

Database - Feature #4400

add /* UUID */ in where clause comment for every 4GL query so that SQL logging can easily be mapped back to the specific 4GL query being processed

11/11/2019 04:19 PM - Greg Shah

Status: New	Start date:
Priority: Normal	Due date:
Assignee:	% Done: 0%
Category:	Estimated time: 0.00 hour
Target version:	version:
billable: No	
vendor_id: GCD	
Description	
Related issues:	
Related to Database - Feature #5883: use UUIDs to associate locations in the ...	New
Related to Database - Feature #7943: improvements in lock management for diag...	New

History

#1 - 11/11/2019 04:23 PM - Greg Shah

The idea:

- In early annotations, we calculate a UUID for every 4GL query and store it as an annotation.
- In conversion, we include this as a comment in the FQL. Presumably, this would be in the where clause. By placing it in a /* UUID */ comment, it will have no effect on the result.
- This should not be stripped out when we generate SQL. That way any downstream logging will include the UUID.
- Since this will be easily visible in the Java code, we can map SQL back to specific queries.
- A report can be added to analytics to provide this mapping all the way back to the 4GL code.
- We will want to make the UUID calculation as stable as possible so that the values for a given 4GL query do not change much.

#2 - 12/08/2021 02:29 PM - Greg Shah

- Related to Feature #5883: use UUIDs to associate locations in the converted source code with lock operations added

#3 - 10/19/2023 04:44 PM - Greg Shah

- Related to Feature #7943: improvements in lock management for diagnostics and release of orphaned locks added