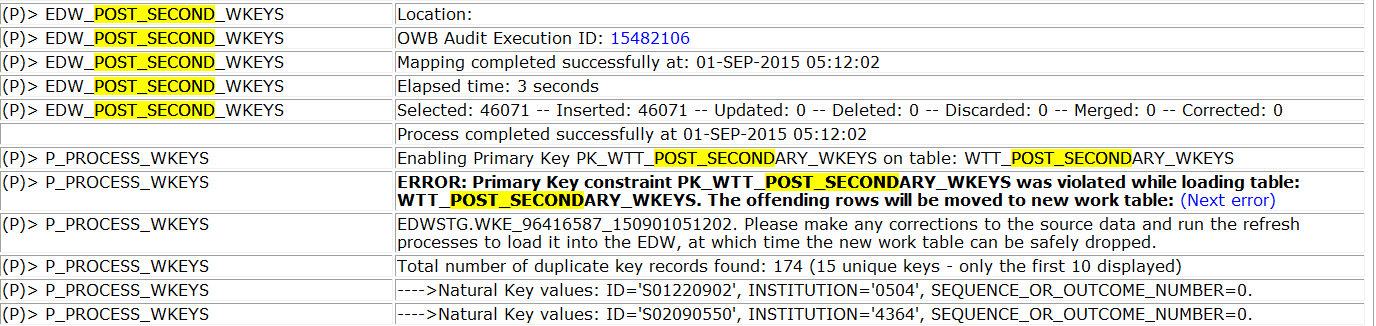
We received a refresh error in the post\_secondary star. Our nightly refresh of SRP is done by way of the wide refresh product. The entire control report is attached (control\_report.pdf), but the following is the important part:



*Note: The other errors in the control report regarding chg\_student\_progress are not relevant to this; those are for a separate issue we had been working with Eric Morneault on last year.*

So we can see in the control report the error table is EDWSTG.WKE\_96416587\_150901051202. I have attached the entire output of that WKE table (wke\_table.xlsx). Upon querying that error table, it is obvious the records are for the post\_secondary star, however, they are stamped with “TEST” in the system\_load\_process field for some reason.

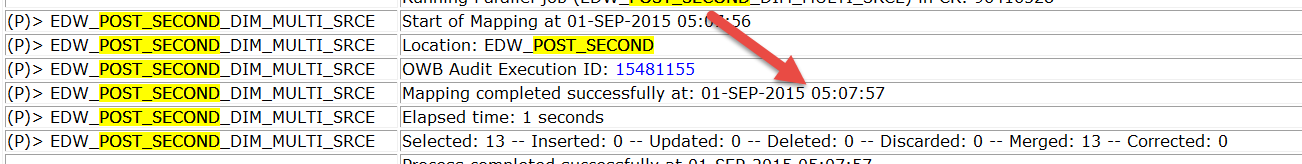
The WKE table is built by way of the P\_PROCESS\_WKEYS procedure in EDWSTG, however, that only generates dynamic SQL that pulls from the wkeys table. So we can deduct that “TEST” exists in the system\_load\_process for the WKEYS table as well.

If you look at the mapping (EDW\_POST\_SECONDARY\_WKEYS), within the joiner (the code is attached as “joiner\_code.sql”) you’ll see that line 23 of the code displays the sytem\_load\_process origin:

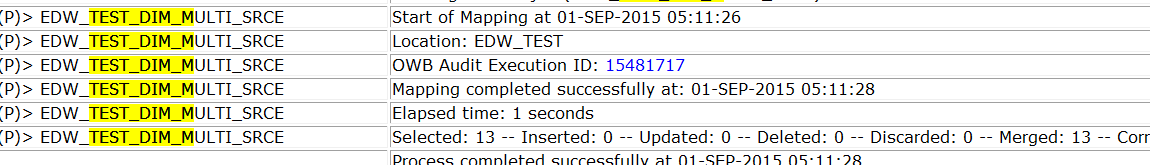
"WDT\_MULTI\_SOURCE"."SYSTEM\_LOAD\_PROCESS" "SYSTEM\_LOAD\_PROCESS",

Look in the control report for a timeline of things:

Post secondary star finished updating the wdt\_multi\_source dimension at 5:07:57

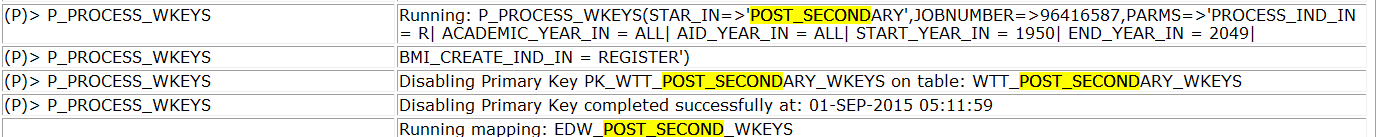


TEST star finished updating wdt\_multi\_source dimension at 5:11:28

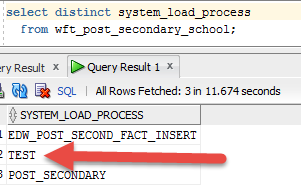


So at 5:11:28, the value in wdt\_multi\_source.system\_load\_process was “TEST”.

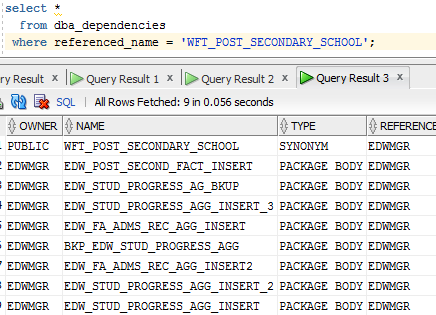
The post\_secondary WKEYS didn’t start until 5:11:59 (as it was busy populating other dimensions’ data):



So when the WKE\_\* table was built for the bad records, it used the value in WDT\_MULTI\_SOURCE, which was “TEST”, even though the star with the erroneous records was POST\_SECONDARY. Additionally, all fact records in WFT\_POST\_SECONDARY\_SCHOOL will be labeled as “TEST”. This is incorrect.



We can clearly see that the TEST star never touches the table WFT\_POST\_SECONDARY\_SCHOOL:



There needs to be a method to populate the system\_load\_process within the WKEYS mappings that derives from the star it’s populating, not simply pulling the field in from whatever star last updated WDT\_MULTI\_SOURCE, else, the parallel (wide) refresh/load method should not be used.