

Database - Bug #8554

resolving temp-tables in a class hierarchy

03/31/2024 10:28 AM - Constantin Asofiei

Status:	Test	Start date:	
Priority:	High	Due date:	
Assignee:	Constantin Asofiei	% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:		case_num:	
billable:	No		
vendor_id:	GCD		
Description			

History

#1 - 03/31/2024 10:35 AM - Constantin Asofiei

There are some problems when resolving temp-tables in a hierarchy.

- oo.Test1:

```
class oo.Test1:
  def private temp-table ttl before-table bttl field fa as int.

  method public void m1().
    def var ht as handle.
    def var hb as handle.
    def var hf as handle.

    create temp-table ht.
    ht:create-like("ttl").
    ht:temp-table-prepare("tt2").
    hb = ht:default-buffer-handle.
    hf = hb:buffer-field("fa") no-error.
    message hf:name error-status:error error-status:get-message(1).
  end.
end.
```

- oo.Test2

```
class oo.Test2
inherits oo.Test1:
  def private temp-table ttl before-table bttl field f1 as int.

  constructor public Test2().
    m1().

    def var hb4 as handle.
    def var hf as handle.
    hb4 = temp-table ttl:before-table.
    hf = hb4:default-buffer-handle:buffer-field("f1") no-error.
    message hf:name error-status:error error-status:get-message(1).
  end.
end.
```

- testrun.p

```
def var l as oo.Test2.
l = new oo.Test2().
```

The issues are:

- temp-tables during the constructor are registered with BufferManager using without the defining type. This creates collisions - the DMO definition has the type where is defined, but is not being used to register the 'pending temp-table' with BufferManager
- AbstractTempTable.computeTableType does not consider the defining type of the temp-table - it will use just the before-table's name, and look into BufferManager. This can end up with the wrong before-table instance being resolved.

These problems were found in the #8363 app.

#2 - 04/01/2024 08:49 AM - Constantin Asofiei

DATASET:CREATE-LIKE("<dataset-name>") needs to be checked, too.

#4 - 04/04/2024 05:31 AM - Constantin Asofiei

- % Done changed from 0 to 80
- Status changed from New to WIP
- Assignee set to Constantin Asofiei

Created task branch 8554a from trunk rev 15119.

15120 and 15121 has a rough fix for this - need to validate it.

#5 - 04/04/2024 07:41 AM - Constantin Asofiei

- Status changed from WIP to Review
- % Done changed from 80 to 100

15122 fixes some issues, javadocs and some errors which must not set ERROR-STATUS:ERROR. This can be reviewed.

I'm placing this in ETF testing.

#6 - 04/04/2024 04:21 PM - Constantin Asofiei

Ovidiu, please review this, I'll get ETF testing tomorrow and if is OK, I'd like to merge this tomorrow.

#7 - 04/04/2024 06:39 PM - Ovidiu Maxiniuc

Review of 8554a, r15120-15122.

I am OK with the code. I'm sorry I made a mess with condition codes which do and do not generate errors. I hope there are no others. Is it possible to reduce the visibility of g/setDefiningType() for datasets only to package or protected?

#8 - 04/06/2024 03:15 AM - Constantin Asofiei

- Status changed from Review to Merge Pending

Ovidiu, I've fixed the visibility in rev 15127 (after rebase).

ETF testing passed. It can be merged to trunk.

#9 - 04/06/2024 12:40 PM - Greg Shah

You can merge to trunk now.

Hynek: 8152a can merge after 8554a.

#10 - 04/06/2024 01:41 PM - Constantin Asofiei

Branch 8554a was merged into trunk as rev. 15125 and archived.

#11 - 04/07/2024 08:34 PM - Greg Shah

- *Status changed from Merge Pending to Test*