

Database - Feature #3705

custom query/index/field reports

09/05/2018 12:21 PM - Eric Faulhaber

Status:	Test	Start date:	
Priority:	Normal	Due date:	
Assignee:	Eric Faulhaber	% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:		version:	
billable:	No		
vendor_id:	GCD		
Description			

History

#1 - 09/05/2018 12:28 PM - Eric Faulhaber

Customers have expressed interest in knowing the following about their applications:

- a list of queries which don't have a matching index (default to the primary index);
- a list of defined indices which are never used;
- a list of database fields which are never referenced by application code.

In each case, we can only determine the use of these resources in static application code. Dynamic references defined at runtime (i.e., in dynamic buffers and queries) cannot be determined during conversion. Likewise, dynamically defined tables are out of scope for this task.

Ultimately, we want to add these reports to the source code analytics tool; however, currently, the information is only determined in steps of the conversion which are executed after the analytics tool generates its reports. The goal is to push these phases up in part, to allow this information to be collected early enough in the process to be included as analytics reports. However, for now, the reports will be simple text files generated during conversion.

#2 - 09/11/2018 03:23 AM - Eric Faulhaber

- % Done changed from 0 to 100
- Status changed from WIP to Test
- File *unreferenced_database_fields.txt* added
- File *unindexed_queries.txt* added
- File *unused_database_indices.txt* added

Implemented support for all 3 reports in 3601a/11318. Example output for Hotel GUI project is attached.

#3 - 09/11/2018 12:48 PM - Eric Faulhaber

Regression testing revealed some flaws. These are fixed in rev 11320. Continuing testing...

Files

unreferenced_database_fields.txt	3.16 KB	09/11/2018	Eric Faulhaber
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unindexed_queries.txt	23.8 KB	09/11/2018	Eric Faulhaber
unused_database_indices.txt	801 Bytes	09/11/2018	Eric Faulhaber