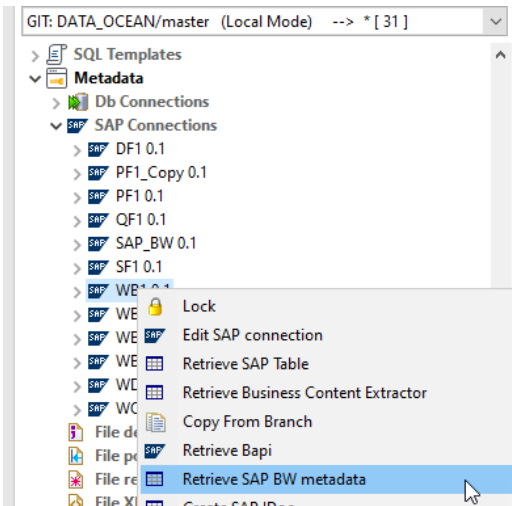


J027_BW_Composite_to_GCS

1. Retrieve metadata

Metadata > SAP Connection > (Server) > right click and select Retrieve SAP BW metadata > Search in "AdvancedDataStoreObject"



Add new table in connection "WB1"



Search Table

Search in: **AdvancedDataStoreObject** Category: Input

Name: *CPQM* Description: *

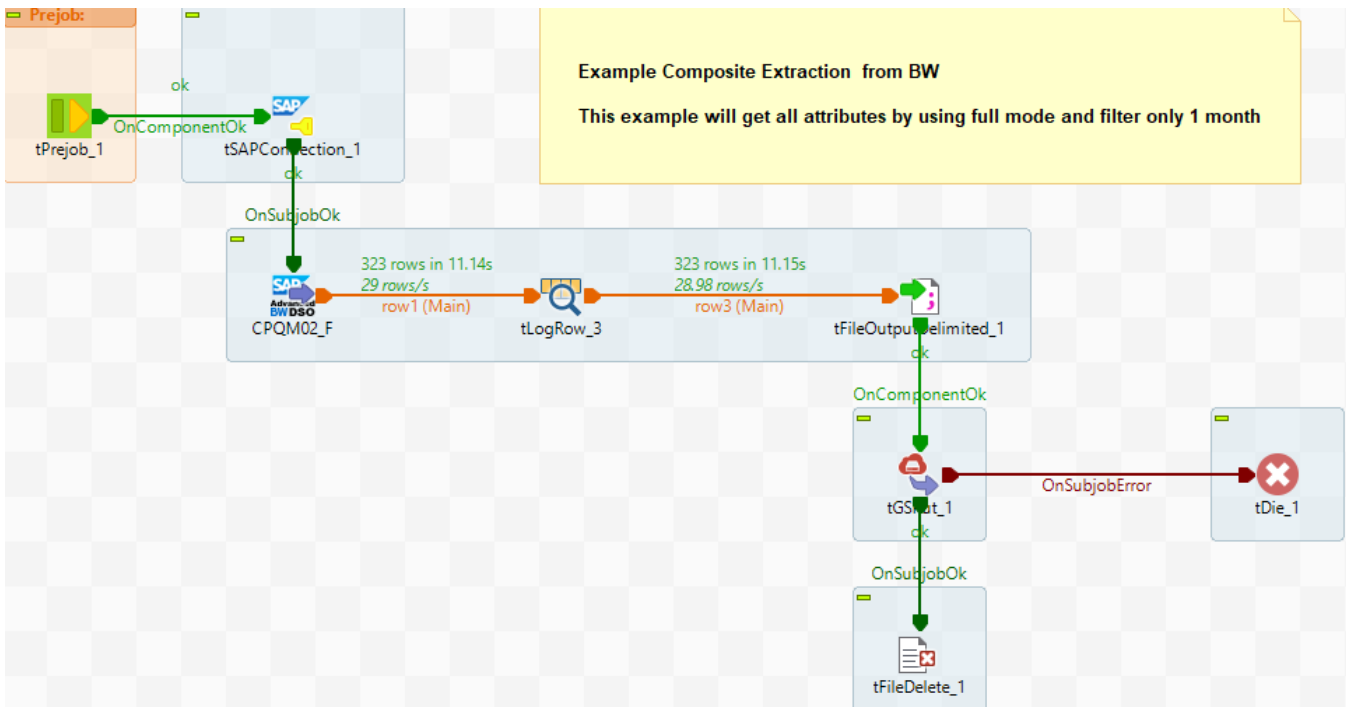
Source System: *

Search

Name	Description	Type	Source System	Column Number	Creation Status
<input type="checkbox"/> CPQM01SF	Inspection by Delivery	TRANSACTION_DATA			
<input checked="" type="checkbox"/> CPQM02SF	QM : Inspection Results	TRANSACTION_DATA		151	Success
<input type="checkbox"/> CPQM03SF	QM : Inspection Invalid ...	TRANSACTION_DATA			
<input type="checkbox"/> CPQM04SF	QM : Inspection Lot/Us...	TRANSACTION_DATA			
<input type="checkbox"/> CPQM05SF	QM:Inspection Results ...	TRANSACTION_DATA			

Search and check the line, wait the system to retrieve the metadata and click finish. Composite provider will have technical name starting with CP

2. Copy the reference job is J027_BW_Composite_to_GCS



Example Composite Extraction from BW
 This example will get all attributes by using full mode and filter only 1 month

3. The components to change tSAPADSInput

Drag and drop the metadata table object to the new job and ensure that the schema, table name, filter, number of records are correct.

Configuration

CPQM02_F(tSAPADSInput_1)

Basic settings: Connection type: SAP JCO 3, Use an existing connection: Connection configuration: tSAPConnection_1

Advanced settings: Schema: Repository, SAP:WB1 - CPQM02_F

Service: Service name: "CPQM02SF" (2)

Subscriber name: "" Subscriber process name: ""

Execute a full extraction

Column	Sign	Operator	Value(Or low value for "Between" op...	High value(only necessary for "Betw...
CALMONTH (1)	Include	Equal	"200708"	""

3.1 Filter the data

3.2 Setup delta load with the subscriber name (delta) or select on full extraction

- With full flag = Full load
- Without full flag = Init with delta load (by subscriber name)
- Reset subscriber = re-init with data
- There is no selection delta basing on the filter but only by subscriber name

4. Click on the sync column to get the new schema on tLogRow if you want to see the output during the run of the job or delete this job

5 Add the context g_CNX_SAP_xxx on the server that need to be connected.

6 Enter the parameter context to connect to GCP

The rest of the job will extract the data from SAP and generate the file on the local folder, then upload it to the bucket that we enter in point 1.6

Appendix

How the Delta work (Subscription)

After running the job, it will create a job in BW

Job overview from: 28.09.2022 at: : :
to: 28.09.2022 at: : :
Selected job names: *
Selected user names: TH30085

Scheduled Released Ready Active Finished Canceled
 Event-Driven Event ID:
 ABAP program Program name:

JobName	Spool	Job doc	Job CreatedB	Status	Start date	Start Time	Duration(sec.)	Delay (sec.)
ODQR_20220928_080057_000141_C			TH30085	Active	28.09.2022	10:00:58	28	0
*Summary							28	0

Job Log Entries for ODQR_20220928_080057_000141_C / 10005800

Job log overview for job: ODQR_20220928_080057_000141_C / 10005800

Date	Time	Message text	Message class	Message no.	Message type
28.09.2022	10:00:58	Job started	00	516	S
28.09.2022	10:00:58	Step 001 started (program ODQ_TASK, variant &000005008661, user ID TH30085)	00	500	S
28.09.2022	10:00:58	Start of processing for request {2022-09-28 10:00:57 000141 CET} delayed by 0 seconds	S000	466	I
28.09.2022	10:00:58	Group request {2022-09-28 10:00:57 000141 CET} for queue BW/ABQM03SF	S000	129	I
28.09.2022	10:00:58	The selection conditions for the request are... (see subsequent messages)	S000	130	I
28.09.2022	10:00:58	Everything	S000	141	I
28.09.2022	10:00:58	Extraction is starting: Extraction mode 'C', package size 17,605.	S000	131	I
28.09.2022	10:00:58	Delta interval for extractor: 0 < TSN => {2022-09-28 10:00:57 000108 CET}	S000	138	I
28.09.2022	10:00:58	Source Requests {2021-01-24 20:58:12 000001 CET}	RS5K	018	S
28.09.2022	10:00:58	Source Requests {2021-01-25 10:58:15 000007 CET}	RS5K	018	S
28.09.2022	10:00:58	Source Requests {2022-02-24 17:31:23 000149 CET}	RS5K	018	S
28.09.2022	10:00:58	Source Requests {2022-02-25 03:20:38 000000 CET}	RS5K	018	S
28.09.2022	10:00:58	Source Requests {2022-02-25 08:17:38 000072 CET}	RS5K	018	S
28.09.2022	10:00:58	Source Requests {2022-02-25 13:02:05 000003 CET}	RS5K	018	S
28.09.2022	10:00:58	Source Requests {2022-02-25 17:02:52 000213 CET}	RS5K	018	S
28.09.2022	10:00:58	Extractor initialized	S000	132	I
28.09.2022	10:00:58	Extraction completed in table ODQDATA_C (4,220,214 data records, 240 packages)	S000	133	I
28.09.2022	10:00:58		S000	466	I
28.09.2022	10:00:58		S000	666	I
28.09.2022	10:00:58	Job finished	00	517	S

If run again with the same subscriber name, there will be no data and the log in BW will say no new request

Job log overview for job: ODQR_20220928_083925_000014_D / 10392500

Date	Time	Message text
28.09.2022	10:39:25	Job started
28.09.2022	10:39:25	Step 001 started (program ODQ_TASK, variant &0000005008663, user ID TH30085)
28.09.2022	10:39:25	
28.09.2022	10:39:25	Start of processing for request {2022-09-28 10:39:25 000014 CET} delayed by 0 seconds
28.09.2022	10:39:25	Group request {2022-09-28 10:39:25 000011 CET} for queue BW/ABQM03SF
28.09.2022	10:39:25	The selection conditions for the request are... (see subsequent messages)
28.09.2022	10:39:25	Everything
28.09.2022	10:39:25	Extraction is starting: Extraction mode 'D', package size 17,605.
28.09.2022	10:39:25	Delta interval for extractor: {2022-09-28 10:00:57 000108 CET} < TSN <= {2022-09-28 10:39:25 000008 CET} / no new request => exiting...
28.09.2022	10:39:26	Group request {2022-09-28 10:39:25 000011 CET} has completed the extraction phase
28.09.2022	10:39:26	
28.09.2022	10:39:26	Job finished

If selection wrong in case of enter plant in correct

Job log overview for job: ODQR_20220928_084516_000001_F / 10451600

Date	Time	Message text
28.09.2022	10:45:16	Job started
28.09.2022	10:45:16	Step 001 started (program ODQ_TASK, variant &0000005008664, user ID TH30085)
28.09.2022	10:45:16	
28.09.2022	10:45:16	Start of processing for request {2022-09-28 10:45:16 000001 CET} delayed by 0 seconds
28.09.2022	10:45:16	Group request {2022-09-28 10:45:16 000001 CET} for queue BW/ABQM03SF
28.09.2022	10:45:16	The selection conditions for the request are... (see subsequent messages)
28.09.2022	10:45:16	/BIC/C_PLANT IN
28.09.2022	10:45:16	I EQ '8405'
28.09.2022	10:45:16	Extraction is starting: Extraction mode 'F', package size 17,806.
28.09.2022	10:45:16	Extractor initialized
28.09.2022	10:45:17	Extraction completed in table ODQDATA_F (0 data records, 0 packages)
28.09.2022	10:45:17	
28.09.2022	10:45:17	
28.09.2022	10:45:17	Job finished

In case it is OK

Number of Entries Cancel

COSTCENTER to
CO_AREA to
/BIC_C_COSTCEN to
PROFIT_CTR to
/BIC_DISPO
/BIC_C_CUSTID
/BIC_C_BATCH2
/BIC_C_MATNR2
/BIC_C_BISMT
/BIC_C_AUFNR
/BIC_C_KTEXT
INSPYTYPE
MASTERCHAR
MCHAR_PLNT
LOT_HERK
/BIC_C_PLANT

Display Number of Entries

Number of entries that meet the selection criteria: 6,262

0267

Job log overview for job: ODOOR_20220928_085130_000001_F / 10513000

Date	Time	Message text
28.09.2022	10:51:31	Job started
28.09.2022	10:51:31	Step 001 started (program ODO_TASK, variant 80000005008666, user ID TH30085)
28.09.2022	10:51:31	
28.09.2022	10:51:31	Start of processing for request (2022-09-28 10:51:30 000001 CET) delayed by 0 seconds
28.09.2022	10:51:31	Group request (2022-09-28 10:51:30 000001 CET) for queue BW/AABOM032F
28.09.2022	10:51:31	The selection conditions for the request are... (see subsequent messages)
28.09.2022	10:51:31	/BIC_C_PLANT IN
28.09.2022	10:51:31	EQ '0267'
28.09.2022	10:51:31	Extraction is starting: Extraction mode 'F', package size 17,806.
28.09.2022	10:51:32	Extractor initialized
28.09.2022	10:51:34	Extraction completed in table ODOODATA_F (6,262 data records, 1 packages)
28.09.2022	10:51:34	
28.09.2022	10:51:34	Job finished