

User Interface - Bug #11944

Swing GUI client OutOfMemoryError: deleted windows kept alive by unprocessed OS events

10/06/2026 08:25 AM - Razvan-Nicolae Chichirau

|                          |                          |                        |           |
|--------------------------|--------------------------|------------------------|-----------|
| <b>Status:</b>           | New                      | <b>Start date:</b>     |           |
| <b>Priority:</b>         | Normal                   | <b>Due date:</b>       |           |
| <b>Assignee:</b>         | Razvan-Nicolae Chichirau | <b>% Done:</b>         | 0%        |
| <b>Category:</b>         |                          | <b>Estimated time:</b> | 0.00 hour |
| <b>Target version:</b>   |                          | <b>reviewer:</b>       |           |
| <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

#1 - 10/06/2026 08:33 AM - Razvan-Nicolae Chichirau

Run this with a Swing GUI client:

```
define variable i      as integer no-undo.
define variable hMain as handle  no-undo.

pause 0 before-hide.
hMain = current-window.

do i = 1 to 20000:
  run oneWindow.
  if i mod 10 = 0 then
    display i label "Windows opened".
end.

procedure oneWindow:
  define variable hW as handle no-undo.

  create window hW assign width-chars = 300 height-chars = 90.
  hW:visible = true.
  current-window = hW.
  current-window = hMain.
  delete object hW.
end procedure.
```

The output of a jmap -histo:live ran every 5 seconds for the ClientDriver until OOM: [ShowHide](#)

-----

|          |                                                                                                     |                                                        |               |  |
|----------|-----------------------------------------------------------------------------------------------------|--------------------------------------------------------|---------------|--|
| 15:19:11 | pid 194636                                                                                          | heap used 41.3 MB / committed 136.0 MB / max 7852.0 MB | (0.5% of max) |  |
| 1.       | byte[]                                                                                              | 42394 inst                                             | 20.8 MB       |  |
| 2.       | int[]                                                                                               | 2986 inst                                              | 2.7 MB        |  |
| 3.       | java.lang.String                                                                                    | 40912 inst                                             | 0.9 MB        |  |
| 4.       | java.lang.Class                                                                                     | 5619 inst                                              | 0.7 MB        |  |
| 5.       | java.util.HashMap\$Node                                                                             | 18222 inst                                             | 0.6 MB        |  |
| 388.     | com.goldencode.p2j.ui.client.gui.driver.swing.SwingEmulatedWindow\$1                                | 1 inst                                                 | 0.0 MB        |  |
| 591.     | com.goldencode.p2j.ui.client.gui.driver.swing.SwingEmulatedWindow                                   | 1 inst                                                 | 0.0 MB        |  |
| 1172.    | com.goldencode.p2j.ui.client.gui.driver.swing.SwingEmulatedWindow\$4                                | 1 inst                                                 | 0.0 MB        |  |
| 1538.    | com.goldencode.p2j.ui.client.gui.driver.swing.SwingEmulatedWindow\$\$Lambda\$256/0x0000731c9c31b388 | 1 inst                                                 | 0.0 MB        |  |
| 1539.    | com.goldencode.p2j.ui.client.gui.driver.swing.SwingEmulatedWindow\$2                                | 1 inst                                                 | 0.0 MB        |  |
| 1540.    | com.goldencode.p2j.ui.client.gui.driver.swing.SwingEmulatedWindow\$3                                | 1 inst                                                 | 0.0 MB        |  |

```

-----
15:19:16 pid 194636 heap used 1237.9 MB / committed 2088.0 MB / max 7852.0 MB (15.8% of max)
  1. int[] 4141 inst 1067.8 MB
  2. byte[] 54097 inst 21.7 MB
  3. java.lang.String 52536 inst 1.2 MB
  4. sun.font.TrueTypeFont$DirectoryEntry 35399 inst 0.8 MB
  5. java.lang.Class 6470 inst 0.8 MB
 73. com.goldencode.p2j.ui.client.gui.driver.swing.SwingEmulatedWindow$1 48 inst 0.0 MB
130. com.goldencode.p2j.ui.client.gui.driver.swing.SwingEmulatedWindow 48 inst 0.0 MB
137. java.awt.image.BufferedImage 148 inst 0.0 MB
235. com.goldencode.p2j.ui.client.event.InvocationEvent 49 inst 0.0 MB
259. com.goldencode.p2j.ui.client.gui.driver.swing.SwingEmulatedWindow$4 48 inst 0.0 MB
382. com.goldencode.p2j.ui.client.gui.driver.swing.SwingEmulatedWindow$3 48 inst 0.0 MB
383. com.goldencode.p2j.ui.client.gui.driver.swing.SwingEmulatedWindow$3$$Lambda$320/0x0000731c9c41c228
    48 inst 0.0 MB
540. java.awt.event.InvocationEvent 5 inst 0.0 MB
1417. com.goldencode.p2j.ui.client.gui.driver.swing.SwingEmulatedWindow$$Lambda$256/0x0000731c9c31b388
    2 inst 0.0 MB
1418. com.goldencode.p2j.ui.client.gui.driver.swing.SwingEmulatedWindow$2 2 inst 0.0 MB
1589. com.goldencode.p2j.ui.client.gui.driver.swing.SwingEmulatedWindow$$Lambda$287/0x0000731c9c3bbac0
    1 inst 0.0 MB
1590. com.goldencode.p2j.ui.client.gui.driver.swing.SwingEmulatedWindow$2$$Lambda$371/0x0000731c9c42e718
    1 inst 0.0 MB
1889. com.goldencode.p2j.ui.client.gui.driver.swing.SwingEmulatedWindow$$Lambda$260/0x0000731c9c320000
    1 inst 0.0 MB
1890. com.goldencode.p2j.ui.client.gui.driver.swing.SwingEmulatedWindow$$Lambda$337/0x0000731c9c41f400
    1 inst 0.0 MB
-----
15:19:22 pid 194636 heap used 2949.0 MB / committed 4860.0 MB / max 7852.0 MB (37.6% of max)
  1. int[] 5512 inst 2668.8 MB
  2. byte[] 54746 inst 22.0 MB
  3. java.lang.String 53114 inst 1.2 MB
  4. sun.font.TrueTypeFont$DirectoryEntry 35399 inst 0.8 MB
  5. java.lang.Class 6473 inst 0.8 MB
 40. com.goldencode.p2j.ui.client.gui.driver.swing.SwingEmulatedWindow$1 119 inst 0.0 MB
 89. com.goldencode.p2j.ui.client.gui.driver.swing.SwingEmulatedWindow 119 inst 0.0 MB
 95. java.awt.image.BufferedImage 362 inst 0.0 MB
175. com.goldencode.p2j.ui.client.event.InvocationEvent 119 inst 0.0 MB
198. com.goldencode.p2j.ui.client.gui.driver.swing.SwingEmulatedWindow$4 119 inst 0.0 MB
270. com.goldencode.p2j.ui.client.gui.driver.swing.SwingEmulatedWindow$3 119 inst 0.0 MB
272. com.goldencode.p2j.ui.client.gui.driver.swing.SwingEmulatedWindow$3$$Lambda$320/0x0000731c9c41c228
    118 inst 0.0 MB
1414. com.goldencode.p2j.ui.client.gui.driver.swing.SwingEmulatedWindow$$Lambda$256/0x0000731c9c31b388
    2 inst 0.0 MB
1415. com.goldencode.p2j.ui.client.gui.driver.swing.SwingEmulatedWindow$2 2 inst 0.0 MB
1584. com.goldencode.p2j.ui.client.gui.driver.swing.SwingEmulatedWindow$2$$Lambda$371/0x0000731c9c42e718
    1 inst 0.0 MB
-----
15:19:27 pid 194636 heap used 4892.0 MB / committed 7852.0 MB / max 7852.0 MB (62.3% of max)
  1. int[] 7439 inst 4533.9 MB
  2. byte[] 55858 inst 22.4 MB
  3. java.lang.String 53525 inst 1.2 MB
  4. sun.font.TrueTypeFont$DirectoryEntry 35399 inst 0.8 MB
  5. java.lang.Class 6477 inst 0.8 MB
 30. com.goldencode.p2j.ui.client.gui.driver.swing.SwingEmulatedWindow$1 200 inst 0.1 MB
 73. com.goldencode.p2j.ui.client.gui.driver.swing.SwingEmulatedWindow 200 inst 0.0 MB
 75. java.awt.image.BufferedImage 616 inst 0.0 MB
156. com.goldencode.p2j.ui.client.event.InvocationEvent 201 inst 0.0 MB
170. com.goldencode.p2j.ui.client.gui.driver.swing.SwingEmulatedWindow$4 200 inst 0.0 MB
241. com.goldencode.p2j.ui.client.gui.driver.swing.SwingEmulatedWindow$3 200 inst 0.0 MB
242. com.goldencode.p2j.ui.client.gui.driver.swing.SwingEmulatedWindow$3$$Lambda$320/0x0000731c9c41c228
    200 inst 0.0 MB
453. java.awt.event.InvocationEvent 9 inst 0.0 MB
1107. com.goldencode.p2j.ui.client.gui.driver.swing.SwingEmulatedWindow$$Lambda$274/0x0000731c9c38ed18
    2 inst 0.0 MB
1221. com.goldencode.p2j.ui.client.gui.driver.swing.SwingEmulatedWindow$$Lambda$260/0x0000731c9c320000
    3 inst 0.0 MB
1504. com.goldencode.p2j.ui.client.gui.driver.swing.SwingEmulatedWindow$$Lambda$256/0x0000731c9c31b388
    2 inst 0.0 MB
1505. com.goldencode.p2j.ui.client.gui.driver.swing.SwingEmulatedWindow$2 2 inst 0.0 MB
1674. com.goldencode.p2j.ui.client.gui.driver.swing.SwingEmulatedWindow$$Lambda$259/0x0000731c9c31bd98
    1 inst 0.0 MB
1675. com.goldencode.p2j.ui.client.gui.driver.swing.SwingEmulatedWindow$$Lambda$287/0x0000731c9c3bbac0
    1 inst 0.0 MB
1676. com.goldencode.p2j.ui.client.gui.driver.swing.SwingEmulatedWindow$$Lambda$318/0x0000731c9c415cf8

```

```

1 inst          0.0 MB
1677. com.goldencode.p2j.ui.client.gui.driver.swing.SwingEmulatedWindow$2$$Lambda$371/0x0000731c9c42e718
1 inst          0.0 MB
1986. com.goldencode.p2j.ui.client.gui.driver.swing.SwingEmulatedWindow$$Lambda$319/0x0000731c9c41c000
1 inst          0.0 MB
-----
15:19:32 pid 194636 heap used 6377.4 MB / committed 7852.0 MB / max 7852.0 MB (81.2% of max)
1. int[]                8792 inst      5933.1 MB
2. byte[]               56442 inst     22.7 MB
3. java.lang.String     53701 inst      1.2 MB
4. sun.font.TrueTypeFont$DirectoryEntry 35399 inst      0.8 MB
5. java.lang.Class      6477 inst      0.8 MB
24. com.goldencode.p2j.ui.client.gui.driver.swing.SwingEmulatedWindow$1      262 inst      0.1 MB
62. com.goldencode.p2j.ui.client.gui.driver.swing.SwingEmulatedWindow      262 inst      0.0 MB
69. java.awt.image.BufferedImage      804 inst      0.0 MB
144. com.goldencode.p2j.ui.client.event.InvocationEvent      263 inst      0.0 MB
164. com.goldencode.p2j.ui.client.gui.driver.swing.SwingEmulatedWindow$4      262 inst      0.0 MB
228. com.goldencode.p2j.ui.client.gui.driver.swing.SwingEmulatedWindow$3      262 inst      0.0 MB
229. com.goldencode.p2j.ui.client.gui.driver.swing.SwingEmulatedWindow$3$$Lambda$320/0x0000731c9c41c228
262 inst      0.0 MB
336. java.awt.event.InvocationEvent      20 inst      0.0 MB
915. com.goldencode.p2j.ui.client.gui.driver.swing.SwingEmulatedWindow$$Lambda$260/0x0000731c9c320000
6 inst          0.0 MB
916. com.goldencode.p2j.ui.client.gui.driver.swing.SwingEmulatedWindow$$Lambda$274/0x0000731c9c38ed18
3 inst          0.0 MB
1233. com.goldencode.p2j.ui.client.gui.driver.swing.SwingEmulatedWindow$$Lambda$287/0x0000731c9c3bbac0
2 inst          0.0 MB
1527. com.goldencode.p2j.ui.client.gui.driver.swing.SwingEmulatedWindow$$Lambda$256/0x0000731c9c31b388
2 inst          0.0 MB
1528. com.goldencode.p2j.ui.client.gui.driver.swing.SwingEmulatedWindow$2      2 inst      0.0 MB
1704. com.goldencode.p2j.ui.client.gui.driver.swing.SwingEmulatedWindow$$Lambda$259/0x0000731c9c31bd98
1 inst          0.0 MB
1705. com.goldencode.p2j.ui.client.gui.driver.swing.SwingEmulatedWindow$$Lambda$318/0x0000731c9c415cf8
1 inst          0.0 MB
1706. com.goldencode.p2j.ui.client.gui.driver.swing.SwingEmulatedWindow$2$$Lambda$371/0x0000731c9c42e718
1 inst          0.0 MB
2013. com.goldencode.p2j.ui.client.gui.driver.swing.SwingEmulatedWindow$$Lambda$319/0x0000731c9c41c000
1 inst          0.0 MB
2014. com.goldencode.p2j.ui.client.gui.driver.swing.SwingEmulatedWindow$$Lambda$337/0x0000731c9c41f400
1 inst          0.0 MB
-----
15:19:38 pid 194636 heap used 7334.1 MB / committed 7852.0 MB / max 7852.0 MB (93.4% of max)
1. int[]                9093 inst     6873.3 MB
2. byte[]               53862 inst     22.7 MB
3. java.lang.String     52161 inst      1.2 MB
4. sun.font.TrueTypeFont$DirectoryEntry 35399 inst      0.8 MB
5. java.lang.Class      6328 inst      0.7 MB
23. com.goldencode.p2j.ui.client.gui.driver.swing.SwingEmulatedWindow$1      305 inst      0.1 MB
51. com.goldencode.p2j.ui.client.gui.driver.swing.SwingEmulatedWindow      305 inst      0.0 MB
57. java.awt.image.BufferedImage      920 inst      0.0 MB
124. com.goldencode.p2j.ui.client.event.InvocationEvent      305 inst      0.0 MB
142. com.goldencode.p2j.ui.client.gui.driver.swing.SwingEmulatedWindow$4      305 inst      0.0 MB
192. com.goldencode.p2j.ui.client.gui.driver.swing.SwingEmulatedWindow$3      305 inst      0.0 MB
195. com.goldencode.p2j.ui.client.gui.driver.swing.SwingEmulatedWindow$3$$Lambda$320/0x0000731c9c41c228
304 inst      0.0 MB
1389. com.goldencode.p2j.ui.client.gui.driver.swing.SwingEmulatedWindow$$Lambda$256/0x0000731c9c31b388
2 inst          0.0 MB
1390. com.goldencode.p2j.ui.client.gui.driver.swing.SwingEmulatedWindow$2      2 inst      0.0 MB
1559. com.goldencode.p2j.ui.client.gui.driver.swing.SwingEmulatedWindow$2$$Lambda$371/0x0000731c9c42e718
1 inst          0.0 MB

```

SwingEmulatedWindow instances are accumulating and at around 300 instances, the client receives an OOM. Memory usages on ChUI terminal/web or GUI web are OK.