

## Database - Feature #2055

### RECID AND ROWID IN WHERE CLAUSE

02/26/2013 04:59 AM - Costin Savin

|                        |  |                        |            |
|------------------------|--|------------------------|------------|
| <b>Status:</b>         | Closed                                 | <b>Start date:</b>     | 02/26/2013 |
| <b>Priority:</b>       | Normal                                 | <b>Due date:</b>       |            |
| <b>Assignee:</b>       | Costin Savin                           | <b>% Done:</b>         | 100%       |
| <b>Category:</b>       |  | <b>Estimated time:</b> | 0.00 hour  |
| <b>Target version:</b> | Conversion Support for Server Features | <b>vendor_id:</b>      | GCD        |
| <b>billable:</b>       | No                                     |                        |            |
| <b>Description</b>     |  |                        |            |

#### History

##### #1 - 02/26/2013 05:01 AM - Costin Savin

Next error is in ../vcpl/daqueau0.p:

EXPRESSION EXECUTION ERROR:

```
-----  
throwException( sprintf("Unknown expression return type: %s", rettype), this)  
^ { Unknown expression return type: rowid [FUNC_ROWID id <99845104744947> 2599:78] }
```

ERROR:

java.lang.RuntimeException: ERROR! Active Rule:

#### RULE REPORT

```
-----  
Rule Type : WALK  
Source AST: [ ROWID ] BLOCK/PROCEDURE/BLOCK/STATEMENT/KW_IF/KW_THEN/INNER_BLOCK/BLOCK/STATEMENT/KW_IF/KW_THEN  
/INNER_BLOCK/BLOCK/INNER_BLOCK/BLOCK/STATEMENT/KW_FIND/RECORD_PHRASE/KW_WHERE/EXPRESSION/EQUALS/FUNC_ROWID/ @2  
599:78 {99845104744947}  
Copy AST : [ ROWID ] BLOCK/PROCEDURE/BLOCK/STATEMENT/KW_IF/KW_THEN/INNER_BLOCK/BLOCK/STATEMENT/KW_IF/KW_THEN  
/INNER_BLOCK/BLOCK/INNER_BLOCK/BLOCK/STATEMENT/KW_FIND/RECORD_PHRASE/KW_WHERE/EXPRESSION/EQUALS/FUNC_ROWID/ @2  
599:78 {99845104744947}  
Condition : throwException( sprintf("Unknown expression return type: %s", rettype), this)  
Loop : false  
--- END RULE REPORT ---
```

This is occurring in annotations/where\_clause\_post2.rules. Looks like we need to add rowid (and recid) into the vartypes map. I think this means we need similar changes to the exptypes map above it. Note that classes RowidExpression and RecidExpression do not currently exist.

**#2 - 02/26/2013 08:53 AM - Costin Savin**

Is there any case for RECID I can use?

For ROWID I tested the changes with something like FIND FIRST book WHERE TO-ROWID(book.price) = ROWID(customer) NO-LOCK NO-ERROR.

but for RECID there is no equivalent to TO-ROWID

**#3 - 02/26/2013 09:11 AM - Constantin Asofiei**

Costin, use this test:

```
function func0 returns recid(buffer bb for book). end.  
find first book where func0(book.book-id) = recid(book).
```

**#4 - 02/26/2013 09:59 AM - Costin Savin**

- File *cs\_upd20130226b.zip* added

Derived a case from that for recid  
Added proposed update.

**#5 - 02/26/2013 10:14 AM - Constantin Asofiei**

I'm reviewing this now.

**#6 - 02/26/2013 10:17 AM - Constantin Asofiei**

Beside the header in RecidExpression (where you reference RowidExpression), I don't see any problems. I'm putting this into conversion regression testing on my system.

**#7 - 02/26/2013 11:08 AM - Costin Savin**

- File *cs\_upd20130226c.zip* added

Eliminated the problems from previous update

**#8 - 02/26/2013 12:26 PM - Constantin Asofiei**

Conversion regression testing has passed, please check in and distribute update.

**#9 - 02/26/2013 12:37 PM - Costin Savin**

Committed to bzd as revision 10212.

**#10 - 02/26/2013 05:54 PM - Eric Faulhaber**

- Status changed from New to Closed

- % Done changed from 0 to 100

**#11 - 11/16/2016 11:07 AM - Greg Shah**

- Target version changed from Milestone 4 to Conversion Support for Server Features

**#12 - 11/18/2016 11:36 AM - Greg Shah**

- Description updated

**Files**

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|                     |         |            |              |
|---------------------|---------|------------|--------------|
| cs_upd20130226b.zip | 7.23 KB | 02/26/2013 | Costin Savin |
| cs_upd20130226c.zip | 7.23 KB | 02/26/2013 | Costin Savin |