**SUMMARY**

A concurrency bug in Eclipse 3.4.1 Platform UI.

**DETAILS**

Some details can also be found at: [https://bugs.eclipse.org/bugs/show\_bug.cgi?id=256316](https://bugs.eclipse.org/bugs/show_bug.cgi?id=57467)

This bug is due to a data race.

The boolean "testImage" is initially true. The first thread comes in, goes past line 275 which sets "testImage" false, but before it gets to line 280 or 283 to set the "imageDesc" the 2nd thread comes in, found "testImage" false and return "imageDesc" which is still null.

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| Thread1 (EditorDescriptor.java) | Thread2 (EditorDescriptor.java) |
| 273 public ImageDescriptor getImageDescriptor() {  274 if (testImage) {  275 testImage = false;  276 if (imageDesc == null) {  277 String imageFileName = getImageFilename();  278 String command = getFileName();  279 if (imageFileName != null && configurationElement != null) {  280 imageDesc = AbstractUIPlugin.imageDescriptorFromPlugin(  281 configurationElement.getNamespace(), imageFileName);  282 } else if (command != null) {  283 imageDesc = WorkbenchImages.getImageDescriptorFromProgram(  284 command, 0);  285 }  286 }  287 verifyImage();  288 }  289  290 return imageDesc;  291 } | 273 public ImageDescriptor getImageDescriptor() {  274 if (testImage) {  275 testImage = false;  276 if (imageDesc == null) {  277 String imageFileName = getImageFilename();  278 String command = getFileName();  279 if (imageFileName != null && configurationElement != null) {  280 imageDesc = AbstractUIPlugin.imageDescriptorFromPlugin(  281 configurationElement.getNamespace(), imageFileName);  282 } else if (command != null) {  283 imageDesc = WorkbenchImages.getImageDescriptorFromProgram(  284 command, 0);  285 }  286 }  287 verifyImage();  288 }  289  290 return imageDesc;  291 } |
| 0-lock | 0-lock |