support to see whether they can apply some SAP note to fix the issue.

Another workaround is that customer could write a custom RFC instead of use this default one. https://supportability.visualstudio.com/AzureDataFactory/ wiki/wikis/AzureDataFactory/640905/-SAP-Table-SAP-OpenHub-Repro-issue-in-SAP-system