

resource	Lock Contention
Thread Pool	TP
Critical Section	Lock LockContentionBug <a href="#">SHOW LOCK OWNERS</a>
Data Access	<b>BugSettings.applyLockContentionBug</b>
Operation	com.pel.ucd.inject

of Stack

#### Method Invocations on each Stack

Native Code	ZwWaitForSingleObject
	InitializeExceptionChain
<b>com.pel.ucd.inject</b>	<b>com/pel/ucd/inject/ LockContentionBug.generateBug() line 20</b>
	com/pel/ucd/inject/ BugSettings.applyLockContentionBug() line 109
com.ibatis.struts	com/ibatis/struts/ BeanAction.execute() line 120
Apache Struts	org/apache/struts/action/ RequestProcessor.processActionPerform() line 484
	org/apache/struts/action/ ActionServlet.doGet() line 507
Servlet Container	org/apache/catalina/core/ StandardWrapperValve.invoke() line 233
	org/apache/catalina/ha/session/ JvmRouteBinderValve.invoke() line 227
Apache Tomcat	org/apache/catalina/connector/ CoyoteAdapter.service() line 293
org.apache.jk.server	org/apache/jk/server/ JkCoyoteHandler.invoke() line 190
org.apache.jk.common	org/apache/jk/common/ HandlerRequest.invoke() line 291
	org/apache/jk/common/ ChannelSocket\$SocketConnection.runIt() line 898
Apache Tomcat	org/apache/tomcat/util/threads/ ThreadPool\$ControlRunnable.run() line 690

WaitPreferencePage.j
DeadLockBug.java
LockContentionBug.java
HeavyFileReadingBug.

```

public class LockContentionBug
{
    public static void generateBug()
    {
        //heavyWorkThread();
        synchronized(LockContentionBug.class)
        {
            heavyWork(50);
            //heavyWorkThread();
            //heavyWorkThread();
        }
    }
    private static void heavyWork(int deepness)
    {
        //for (int x=0;x<10000;x++)
        {
            System.out.println("\nAbout to start calculating Pi...");
            BigDecimal pi = CalculatePi.calculatePi(deepness);
            System.out.println("\nthe final value of Pi is ..." + pi);
        }
    }
}

```

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