**SUMMARY**

A concurrency bug in Tomcat 6 6.0.13

**DETAILS**

Some details can also be found at: <https://bz.apache.org/bugzilla/show_bug.cgi?id=45608>

This bug is due to a data race.

Field countAllocated are accessed by allocate() and deallocate() without any protections by locks.

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| Thread1 (StandardWrapper.java) | Thread2 (StandardWrapper.java) |
| public Servlet allocate() throws ServletException {  ..  if (!singleThreadModel) {  if (log.isTraceEnabled())  log.trace(" Returning non-STM instance");  countAllocated++;  return (instance);  }  ..  } | public void deallocate(Servlet servlet) throws ServletException {  // If not SingleThreadModel, no action is required  if (!singleThreadModel) {  countAllocated--;  return;  }  ..  } |
| 0-lock | 0-lock |