

Database - Bug #11924

H2SequenceHandler.safeGetCurrentValue yields NPE

09/30/2026 05:06 AM - Alexandru Lungu

|                          |                 |                        |                 |
|--------------------------|-----------------|------------------------|-----------------|
| <b>Status:</b>           | Review          | <b>Start date:</b>     |                 |
| <b>Priority:</b>         | Normal          | <b>Due date:</b>       |                 |
| <b>Assignee:</b>         | Alexandru Lungu | <b>% Done:</b>         | 100%            |
| <b>Category:</b>         |                 | <b>Estimated time:</b> | 0.00 hour       |
| <b>Target version:</b>   |                 | <b>reviewer:</b>       | Ovidiu Maxiniuc |
| <b>billable:</b>         | No              | <b>production:</b>     | No              |
| <b>vendor_id:</b>        | GCD             | <b>env_name:</b>       |                 |
| <b>case_num:</b>         |                 | <b>topics:</b>         |                 |
| <b>version_reported:</b> |                 |                        |                 |
| <b>version_resolved:</b> |                 |                        |                 |
| <b>Description</b>       |                 |                        |                 |

History

#2 - 09/30/2026 05:07 AM - Alexandru Lungu

- Assignee set to Alexandru Lungu

I attempted to run a large customer application with H2 database to regression test #8388. I got:

```
| | | [31m at com.goldencode.p2j.util.int64.longValue(int64.java:762) [0m
| | | [31m at com.goldencode.p2j.persist.sequence.H2SequenceHandler.safeGetCurrentValue(H2S
sequenceHandler.java:188) [0m
| | | [31m at com.goldencode.p2j.persist.sequence.H2SequenceHandler.safeGetNextValue(H2Sequ
enceHandler.java:240) [0m
| | | [31m at com.goldencode.p2j.persist.sequence.SequenceHandler.getNextValue(SequenceHand
ler.java:152) [0m
| | | [31m at com.goldencode.p2j.persist.SequenceManager.getValueImpl(SequenceManager.java:
1791) [0m
| | | [31m at com.goldencode.p2j.persist.SequenceManager.nextValue(SequenceManager.java:353
) [0m
```

When retrieving the next-value of a sequence from H2.

#3 - 09/30/2026 06:21 AM - Alexandru Lungu

- % Done changed from 0 to 100
- Status changed from New to Review
- reviewer Ovidiu Maxiniuc added

Fix is in 11924a/16775.

**#4 - 09/30/2026 06:24 AM - Alexandru Lungu**

PS: The original bug is the fact that the look-up by the sequence name was failing and yields NPE. Now it logs and returns an unknown value consistently. To fix the failed look-up, the sequence name should have been upper-cased before look-up, because FWD looks up for the current sequence value in an H2 system table and the sequence name is provided as a positional parameter. By default, the WHERE seqName = ? is not case insensitive, so making it upper-case should do the trick. It is an apparent regression of HE RAA 20230110, that moved the sequence name as a positional parameter without making it upper first.

This unblocks unit testing of a large customer GUI application using a H2 back-end.