Important Notes

Wednesday, July 6, 2022 11:19 AM

TCU
Parameters found at
TripCalibrationParameters.cpp line 53
TripCalUnitId_t
CategoryId_t
EltPeriod_t
TripCalMode_t
Database: TRES_PSEUDO_XCAT_TRACKING
MainFIle: TripCalibration.cpp
Found database in mainfile
Metric table: TCU_MONITOR.TRAS_METRICS_TRIP_CAL;
#./run_TCU.sh 1078 5680 18686 1
TCU_RESDATA.TRES_ELTPERIODS_DETAILS => Elementry Period

PF:
#./run_productFilter.sh 1045051 68 1101 68 3 DPUNAX1
DMART, PRODCYCLE, SERVICEID,CLOSINGPERIOD,NBPERIODS, DB
BUCLIENTDATAMARTS - Configuration.cpp line 444
PRODFILTERMETRICS - Statistic manager line 180
prodfiltermetrics(DMID and rest except PRODCYCLE) , Buclientsdatamarts (PRODCYCLE , DMID) --- for product filter databases
metrics : prodfiltermetrics

Trend Aggregation:
CPSMONITOR.RESTAAGGRSTATS (Statistic Manager : line 404)
parameters:
DMART = 1080927, PRODCYCLE = 153 , SERVICEID = 5024, CLOSINGPERIOD = 93 , NBPERIODS 1 , DB = DPQAL1
metrics table: CPSMONITOR.RESTAAGGRSTATS
while running : Code 50227: Exception: Can not open file "/CPS/ncps/jeevan/TA/apollo.conf"

SP:
DMART = 1080927, PRODCYCLE = 153 , SERVICE ID = 5024, CLOSING PERIOD = 14 (NC_PERPRODUCE), NBPERIODS = 26 (NC_MAXPERPRODUCE) , DB = DPQAL1
Table: CPSMONITOR.AGGREGATIONMETRICS (not found closing period)
metric table: CPSMONITOR.AGGREGATIONMETRICS

IE:
DM_ID = 1080530 , SERV_ID = 2038 , PROD_CYCLE = 70 , DB
metric table AND Database: CPSMONITOR.INTEGRITYSTKCMETRICS; (inside MetricsWriter line 35)
allocating 0x11898a0 (prev: (nil) , next: (nil))
gason.cpp(116): 4096 bytes are going to be deallocated.
freeing 0x11898a0 (prev: (nil) , next: (nil))

DE
Dmart id: 1080827 Service id: 2038 setup id: 1148 DB: DPQAL1
Database : RESDELIVERYSETUPS (configuration.cpp line 743)
Metric table: DELIVERYMETRICS; (Workarea.cpp line 69)
allocating 0x18d9430 (prev: (nil) , next: (nil))
gason.cpp(116): 4096 bytes are going to be deallocated.
freeing 0x18d9430 (prev: (nil) , next: (nil))

1. find how the input and output refactoring is configured in product filter and aggregation. from which tables and from the code

Product Filter

* how input refactoring is configured

o In configuration.cpp input refactoring is took as standard (read files from oracle)

o If input refactoring mode is not standard then get the connection details such as api key user name password and call the rest api to get connection details , log the rest api url and request response json and from that get json values for the following status , oracle user , oracle password , fg_database, processing_server , parquet_data_dir , parquet_index_data_dir , hive jdbc connect string.

o Line 923 of COnfiguratin.cpp redirects you to line 168 of Parameters.cpp to line 315 of parameters.cpp and from line 326 to line 108 of parameters.h:

o Come back to line 938 & 951of configuration.cpp

o If input refactoring mode is standard use TCU_BATCH_CONNECT string as connection string and if it is parquet file use HIVE_DP_BATCH_CONNECT AS THE CONNECTION STRING , it consists of HIVE_DP_DATABASE_NAME and ADLS_CONNECTION_STRING.

o These variables will be declared in launch_regression.sh

* how output refactoring is configured

o There is no output refactoring in product filter , because we don't write any changes to the hive from product filter , so m_refactoring variable not present

* from which table input refactoring configured

o From sysparameters & INSDMARTPARAMS , INSDMARTPARAMETERS

* from which table output refactoring is configured

o No output refactoring

* which part of the code input refactoring occurred

o Line 923 of configuration.cpp in product filter

* which part of the code output refactoring occurred

o No output refactoring done

Aggregation

Input and output refactoring mode is kept in standard mode

* how input refactoring is configured

• We could not navigate through GetUnit

o Line 1496 GetUint function

o If input Refactoring mode is standard then import the TCU_BATCH_CONNECT and assign it to connection string, if it is parquet we import HIVE details like hive database name , hive dp_batch_connect , adls_connection_string

o Line 1975: if it is not in standard output refacting mode then log the output hive details

o Basic details of Input and output refactoring are store in aggregationTypes.h

* how output refactoring is configured

o We print hive details parquet details in line 1975

o Not found anything related to configuration of output refactoring

o Just found the datatype created for output refactoring call RefactoringMode_t (RM_STANDARD , RM_REPLATFORMED, RM_PILOT)

* from which table input refactoring configured

o INSDMARTPARAMS

* from which table output refactoring is configured

o BUCLIENTDATAMARTS.NC_REFACTOR_MODE

* which part of the code input refactoring occurred

o LINE 1496 GetUnit Function Configuration.cpp

* which part of the code output refactoring occured

o Don't know

2. What are the configurations required for input and output refactoring

3. how we write data in parquet in aggregation

* we enter into aggoutputhandler where in constructor we initialize the configuration and create an instance for it and load the product hierarchy for it and some cube and reporting period details and

if the output is dat file or not. We initialize the fact manager also
* cubetype for UNIV is UCD , TBSk is BCD , STD is ACD
* if refactoring mode is standard make dat file enabled as for standard mode we use oracle and for oracle we use dat file , so enable it as true. Get the tbsk or univ or std facts as required. Every cube has its own writer to write in the dat file
* but for parquet file if refactoring mode is not standard then make parquet flag as true
* the main function for injection of data into oracle or parquet file is create inject node where if we have refactoring mode as standard then populate column info (column names and its datatypes will be populated in m_columninfo)
* if it standard populate column info with its column names and its datatype , define its structure
* if it is not standard we load the structure of the hive database
* line 172 – 209
* AggOutputHandler 361
4. what aggregation do with parquets after creating them
5.how to check the parquets in hive

Trip Calibration Unit - Rahul Kedar
select * from TCU_MONITOR.TRAS_METRICS_TRIP_CAL;
select * from TCU_RESDATA.TRES_ELTPERIODS_DETAILS;

Standard Processing - Jeevan
SELECT * FROM CPSMONITOR.AGGREGATIONMETRICS;
select * from buclientdatamarts;
SELECT * FROM RESRPTPERIODS;

Fg - Delivery
Select * from DELIVERYMETRICS
