

	ra@google.com <ra@google.com><u>#5</u></ra@google.com>
	It's still hard to pinpoint the problem from a single thread dump.
	Can you please grab a full CPU snapshot instead? Follow the instructions at https://developer.android.com/studio/report-bugs.html#cpu-profiles, and attach it on the bug when done.
	Thanks!
	io@gmail.com <io@gmail.com><u>#6</u></io@gmail.com>
	Attached CPU snapshot.
	AI-203.7717.56.2031.7621141_ionutnegru_24.08.2021_17.46.50.zip 44 MB <u>Download</u>
	ra@google.com <ra@google.com><u>#7</u></ra@google.com>
	Assigned to gh@google.com.
	Thank you so much for the CPU snapshot!
	gh@google.com <gh@google.com><u>#8</u></gh@google.com>
	Reassigned to tg@google.com.
	The CPU profile points to com. android. tools. ndk. jni. reference. JniReferencesSearch et al.
	tgeng@, to me this looks similar to http://b/142007975#comment12. Notice how UnusedSymbolUtil. processUsages leads to the expensive JniMethodReferencesSearch calls, presumable to the expensive JniMethodReferencesSearch calls and the expensive JniMethodReferencesSearch calls are the expensive JniMethod ReferencesSearch calls are the expensive JniMethod References are the expensive JniMethod References are the expensive JniMethod Refer
	In b/142007975 the problem was mitigated by preventing the computation from running on the EDT. But here, even on a background thread, the computation appears to be too expensive. (Pr
	I think we will need to fix this somehow. Let me know if you want to chat more or collaborate.
	For reference, the topmost method is ${\tt JniUtilsKt.findAllJniCalls}$ which uses 25 minutes CPU time in this particular CPU profile.
	Message last modified on Sep 11, 2021 01:38AM
	gh@google.com <gh@google.com><u>#9</u></gh@google.com>
	As an initial mitigation, it might help to place some ProgressManager. checkCanceled calls in order to allow the UI thread to preempt the heavy background computations.
	Message last modified on Sep 11, 2021 01:50AM
	ar@google.com <ar@google.com>_#10</ar@google.com>
	Tianyu is no longer working on JNI, so this shouldn't be assigned to him. Josh, any thought who should collaborate with Matthew to work on the fix?
	tg@google.com <tg@google.com> #11</tg@google.com>
	Thanks Arif! I'm happy to take a look at this issue since I probably have the most context in this.
	tg@google.com <tg@google.com> #12</tg@google.com>
	Hi, just curious, how many native source files (including all C/C++ headers) does the project contain? Also, does the project contain a lot of JNI code? Does the project contain some large (>
	Message last modified on Sep 15, 2021 03:50AM
	tg@google.com <tg@google.com> #13</tg@google.com>
	Discussed with Matthew and it looks like the freeze is mostly caused by JniMethodReferencesSearch invoking CIDR to search for references of JNI functions like GetMethodID. However, CII investigate further to figure out a way to fix the root cause.
	For now I will add an IDE © registry to allow user to disable JNI reference search.
	Message last modified on Sep 16, 2021 09:38AM
	io@gmail.com <io@gmail.com><u>#14</u></io@gmail.com>
	The project currently has 6671 C++ files & 18059 Header files. The lines count is not that big, somewhere of a few thousands per file.
	tg@google.com <tg@google.com> #15</tg@google.com>
	The option to disable JNI reference search is now available from latest stable studio release at https://developer.android.com/studio. You can find the option from IDE registry by the following

Mon Oct 11 2021 17:14:29 GMT-0700 (Pacific Daylight Time).png
26 KB View Download
io@gmail.com <io@gmail.com> #16</io@gmail.com>
I confirm that this makes the IDE a lot faster, but what is the downside for disabling this?
tg@google.com <tg@google.com> #17</tg@google.com>
Thanks! With JNI reference search disabled, finding usages and other IDE features (for example, unused symbol check, renaming etc) will no longer consider references to Java/Kotlin symbols.
// In Java package foo.bar
public class Foo {
··· }
// In C++
env->FindClass("foo/bar/Foo");
With JNI reference enabled, finding usage of Java class Foo would return the FindClass call in C++.
tg@google.com <tg@google.com></tg@google.com>
Marked as fixed.

1. Find Actions (Ctrl+Shift+A)

5. Close the dialog and the setting should be in effect.

4. Uncheck "com.android.tools.ndk.jni.enableJniReferenceSearch" (see attached screenshot)

2. Type "Registry"3. In the dialog, search "jni"

Los de la ruta Culiacán