

## Database - Bug #6478

### validate arguments for DYNAMIC-CURRENT-VALUE, DYNAMIC-SET-VALUE and DYNAMIC-NEXT-VALUE

05/31/2022 09:20 AM - Constantin Asofiei

<b>Status:</b>	Test	<b>Start date:</b>	
<b>Priority:</b>	High	<b>Due date:</b>	
<b>Assignee:</b>	Ovidiu Maxiniuc	<b>% Done:</b>	100%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>		<b>case_num:</b>	
<b>billable:</b>	No		
<b>vendor_id:</b>	GCD		
<b>Description</b>			

#### History

##### #2 - 05/31/2022 09:21 AM - Constantin Asofiei

Ovidiu, argument validation is not implemented for any of the DYNAMIC-CURRENT-VALUE, DYNAMIC-SET-VALUE and DYNAMIC-NEXT-VALUE cases. This can produce NullPointerExceptions or other abends.

Please fix this in 6129a.

##### #3 - 05/31/2022 05:46 PM - Ovidiu Maxiniuc

- Status changed from New to WIP

- % Done changed from 0 to 100

Fixed various aspects related to sequences:

- Added validation for specific methods. Extracted common code in worker procedures;
- Fixed error messages;
- Fixed default MIN value for sequences;
- Added support for using any numerical expressions in setters.

Committed revision 13901.

##### #4 - 06/01/2022 03:03 PM - Constantin Asofiei

Ovidiu, the sequence names should be lowercased in the map, see this patch:

```
### Eclipse Workspace Patch 1.0
#P p2j6129a
Index: src/com/goldencode/p2j/persist/SequenceManager.java
=====
--- src/com/goldencode/p2j/persist/SequenceManager.java      (revision 3648)
+++ src/com/goldencode/p2j/persist/SequenceManager.java      (working copy)
@@ -1139,7 +1139,7 @@
                                     k -> new HashMap<>());

    // add the object to database list
```

```
- dbSeqMap.put (sqlName, sequence);
+ dbSeqMap.put (sqlName.toLowerCase(), sequence);

// add it to legacy map only when sqlName != legName
if (!sqlName.equals(legName))
```

#### #5 - 06/01/2022 03:14 PM - Ovidiu Maxiniuc

Constantin Asofiei wrote:

Ovidiu, the sequence names should be lowercased in the map.

The sequence sql-name should be already in lowercase because it is computes like this:

```
<!-- convert Progress sequence name to a SQL-legal sequence name -->
<action>seqName = name.convert(text, name.table)</action>
```

Which makes me curious: what is the legacy name of sequence you encountered?

#### #6 - 06/01/2022 03:16 PM - Constantin Asofiei

Ovidiu Maxiniuc wrote:

Constantin Asofiei wrote:

Ovidiu, the sequence names should be lowercased in the map.

The sequence sql-name should be already in lowercase because it is computes like this:  
[...]

Which makes me curious: what is the legacy name of sequence you encountered?

This is with 'minimal' conversion rules, and the SQL is **not lowercased**.

**#7 - 06/01/2022 04:15 PM - Ovidiu Maxiniuc**

I understand. In this case the lowercase keys are required.

**#8 - 06/01/2022 04:28 PM - Constantin Asofiei**

Ovidiu Maxiniuc wrote:

I understand. In this case the lowercase keys are required.

Please ensure that 'sequences' value maps have the sequence name keys lowercased, everywhere is used. I haven't checked all.

**#9 - 06/02/2022 01:26 AM - Constantin Asofiei**

- *Status changed from WIP to Test*

Fixed SQL names in 6129a/13908

**#10 - 06/02/2022 05:35 PM - Ovidiu Maxiniuc**

Constantin Asofiei wrote:

Please ensure that 'sequences' value maps have the sequence name keys lowercased, everywhere is used. I haven't checked all.

The sequences structure is not dynamic. It is populated when the database is loaded and queried when information about the sequence is needed. So there are only two places where the field is accessed:

- the getter `getSequence()` already had the sequence name lowercased;
- you updated the setter in 6129a/13908.

All is OK now.