

## Bugs - Bug #5

### using persistence functions in session hooks

05/31/2010 12:00 PM - Stanislav Lomany

<b>Status:</b>	New	<b>Start date:</b>	
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	0%
<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

#### #1 - 05/31/2010 01:36 PM - Stanislav Lomany

@44898 - issue 1:

1. Register this hook:

```
public class SessionHook
implements InitTermListener
{
    public void initialize()
    {
        Persistence persistence = PersistenceFactory.getInstance("p2j_test");
        RecordIdentifier ident = null;

        try
        {
            boolean beganTx = persistence.beginTransaction();

            Long pk = (Long) persistence.nextPrimaryKey("book");
            ident = new RecordIdentifier("book", pk);
            persistence.lock(LockType.EXCLUSIVE_NO_WAIT, ident, true);

            BookImpl book = new BookImpl();
            book.setBookId(new integer(9999));
            book.setBookTitle(new character("Some book"));
            book.setCost(new integer(10));
            book.setPrice(new integer(10));

            persistence.save(book, pk);
            if (beganTx)
            {
                persistence.commit();
            }
        }
        catch (PersistenceException exc)
        {
            System.out.println(exc);
        }
        finally
        {
            if (ident != null)
            {
                try
                {
                    persistence.lock(LockType.NONE, ident, true);
                }
                catch (LockUnavailableException exc)
                {
                    // unexpected
                }
            }
        }
    }
}
```

```
    }  
  }  
  
  public void terminate(Throwable t)  
  {  
  }  
}
```

2. Run a simple testcase that uses permanent buffers, e.g. `find first book no-lock`.

## #2 - 05/31/2010 01:40 PM - Stanislav Lomany

@44899 - issue 1 (cont):

3. You will the following exception when performing `RecordBuffer.openScope(book)`:

```
(StandardServer.invoke:SEVERE) {00000001:00000006:syman} Abnormal end!  
java.lang.reflect.InvocationTargetException  
    at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)  
    at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:39)  
    at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:25)  
    at java.lang.reflect.Method.invoke(Method.java:597)  
    at com.goldencode.p2j.util.Utills.invoke(Utills.java:1049)  
    at com.goldencode.p2j.main.StandardServer$MainInvoker.execute(StandardServer.java:1292)  
    at com.goldencode.p2j.main.StandardServer.invoke(StandardServer.java:761)  
    at com.goldencode.p2j.main.StandardServer.standardEntry(StandardServer.java:300)  
    at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)  
    at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:39)  
    at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:25)  
    at java.lang.reflect.Method.invoke(Method.java:597)  
    at com.goldencode.p2j.util.MethodInvoker.invoke(MethodInvoker.java:76)  
    at com.goldencode.p2j.net.Dispatcher.processInbound(Dispatcher.java:584)  
    at com.goldencode.p2j.net.Conversation.block(Conversation.java:316)  
    at com.goldencode.p2j.net.Conversation.run(Conversation.java:158)  
    at java.lang.Thread.run(Thread.java:619)
```

**#3 - 05/31/2010 01:40 PM - Stanislav Lomany**

@44900 - issue 1 (cont 2):

```
Caused by: java.lang.NullPointerException
  at com.goldencode.p2j.persist.BufferManager.resetState(BufferManager.java:723)
  at com.goldencode.p2j.util.TransactionManager.processResettables(TransactionManager.java:1678)
  at com.goldencode.p2j.util.TransactionManager.rollbackWorker(TransactionManager.java:1660)
  at com.goldencode.p2j.util.TransactionManager.rollback(TransactionManager.java:1521)
  at com.goldencode.p2j.util.TransactionManager.rollback(TransactionManager.java:1478)
  at com.goldencode.p2j.util.TransactionManager.abnormalEnd(TransactionManager.java:3128)
  at com.goldencode.p2j.util.TransactionManager.abnormalEnd(TransactionManager.java:3049)
  at com.goldencode.p2j.util.BlockManager.topLevelBlock(BlockManager.java:6924)
  at com.goldencode.p2j.util.BlockManager.externalProcedure(BlockManager.java:194)
  at com.goldencode.p2j.util.BlockManager.externalProcedure(BlockManager.java:180)
  at com.goldencode.testcases.Go.execute(Go.java:15)
  at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
  at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:39)
  at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:25)
  at java.lang.reflect.Method.invoke(Method.java:597)
  at com.goldencode.p2j.util.Utills.invoke(Utills.java:1049)
  at com.goldencode.p2j.main.StandardServer$MainInvoker.execute(StandardServer.java:1292)
  at com.goldencode.p2j.main.StandardServer.invoke(StandardServer.java:761)
  at com.goldencode.p2j.main.StandardServer.standardEntry(StandardServer.java:300)
  at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
  at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:39)
  at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:25)
  at java.lang.reflect.Method.invoke(Method.java:597)
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  at com.goldencode.p2j.net.Dispatcher.processInbound(Dispatcher.java:584)
  at com.goldencode.p2j.net.Conversation.block(Conversation.java:316)
  at com.goldencode.p2j.net.Conversation.run(Conversation.java:158)
  at java.lang.Thread.run(Thread.java:619)
```

Probably happens because openBuffers does not have a proper scopes added.

**#4 - 09/18/2011 07:35 PM - Redmine Admin**

@45194 - Status changed from WIP to Hold

**#5 - 04/12/2012 11:22 AM - Stanislav Lomany**

Imported from JPRM on 2012-04-12 11:22:57.783:

```
TASKID      = 5989
PROJECTID   = 124
STATUS      = 3 (Hold)
DESCRIPTION = using persistence functions in session hooks
OWNER       = SVL
ASSIGNEE    =
BILLABLE    = false
PRIORITY    = 5 (Normal)
PHASE       = 52 (Problem Resolution)
COMPONENT   = 0
ESTEFFORT   = 0.000000
ESTSTART    = 2010-05-31
ESTSTOP     =
ACTSTOP     =
CASENUM     =
VENDORID   =
COMMENT     = ''
LASTWIP    = 2011-09-18
```