

Database - Bug #2236

HQL error generated from dynamically converted query with extent field reference in where clause

01/25/2014 08:19 PM - Eric Faulhaber

Status: Closed	Start date:
Priority: Normal	Due date:
Assignee: Stanislav Lomany	% Done: 100%
Category:	Estimated time: 0.00 hour
Target version: Cleanup and Stablization for Server Features	case_num:
billable: No	
vendor_id: GCD	
Description	
Related issues:	
Related to Database - Feature #1652: add conversion and runtime support for d...	Closed 04/11/2013 06/18/2013

History

#1 - 01/25/2014 08:29 PM - Eric Faulhaber

Failing test case is dbuf-query-extent1-dt.p (Stanislav: please provide test case; it is not currently in the testcases project).

Hibernate error is:

```
[01/23/2014 19:54:50 TMT] (com.goldencode.p2j.persist.Persistence:WARNING) [00000001:00000007:syman-->local/_temp/primary] error executing query [select tt__1.id from DynamicRecordImpl as tt__1 where ((tt__1.__multiplex = ?) and (tt__1.field1[2] = 3)) order by tt__1.__multiplex asc, tt__1.id asc]
```

My initial guess of the cause is that we are bypassing the HQLPreprocessor, which would normally rewrite the HQL. See the discussion of this issue in [#1652](#), starting at note 118.

#2 - 01/26/2014 09:57 AM - Eric Faulhaber

- Assignee set to Stanislav Lomany

#3 - 02/04/2014 01:17 PM - Stanislav Lomany

I'll post the testcase here.

```
def var th as handle.  
def var bh as handle.  
def var qh as handle.
```

```
create temp-table th.  
th:undo = true.  
th:add-new-field("f1", "integer", 3).
```

```
th:temp-table-prepare("tt").

bh = th:default-buffer-handle.
bh:buffer-create.
bh:buffer-field("f1"):buffer-value(1) = 1.
bh:buffer-field("f1"):buffer-value(2) = 2.
bh:buffer-field("f1"):buffer-value(3) = 3.
bh:buffer-release.

create query qh.
qh:set-buffers(bh).
qh:query-prepare("for each tt where tt.f1[3] = 3").
qh:query-open.
qh:get-next.
message string(bh:buffer-field("f1"):buffer-value(2)).
```

The issue was related to the fact that entries for dynamic tables are missing in DatabaseManager.composites. DatabaseManager.dynamicComposites context-local map was added to address this.

#4 - 02/05/2014 04:53 AM - Stanislav Lomany

- Status changed from New to WIP
- File svl_upd20140205a.zip added

Update for review. Contains:

1. fix for this issue
2. part of COPY-TEMP-TABLE functionality
3. fix for BUFFER-VALUE for extents

#5 - 02/07/2014 09:55 AM - Eric Faulhaber

Code review 20140205a:

In general, looks good. Please regression test.

There are some new TODOs added to TemporaryBuffer.copyAllRows. What is the plan for those?

I noticed one case of new HashMap() (i.e., no "<>") (line 1759 in TemporaryBuffer). Does that produce a compiler warning? If so, please clean it up.

#6 - 02/07/2014 02:42 PM - Stanislav Lomany

There are some new TODOs added to TemporaryBuffer.copyAllRows. What is the plan for those?

1.

```
// TODO in copy-temp-table sorting order affects which record remains in constraints  
// violation case. The correct sorting is by primary index if it presents or by  
// the index with the lexicographically first name.
```

As far as I've tested it affects only COPY-TEMP-TABLE, so no plans.

2.

```
// TODO also validate against already copied records
```

You should decide if the case when we have two tables with the same structure but different unique indexes during TABLE PARAMETER processing should be addressed now (I have a similar note in TABLE PARAMETER thread).

#7 - 02/09/2014 06:24 AM - Stanislav Lomany

- File deleted (svl_upd20140205a.zip)

#8 - 02/09/2014 06:26 AM - Stanislav Lomany

- File svl_upd20140205a.zip added

Committed to bzd revision 10460.

#9 - 02/09/2014 06:56 AM - Stanislav Lomany

- Status changed from WIP to Review

#10 - 02/24/2014 11:22 AM - Eric Faulhaber

- % Done changed from 0 to 100

- Status changed from Review to Closed

#11 - 11/16/2016 12:07 PM - Greg Shah

- Target version changed from Milestone 11 to Cleanup and Stabilization for Server Features

Files

svl_upd20140205a.zip	90.6 KB	02/09/2014	Stanislav Lomany
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