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Remove unsafe usages of File during configuration phase.

+12

Hotlists (1)

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Dependencies

Duplicates (0)

Blocking (0)

Resources (6)

FixedBugP1+ Add Hotlist

Gradle 8.1 configuration cache breakages

STATUS UPDATE

No update yet.

Edit

DESCRIPTION

je...@google.com created issue #1

Check Gradle's test of all unsafe usages of File I/O during configuration phase
We should make sure we stop doing those in 8.2

https://github.com/gradle/gradle/blob/6ac4bf07711b1af69db19e8de6ede42899137864/subprojects/smoke-test/src/smokeTest/groovy/org/gradle/smoketests/AndroidSantaTrackerSmokeTes

✓ Mentioned issues (3)

✓ Links (3)

Mentioned issues (3)

P2Handle package.xml in a way that's compatible with configuration caching "There are some other issues in the "Gradle 8.1 configuration cache breakages" that we are looking into, including b/291331139, b/293321312, b/289098893. Should we remove the blocking label from these issues?"
-- "There are some other issues in the "Gradle 8.1 configuration cache breakages" that we are looking into, including b/291331139, b/293321312, b/289098893. Should we remove the blocking label from these issues?"
P1Don't check for the existence of manifest overlay files during configuration phase "There are some other issues in the "Gradle 8.1 configuration cache breakages" that we are looking into, including b/291331139, b/293321312, b/289098893. Should we remove the blocking label from these issues?"

Links (3)

"https://github.com/gradle/gradle/blob/6ac4bf07711b1af69db19e8de6ede42899137864/subprojects/smoke-test/src/smokeTest/groovy/org/gradle/smoketests/AndroidSantaTrackerSmokeTest.groovy#L100-L101" "Talked with Jomo about the remaining issues regarding the native [issues](#), including BuildSettings.json, CMakeSettings.json, Application.mk, Android.mk, build.ninja and build.ninja.txt" "As we discussed last time, close this ticket as we have filed tickets for all the known issues individually. see <https://buganizer.corp.google.com/hotlists/5093540>"

COMMENTS

je...@google.com <je...@google.com> #2

Bingran@, fyi, before landing the fix, I am trying to look how to parse the configuration-cache.html as part of running our CC enabled tests and make sure we do not have failures.

ga...@google.com <ga...@google.com> #3

Some of these are already fixed, let's please break individual issues into separate bugs (and set as blocking this one), so that we can parallelize. Jerome, we already have `assertConfigurationCacheHit` to ensure we re-run with CC, it was not possible to spot issues from above as:

- there are missing test scenarios
- tests share `GRADLE_USER_HOME` so global file writes are not captured

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Accepted by bi...@google.com.

bi...@google.com <bi...@google.com> #4

Talked with Jomo about the remaining issues regarding the native [issues](#), including `BuildSettings.json`, `CMakeSettings.json`, `Application.mk`, `Android.mk`, `build.ninja` and `build.ninja.txt`.
`BuildSettings.json` and `CMakeSettings.json` do need to be read in configuration time.
`Application.mk` and `Android.mk` could be deferred to execution time with efforts, but they are used by the ndk build system which has been "replaced" by cmake. Not a lot of users are using `build.ninja` and `build.ninja.txt` are for AGDE integration which is less common than ndk, so I assume very few people use it.
Therefore, I think we are fine with the current status of file calls related to native.
There are some other issues in the "Gradle 8.1 configuration cache breakages" that we are looking into, including b/291331139, b/293321312, b/289098893. Should we remove the blocking label from these issues?

ga...@google.com <ga...@google.com> #5

Related to native support:

- For `cmake` native support, if users modify/add/remove any of the source files, can it result in a configuration cache miss? If they modify e.g. `CMakeLists.txt` it is ok if we get a config change.
- Do we read any file that is in the `$project.buildDir`?



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1. For cmake native support, if users modify/add/remove any of the java/kotlin/native source files, it won't result in cache misses.
2. None of them is in \$project.buildDir, BuildSettings.json and CMakeSettings.json are in project/, Application.mk and Android.mk under project/jni/, build.ninja a



bi...@google.com <bi...@google.com> [#7](#)

Marked as fixed.

As we discussed last time, close this ticket as we have filed tickets for all the known issues individually. see <https://buganizer.corp.google.com/hotlists/5093540>