



← ↻ ☆ Line separator error when auto-generating JNI method

+1

Hotlists

Mark as Duplicate



Comments (4)

Dependencies

Duplicates (0)

Blocking (0)

Resources (4)

Fixed

Bug

P1

+ Add Hotlist



STATUS UPDATE No update yet.

Edit



DESCRIPTION em...@google.com created issue [#1](#)

Build: AI-203.7717.56.2031.7260174, 202104060048,

AI-203.7717.56.2031.7260174, JRE 11.0.9.1+0-b77-7246554x64 JetBrains s.r.o, OS Windows 10(amd64) v10.0 , screens 2560.0x1440.0

AS: Arctic Fox | 2020.3.1 Canary 14; Kotlin plugin: 203-1.4.32-release-AS7148.5; Android Gradle Plugin: 7.0.0-alpha14; Gradle: 7.0; NDK: from local.properties: (not specified), latest from SDK: (no from PATH: (not found))

IMPORTANT: Please read <https://developer.android.com/studio/report-bugs.html> carefully and supply all required information.

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I'm using Android Studio Arctic Fox 2020.3.1 Canary 14 on Windows

1. Create new module: Android Library, call it myapplication
2. Add C++
3. Open ExampleInstrumentedTest.java
4. create new method: public native void hello();
5. Use tooltip to create JNI function for hello
6. Select myapplication.cpp

Expected: Successfully create C++ implementation

Actual:

```
java.lang.AssertionError: Wrong line separators: '\r\n' at offset 0
    at com.intellij.openapi.util.text.StringUtil.assertValidSeparators(StringUtil.java:2474)
    at com.intellij.openapi.editor.impl.DocumentImpl.assertValidSeparators(DocumentImpl.java:713)
    at com.intellij.openapi.editor.impl.DocumentImpl.replaceString(DocumentImpl.java:606)
    at com.intellij.openapi.editor.impl.DocumentImpl.replaceString(DocumentImpl.java:597)
    at com.jetbrains.cidr.lang.refactoring.util.OCCChangeUtil.changeText(OCCChangeUtil.java:497)
    at com.android.tools.ndk.jni.inspections.KotlinJniMissingFunctionInspection$Companion$createJniStub$1.run(KotlinJniMissingFunctionInspection.kt:156)
    at com.intellij.openapi.command.WriteCommandAction.lambda$runWriteCommandAction$5(WriteCommandAction.java:362)
    at com.intellij.openapi.command.WriteCommandAction$BuilderImpl$1.run(WriteCommandAction.java:112)
    at com.intellij.openapi.application.RunResult.run(RunResult.java:35)
    at com.intellij.openapi.command.WriteCommandAction.lambda$performWriteCommandAction$1(WriteCommandAction.java:253)
    at com.intellij.openapi.application.impl.ApplicationImpl.runWriteAction(ApplicationImpl.java:1006)
    at com.intellij.openapi.command.WriteCommandAction.lambda$performWriteCommandAction$2(WriteCommandAction.java:252)
    at com.intellij.openapi.command.WriteCommandAction.lambda$doExecuteCommand$4(WriteCommandAction.java:310)
    at com.intellij.openapi.command.impl.CoreCommandProcessor.executeCommand(CoreCommandProcessor.java:220)
    at com.intellij.openapi.command.impl.CoreCommandProcessor.executeCommand(CoreCommandProcessor.java:187)
    at com.intellij.openapi.command.WriteCommandAction.doExecuteCommand(WriteCommandAction.java:312)
    at com.intellij.openapi.command.WriteCommandAction.performWriteCommandAction(WriteCommandAction.java:251)
    at com.intellij.openapi.command.WriteCommandAction.execute(WriteCommandAction.java:232)
    at com.intellij.openapi.command.WriteCommandAction$BuilderImpl.run(WriteCommandAction.java:114)
    at com.intellij.openapi.command.WriteCommandAction.runWriteCommandAction(WriteCommandAction.java:362)
    at com.intellij.openapi.command.WriteCommandAction.runWriteCommandAction(WriteCommandAction.java:350)
    at com.android.tools.ndk.jni.inspections.KotlinJniMissingFunctionInspection$Companion.createJniStub(KotlinJniMissingFunctionInspection.kt:149)
    at com.android.tools.ndk.jni.inspections.KotlinJniMissingFunctionInspection$Companion.access$createJniStub(KotlinJniMissingFunctionInspection.kt:88)
    at com.android.tools.ndk.jni.inspections.KotlinJniMissingFunctionInspection$Companion$showPopupAndCreateJniStub$2.consume(KotlinJniMissingFunctionIns
    at com.android.tools.ndk.jni.inspections.KotlinJniMissingFunctionInspection$Companion$showPopupAndCreateJniStub$2.consume(KotlinJniMissingFunctionIns
    at com.intellij.ui.popup.PopupListAdapter.lambda$setItemChosenCallback$0(PopupListAdapter.java:59)
    at com.intellij.openapi.application.TransactionGuardImpl.performUserActivity(TransactionGuardImpl.java:95)
    at com.intellij.ui.popup.AbstractPopup.lambda$dispose$16(AbstractPopup.java:1467)
    at com.intellij.util.ui.EdtInvocationManager.invokeLaterIfNeeded(EdtInvocationManager.java:88)
    at com.intellij.util.ui.UIUtil.invokeLaterIfNeeded(UIUtil.java:2194)
    at com.intellij.ide.IdeEventQueue.ifFocusEventsInTheQueue(IdeEventQueue.java:188)
    at com.intellij.ide.IdeEventQueue.executeWhenAllFocusEventsLeftTheQueue(IdeEventQueue.java:140)
    at com.intellij.openapi.wm.impl.FocusManagerImpl.doWhenFocusSettlesDown(FocusManagerImpl.java:173)
    at com.intellij.openapi.wm.impl.IdeFocusManagerImpl.doWhenFocusSettlesDown(IdeFocusManagerImpl.java:36)
    at com.intellij.ui.popup.AbstractPopup.dispose(AbstractPopup.java:1463)
    at com.intellij.openapi.util.ObjectTree.runWithTrace(ObjectTree.java:138)
    at com.intellij.openapi.util.ObjectTree.executeAll(ObjectTree.java:168)
    at com.intellij.openapi.util.Disposer.dispose(Disposer.java:142)
    at com.intellij.ui.popup.AbstractPopup.cancel(AbstractPopup.java:735)
    at com.intellij.ui.popup.AbstractPopup.closeOk(AbstractPopup.java:671)
    at com.intellij.openapi.ui.popup.PopupChooserBuilder.closePopup(PopupChooserBuilder.java:443)
    at com.intellij.openapi.ui.popup.PopupChooserBuilder$2.actionPerformed(PopupChooserBuilder.java:432)
    at java.desktop/javax.swing.JComponent$ActionStandin.actionPerformed(JComponent.java:3446)
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at java.desktop/javafx.swing.SwingUtilities.notifyAction(SwingUtilities.java:1810)
at java.desktop/javafx.swing.JComponent.processKeyBinding(JComponent.java:2903)
at java.desktop/javafx.swing.JComponent.processKeyBindings(JComponent.java:2965)
at java.desktop/javafx.swing.JComponent.processKeyEvent(JComponent.java:2865)
at java.desktop/java.awt.Component.processEvent(Component.java:6429)
at java.desktop/java.awt.Container.processEvent(Container.java:2263)
at java.desktop/java.awt.Component.dispatchEventImpl(Component.java:5027)
at java.desktop/java.awt.Container.dispatchEventImpl(Container.java:2321)
at java.desktop/java.awt.Component.dispatchEvent(Component.java:4859)
at java.desktop/java.awt.KeyboardFocusManager.redispatchEvent(KeyboardFocusManager.java:1961)
at java.desktop/java.awt.DefaultKeyboardFocusManager.dispatchKeyEvent(DefaultKeyboardFocusManager.java:878)
at java.desktop/java.awt.DefaultKeyboardFocusManager.preDispatchKeyEvent(DefaultKeyboardFocusManager.java:1148)
at java.desktop/java.awt.DefaultKeyboardFocusManager.typeAheadAssertions(DefaultKeyboardFocusManager.java:1017)
at java.desktop/java.awt.DefaultKeyboardFocusManager.dispatchEvent(DefaultKeyboardFocusManager.java:843)
at com.intellij.ide.IdeKeyboardFocusManager.dispatchEvent(IdeKeyboardFocusManager.java:41)
at java.desktop/java.awt.Component.dispatchEventImpl(Component.java:4908)
at java.desktop/java.awt.Container.dispatchEventImpl(Container.java:2321)
at java.desktop/java.awt.Window.dispatchEventImpl(Window.java:2784)
at java.desktop/java.awt.Component.dispatchEvent(Component.java:4859)
at java.desktop/java.awt.EventQueue.dispatchEventImpl(EventQueue.java:778)
at java.desktop/java.awt.EventQueue$4.run(EventQueue.java:727)
at java.desktop/java.awt.EventQueue$4.run(EventQueue.java:721)
at java.base/java.security.AccessController.doPrivileged(Native Method)
at java.base/java.security.ProtectionDomain$JavaSecurityAccessImpl.doIntersectionPrivilege(ProtectionDomain.java:85)
at java.base/java.security.ProtectionDomain$JavaSecurityAccessImpl.doIntersectionPrivilege(ProtectionDomain.java:95)
at java.desktop/java.awt.EventQueue$5.run(EventQueue.java:751)
at java.desktop/java.awt.EventQueue$5.run(EventQueue.java:749)
at java.base/java.security.AccessController.doPrivileged(Native Method)
at java.base/java.security.ProtectionDomain$JavaSecurityAccessImpl.doIntersectionPrivilege(ProtectionDomain.java:85)
at java.desktop/java.awt.EventQueue.dispatchEvent(EventQueue.java:748)
at com.intellij.ide.IdeEventQueue.defaultDispatchEvent(IdeEventQueue.java:976)
at com.intellij.ide.IdeEventQueue.dispatchEvent(IdeEventQueue.java:896)
at com.intellij.ide.IdeEventQueue._dispatchEvent(IdeEventQueue.java:837)
at com.intellij.ide.IdeEventQueue.lambda$dispatchEvent$8(IdeEventQueue.java:454)
at com.intellij.openapi.progress.impl.CoreProgressManager.computePrioritized(CoreProgressManager.java:773)
at com.intellij.ide.IdeEventQueue.lambda$dispatchEvent$9(IdeEventQueue.java:453)
at com.intellij.openapi.application.impl.ApplicationImpl.runIntendedWriteActionOnCurrentThread(ApplicationImpl.java:828)
at com.intellij.ide.IdeEventQueue.dispatchEvent(IdeEventQueue.java:507)
at java.desktop/java.awt.EventQueueDispatchThread.pumpOneEventForFilters(EventDispatchThread.java:203)
at java.desktop/java.awt.EventQueueDispatchThread.pumpEventsForFilter(EventDispatchThread.java:124)
at java.desktop/java.awt.EventQueueDispatchThread.pumpEventsForHierarchy(EventDispatchThread.java:113)
at java.desktop/java.awt.EventQueueDispatchThread.pumpEvents(EventDispatchThread.java:109)
at java.desktop/java.awt.EventQueueDispatchThread.pumpEvents(EventDispatchThread.java:101)
at java.desktop/java.awt.EventQueueDispatchThread.run(EventDispatchThread.java:90)
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✓ Links (4)

🔗 Links (4)

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"...IliJ platform creates a new "Document" object, it checks if the existing text in the file already has any \r in it ([🔗link](#)). If the file does not have any existing \r, then it disallows adding new \r charact
" ...orm creates a new "Document" object, it checks if the existing text in the file already has any \r in it (link). If the file does not have any existing \r, then it disallows adding new \r characters as line s
"This is a regression introduced in <http://ag/13356298> "Insert newline before generating JNI function stub"."

COMMENTS



em...@google.com <em...@google.com> [#2](#)

Also applies to regular Create new C++ project template.



em...@google.com <em...@google.com> [#3](#)

When IntelliJ platform creates a new "Document" object, it checks if the existing text in the file already has any \r in it ([🔗link](#)). If the file does not have any existing \r, then it disallows ad
OCChangeUtil.changeText.

I see that our existing usages of OCChangeUtil.changeText prefer \n for separators, but this one particular case used System.lineSeparator() which is causing the mismatch.

This is a regression introduced in <http://ag/13356298> "Insert newline before generating JNI function stub".

Message last modified on Jun 11, 2021 04:24AM



uc...@google.com <uc...@google.com>

Reassigned to an...@google.com.



em...@google.com <em...@google.com> [#4](#)

Marked as fixed.

For reference, internal fix cl: ag/14954347