**SUMMARY**

A concurrency bug in Tomcat 6-6.0.29

**DETAILS**

Some details can also be found at: https://bz.apache.org/bugzilla/show\_bug.cgi?id=499865

This bug is due to a data race.

Common anti-pattern: Double checked locking.

|  |  |
| --- | --- |
| Thread1 (AstInteger.java) | Thread2 (AstInteger.java) |
| protected Number getInteger() {  if (this.number == null) {  try {  this.number = new Long(this.image);  } catch (ArithmeticException e1) {  this.number = new BigInteger(this.image);  }  }  return number;  } | protected Number getInteger() {  if (this.number == null) {  try {  this.number = new Long(this.image);  } catch (ArithmeticException e1) {  this.number = new BigInteger(this.image);  }  }  return number;  } |
| 0-lock | 0-lock |