

## Base Language - Feature #6817

replace INSTANTIATING-PROCEDURE and other handle<ExternalProgram> with the actual referrent

10/06/2022 02:29 AM - Constantin Asofiei

<b>Status:</b>	Test	<b>Start date:</b>	
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Hynek Cihlar	<b>% Done:</b>	100%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>		<b>version:</b>	
<b>billable:</b>	No		
<b>vendor_id:</b>	GCD		
<b>Description</b>			
<b>Related issues:</b>			
Related to Base Language - Feature #6826: reduce the BDT usage in FWD runtime			<b>Review</b>

### History

#### #1 - 10/06/2022 02:30 AM - Constantin Asofiei

The referent (which is held in an ExternalProgram) needs to be kept as a WeakReference.

The part which needs special attention are cases when the handle references a DeferredProgramWrapper or a ProxyProcedureWrapper - these cases need to remain as 'handle'.

#### #2 - 10/06/2022 02:31 AM - Constantin Asofiei

Some work related to this has already been done in 6129a.

#### #3 - 10/06/2022 03:49 AM - Constantin Asofiei

- Related to Feature #6826: reduce the BDT usage in FWD runtime added

#### #4 - 01/04/2023 11:22 AM - Greg Shah

- Assignee set to Hynek Cihlar

#### #5 - 01/04/2023 11:23 AM - Constantin Asofiei

In Eclipse, there is a way to look for a field or local variable of a certain type. Other IDEs should have something similar. This search resulted in lots of handle defined fields or local variables, which can be replaced with the actual WrappedResource instance - this avoids having to call unwrap and other kind of checks when working directly with a handle instance.

Of course, this can be done only in cases where the FWD runtime knows for sure the type of the underlying WrappedResource. And as a reminder, handles referencing an ExternalProgramWrapper instance need special attention, as they can't always be replaced with the actual instance held by ExternalProgramWrapper.

The start should be the p2j.persist package followed by p2j.util.

#### #6 - 01/04/2023 02:44 PM - Hynek Cihlar

- Status changed from New to WIP

**#7 - 01/13/2023 05:23 PM - Hynek Cihlar**

- *File 6817a.diff added*

The attached diff contains handle replacements for the com.goldencode.p2j.persist Java package. I left several comments marked as 'HC' at the places I wasn't entirely clear about. Somebody from the DB department, please review.

**#8 - 01/16/2023 02:10 AM - Constantin Asofiei**

Hynek, I don't see any issue with the patch. Also, the comments don't introduce anything new. Please add header entries and commit it to 6129b.

**#9 - 01/16/2023 03:51 AM - Hynek Cihlar**

- *Status changed from WIP to Review*

- *% Done changed from 0 to 100*

I checked in the changes in 6129b revision 14364. In addition to the attached 6817a.diff I also modified the following files:

```
src/com/goldencode/p2j/oo/lang/OerequestInfo.java
src/com/goldencode/p2j/persist/DataSet.java
src/com/goldencode/p2j/util/AppServerHelper.java
src/com/goldencode/p2j/util/HandleOps.java
src/com/goldencode/p2j/util/InvokeConfig.java
```

Please review.

**#10 - 01/16/2023 03:51 PM - Constantin Asofiei**

- *Status changed from Review to Test*

6129b/14365 fixes a problem related to WidgetPool .

**#11 - 01/17/2023 02:35 AM - Hynek Cihlar**

Constantin Asofiei wrote:

6129b/14365 fixes a problem related to WidgetPool .

The change is good, thanks!

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**Files**

