**SUMMARY**

A concurrency bug in Eclipse 3.8 JDT Core.

**DETAILS**

Some details can also be found at: <https://bugs.eclipse.org/bugs/show_bug.cgi?id=376724>

This bug is due to a data race.

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| --- | --- |
| Thread1 (ExternalFoldersManager.java) | Thread2 (ExternalFoldersManager.java) |
| private IFolder addFolder(IPath externalFolderPath, IProject externalFoldersProject, boolean scheduleForCreation) {  ..  if (this.pendingFolders == null)  this.pendingFolders = new HashSet();  this.pendingFolders.add(externalFolderPath); | private IFolder addFolder(IPath externalFolderPath, IProject externalFoldersProject, boolean scheduleForCreation) {  ..  if (this.pendingFolders == null)  this.pendingFolders = new HashSet();  this.pendingFolders.add(externalFolderPath); |
| 0-lock | 0-lock |

AddFolder was just one example where pendingFolders is accessed without synchronization.

removePendingFolder(Object) and the guard at the beginning of createPendingFolders(IProgressMonitor) should also be synchronized to prevent data races.