**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=49986>

This bug is due to a data race.

Common anti-pattern: Double checked locking.

|  |  |
| --- | --- |
| Thread1 (JspServletWrapper.java) | Thread2 (JspServletWrapper.java) |
| public void setServletClassLastModifiedTime(long lastModified) {  if (this.servletClassLastModifiedTime < lastModified) {  synchronized (this) {  if(this.servletClassLastModifiedTime<lastModified){  this.servletClassLastModifiedTime = lastModified;  reload = true;  ..  } | public void setServletClassLastModifiedTime(long lastModified) {  if (this.servletClassLastModifiedTime < lastModified) {  synchronized (this) {  if(this.servletClassLastModifiedTime<lastModified) {  this.servletClassLastModifiedTime = lastModified;  reload = true  ..  } |
| 0-lock | 1-lock |