← C ☆   R8 3.3.8-dev issue on older Android   +1   Hotlists   Unmark Duplicate   🔔   ⋮

Comments (15)	Dependencies	Duplicates (0)	Blocking (0)	Resources (3)

Duplicate of 215573892   Bug   P2   + Add Hotlist

👥 **STATUS UPDATE** No update yet.   Edit

📄 **DESCRIPTION** to...@gmail.com created issue #1

Updated to AGP 7.3 alpha 1 and use the associated R8 version as 3.3 is not branched.

On Android 5.0 and 6.0 at least the app crashes with :

```
java.lang.UnsupportedOperationException
    at java.util.AbstractMap.put(AbstractMap.java:370)
    at androidx.datastore.preferences.protobuf.MapFieldLite.put(MapFieldLite.java:98)
    at androidx.datastore.preferences.PreferencesProto$PreferenceMap$Builder.putPreferences(PreferencesProto.java:332)
    at androidx.datastore.preferences.core.PreferencesSerializer.writeTo(PreferencesSerializer.java:63)
    at androidx.datastore.preferences.core.PreferencesSerializer.writeTo(PreferencesSerializer.java:36)
    at androidx.datastore.core.SingleProcessDataStore.writeData$datastore_core(SingleProcessDataStore.kt:426)
    at androidx.datastore.core.SingleProcessDataStore.transformAndWrite(SingleProcessDataStore.kt:410)
    at androidx.datastore.core.SingleProcessDataStore.access$transformAndWrite(SingleProcessDataStore.java)
    at androidx.datastore.core.SingleProcessDataStore$transformAndWrite$1.invokeSuspend(SingleProcessDataStore.kt)
```

No issue on Android 11+ and no issue with R8 3.2.48

On those older android I also have a crash tied to a .so library that I do not really understand. Does R8 touch the so files ?

```
2022-02-06 16:23:28.455 1173-1173/? I/DEBUG: *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** ***
2022-02-06 16:23:28.456 1173-1173/? I/DEBUG: Build fingerprint: 'generic_x86_64/sdk_google_phone_x86_64/generic_x86_64:5.0.2/LSY66K/6695550:eng/test-keys'
2022-02-06 16:23:28.456 1173-1173/? I/DEBUG: Revision: '0'
2022-02-06 16:23:28.456 1173-1173/? I/DEBUG: ABI: 'x86_64'
2022-02-06 16:23:28.456 1173-1173/? I/DEBUG: pid: 4184, tid: 4209, name: DefaultDispatch  >>> xxx.music.player <<<
2022-02-06 16:23:28.456 1173-1173/? I/DEBUG: signal 11 (SIGSEGV), code 1 (SEGV_MAPERR), fault addr 0x7feed4a4a857
2022-02-06 16:23:28.457 1173-1173/? I/DEBUG:     rax 00000000ffffffff  rbx 00007fedc74f7260  rcx f3fea5732a326394  rdx 00007fedd4a4a858
2022-02-06 16:23:28.457 1173-1173/? I/DEBUG:     rsi 0000000000000000  rdi 00007fedd4a4a850
2022-02-06 16:23:28.457 1173-1173/? I/DEBUG:     r8  0000000000000100  r9  00007fedd8ff7110  r10 00007fedc74f72dc  r11 00007fedc74f72e0
2022-02-06 16:23:28.457 1173-1173/? I/DEBUG:     r12 00007fedd4a4a858  r13 0000000000000001  r14 0000000000000000  r15 00007fedd4a4a850
2022-02-06 16:23:28.457 1173-1173/? I/DEBUG:     cs  0000000000000033  ss  000000000000002b
2022-02-06 16:23:28.457 1173-1173/? I/DEBUG:     rip 00007fedd8fca6d9  rbp 0000000000000000  rsp 00007fedc74f7230  eflags 0000000000010202
2022-02-06 16:23:28.457 1173-1173/? I/DEBUG: backtrace:
2022-02-06 16:23:28.457 1173-1173/? I/DEBUG:     #00 pc 00000000000106d9  /data/app/xxx.player-1/lib/x86_64/libsxxx.so
2022-02-06 16:23:28.457 1173-1173/? I/DEBUG:     #01 pc 0000000000010984  /data/app/xxx.player-1/lib/x86_64/libxxxx.so
2022-02-06 16:23:28.457 1173-1173/? I/DEBUG:     #02 pc 0000000000011a39  /data/app/xxx.player-1/lib/x86_64/libxxxx.so (Java_app_xxxx_crypto_internal_LibxxxW
2022-02-06 16:23:28.457 1173-1173/? I/DEBUG:     #03 pc 00000000000ade26  /data/dalvik-cache/x86_64/data
```

✓ Mentioned issues (1)   ✓ Links (2)

⚙ **Mentioned issues (1)**

--   --   "I suspect this could be a duplicate of (internal) b/215573892 . This is already fixed. Could you try to update to the latest R8 3.3.14-dev to check if the issue is resolved?"

🔗 **Links (2)**

"A dump of compiling you application (see 🔗 Compiler-input dumps)"

" ...at on Android 5 and 6 there is a bug in Art where invoke-super can skip up the superchain. See https://r8-review.googlesource.com/c/r8/+/65623/3/src/test/java/com/android/tools/r8/resolution/

COMMENTS

⦿ **sg...@google.com** <sg...@google.com> #2

Reassigned to sg...@google.com.

Thank you for the report. This could indicate an R8 issue. Would it be possible for you to share the following:

- The APK where you see the issue, andhow to reproduce the issue with the app if possible
- A dump of compiling you application (see 🔗 Compiler-input dumps)

You can share both privately with sgjesse@google.com and christofferqa@google.com.

On the native side, then R8 does not touch native code in .so files. However, if the native code use JNI to communicate with the Java code then missing keep rules can cause issues. To veri

On the crash on the Java code you could also try to add the following keep rule `-keep class androidx.datastore.** { *; }` to see if that helps. If it does, then that is just a workaround,

to...@gmail.com <to...@gmail.com> #3

I'll share the files a little later to provide all information.

For the first crash this seems more like rewrite to wrong map functions unsupported on Android 5/6. For the record I'm not using coreLibraryDesugaring, maybe AGP 7.3 / R8 3.3 have a new 3.2.48 fix the issue).

For the .so crash, I was probably not clear enough but this is the exact same issue, it only occurs on older Androids and not on recent ones. (Not tested all the middle 7-10). This .so is used s R8 fix the issue.

For the record R8 3.2.48 -> 3.3.8-dev reduce the dex size by 260KB pretty impressive new jump.

---

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

The `AbstractMap.put` method is throwing always throwing

```
public V put(K key, V value) {
    throw new UnsupportedOperationException();
}
```

as the implementation is required in a subclass, so yes it could be a rewriting of a subclass where `put` has changed signature so the implementation in `AbstractMap` is hit instead.

---

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But then why only Android 5/6 would be touched?

Anyway trying to generate the dump but R8 fails and there's no dump.

```
> Task :app:minifyUnsignedReleaseWithR8 FAILED
ERROR:R8: Dumped compilation inputs to: mydump.zip

FAILURE: Build failed with an exception.

* What went wrong:
Execution failed for task ':app:minifyUnsignedReleaseWithR8'.
> com.android.tools.r8.CompilationFailedException: Compilation failed to complete
```

Will add stacktraces but since on my windows dev machine a release build is 10mn posting first in case you have an idea like I need full path on Windows.

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ch...@google.com <ch...@google.com> #6

I suspect this could be a duplicate of (internal) b/215573892. This is already fixed. Could you try to update to the latest R8 3.3.14-dev to check if the issue is resolved?

---

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Can't dump with both versions with `-Dcom.android.tools.r8.dumpinputtofile=mydump.zip --no-daemon`

Will now try without the dump to see if previous comment was about fixing the first issue and not the dump issue.

```
    at org.gradle.api.internal.tasks.execution.ExecuteActionsTaskExecuter.executeIfValid(ExecuteActionsTaskExecuter.java:143)
    at org.gradle.api.internal.tasks.execution.ExecuteActionsTaskExecuter.execute(ExecuteActionsTaskExecuter.java:131)
    at org.gradle.api.internal.tasks.execution.CleanupStaleOutputsExecuter.execute(CleanupStaleOutputsExecuter.java:77)
    at org.gradle.api.internal.tasks.execution.FinalizePropertiesTaskExecuter.execute(FinalizePropertiesTaskExecuter.java:46)
    at org.gradle.api.internal.tasks.execution.ResolveTaskExecutionModeExecuter.execute(ResolveTaskExecutionModeExecuter.java:51)
    at org.gradle.api.internal.tasks.execution.SkipTaskWithNoActionsExecuter.execute(SkipTaskWithNoActionsExecuter.java:57)
    at org.gradle.api.internal.tasks.execution.SkipOnlyIfTaskExecuter.execute(SkipOnlyIfTaskExecuter.java:56)
    at org.gradle.api.internal.tasks.execution.CatchExceptionTaskExecuter.execute(CatchExceptionTaskExecuter.java:36)
    at org.gradle.api.internal.tasks.execution.EventFiringTaskExecuter$1.executeTask(EventFiringTaskExecuter.java:77)
    at org.gradle.api.internal.tasks.execution.EventFiringTaskExecuter$1.call(EventFiringTaskExecuter.java:55)
    at org.gradle.api.internal.tasks.execution.EventFiringTaskExecuter$1.call(EventFiringTaskExecuter.java:52)
    at org.gradle.internal.operations.DefaultBuildOperationRunner$CallableBuildOperationWorker.execute(DefaultBuildOperationRunner.java:204)
    at org.gradle.internal.operations.DefaultBuildOperationRunner$CallableBuildOperationWorker.execute(DefaultBuildOperationRunner.java:199)
    at org.gradle.internal.operations.DefaultBuildOperationRunner$2.execute(DefaultBuildOperationRunner.java:66)
    at org.gradle.internal.operations.DefaultBuildOperationRunner$2.execute(DefaultBuildOperationRunner.java:59)
    at org.gradle.internal.operations.DefaultBuildOperationRunner.execute(DefaultBuildOperationRunner.java:157)
    at org.gradle.internal.operations.DefaultBuildOperationRunner.execute(DefaultBuildOperationRunner.java:59)
    at org.gradle.internal.operations.DefaultBuildOperationRunner.call(DefaultBuildOperationRunner.java:53)
    at org.gradle.internal.operations.DefaultBuildOperationExecutor.call(DefaultBuildOperationExecutor.java:73)
    at org.gradle.api.internal.tasks.execution.EventFiringTaskExecuter.execute(EventFiringTaskExecuter.java:52)
    at org.gradle.execution.plan.LocalTaskNodeExecutor.execute(LocalTaskNodeExecutor.java:74)
    at org.gradle.execution.taskgraph.DefaultTaskExecutionGraph$InvokeNodeExecutorsAction.execute(DefaultTaskExecutionGraph.java:402)
    at org.gradle.execution.taskgraph.DefaultTaskExecutionGraph$InvokeNodeExecutorsAction.execute(DefaultTaskExecutionGraph.java:389)
    at org.gradle.execution.taskgraph.DefaultTaskExecutionGraph$BuildOperationAwareExecutionAction.execute(DefaultTaskExecutionGraph.java:382)
    at org.gradle.execution.taskgraph.DefaultTaskExecutionGraph$BuildOperationAwareExecutionAction.execute(DefaultTaskExecutionGraph.java:368)
    at org.gradle.execution.plan.DefaultPlanExecutor$ExecutorWorker.lambda$run$0(DefaultPlanExecutor.java:127)
```

```
                    at org.gradle.execution.plan.DefaultPlanExecutor$ExecutorWorker.execute(DefaultPlanExecutor.java:191)
                    at org.gradle.execution.plan.DefaultPlanExecutor$ExecutorWorker.executeNextNode(DefaultPlanExecutor.java:182)
                    at org.gradle.execution.plan.DefaultPlanExecutor$ExecutorWorker.run(DefaultPlanExecutor.java:124)
                    at org.gradle.internal.concurrent.ExecutorPolicy$CatchAndRecordFailures.onExecute(ExecutorPolicy.java:64)
                    at org.gradle.internal.concurrent.ManagedExecutorImpl$1.run(ManagedExecutorImpl.java:48)
                    at org.gradle.internal.concurrent.ThreadFactoryImpl$ManagedThreadRunnable.run(ThreadFactoryImpl.java:61)
Caused by: org.gradle.internal.UncheckedException: com.android.tools.r8.CompilationFailedException: Compilation failed to complete
                    at org.gradle.internal.UncheckedException.throwAsUncheckedException(UncheckedException.java:68)
                    at org.gradle.internal.UncheckedException.throwAsUncheckedException(UncheckedException.java:41)
                    at org.gradle.internal.reflect.JavaMethod.invoke(JavaMethod.java:107)
                    at org.gradle.api.internal.project.taskfactory.StandardTaskAction.doExecute(StandardTaskAction.java:58)
                    at org.gradle.api.internal.project.taskfactory.StandardTaskAction.execute(StandardTaskAction.java:51)
                    at org.gradle.api.internal.project.taskfactory.StandardTaskAction.execute(StandardTaskAction.java:29)
                    at org.gradle.api.internal.tasks.execution.TaskExecution$2.run(TaskExecution.java:239)
                    at org.gradle.internal.operations.DefaultBuildOperationRunner$1.execute(DefaultBuildOperationRunner.java:29)
                    at org.gradle.internal.operations.DefaultBuildOperationRunner$1.execute(DefaultBuildOperationRunner.java:26)
                    at org.gradle.internal.operations.DefaultBuildOperationRunner$2.execute(DefaultBuildOperationRunner.java:66)
                    at org.gradle.internal.operations.DefaultBuildOperationRunner$2.execute(DefaultBuildOperationRunner.java:59)
                    at org.gradle.internal.operations.DefaultBuildOperationRunner.execute(DefaultBuildOperationRunner.java:157)
                    at org.gradle.internal.operations.DefaultBuildOperationRunner.execute(DefaultBuildOperationRunner.java:59)
                    at org.gradle.internal.operations.DefaultBuildOperationRunner.run(DefaultBuildOperationRunner.java:47)
                    at org.gradle.internal.operations.DefaultBuildOperationExecutor.run(DefaultBuildOperationExecutor.java:68)
                    at org.gradle.api.internal.tasks.execution.TaskExecution.executeAction(TaskExecution.java:224)
                    at org.gradle.api.internal.tasks.execution.TaskExecution.executeActions(TaskExecution.java:207)
                    at org.gradle.api.internal.tasks.execution.TaskExecution.executeWithPreviousOutputFiles(TaskExecution.java:190)
                    at org.gradle.api.internal.tasks.execution.TaskExecution.execute(TaskExecution.java:168)
                    at org.gradle.internal.execution.steps.ExecuteStep.executeInternal(ExecuteStep.java:89)
                    at org.gradle.internal.execution.steps.ExecuteStep.access$000(ExecuteStep.java:40)
                    at org.gradle.internal.execution.steps.ExecuteStep$1.call(ExecuteStep.java:53)
                    at org.gradle.internal.execution.steps.ExecuteStep$1.call(ExecuteStep.java:50)
                    at org.gradle.internal.operations.DefaultBuildOperationRunner$CallableBuildOperationWorker.execute(DefaultBuildOperationRunner.java:204)
                    at org.gradle.internal.operations.DefaultBuildOperationRunner$CallableBuildOperationWorker.execute(DefaultBuildOperationRunner.java:199)
                    at org.gradle.internal.operations.DefaultBuildOperationRunner$2.execute(DefaultBuildOperationRunner.java:66)
                    at org.gradle.internal.operations.DefaultBuildOperationRunner$2.execute(DefaultBuildOperationRunner.java:59)
                    at org.gradle.internal.operations.DefaultBuildOperationRunner.execute(DefaultBuildOperationRunner.java:157)
                    at org.gradle.internal.operations.DefaultBuildOperationRunner.execute(DefaultBuildOperationRunner.java:59)
                    at org.gradle.internal.operations.DefaultBuildOperationRunner.call(DefaultBuildOperationRunner.java:53)
                    at org.gradle.internal.operations.DefaultBuildOperationExecutor.call(DefaultBuildOperationExecutor.java:73)
                    at org.gradle.internal.execution.steps.ExecuteStep.execute(ExecuteStep.java:50)
                    at org.gradle.internal.execution.steps.ExecuteStep.execute(ExecuteStep.java:40)
                    at org.gradle.internal.execution.steps.RemovePreviousOutputsStep.execute(RemovePreviousOutputsStep.java:68)
                    at org.gradle.internal.execution.steps.RemovePreviousOutputsStep.execute(RemovePreviousOutputsStep.java:38)
                    at org.gradle.internal.execution.steps.ResolveInputChangesStep.execute(ResolveInputChangesStep.java:48)
                    at org.gradle.internal.execution.steps.ResolveInputChangesStep.execute(ResolveInputChangesStep.java:36)
                    at org.gradle.internal.execution.steps.CancelExecutionStep.execute(CancelExecutionStep.java:41)
                    at org.gradle.internal.execution.steps.TimeoutStep.executeWithoutTimeout(TimeoutStep.java:74)
                    at org.gradle.internal.execution.steps.TimeoutStep.execute(TimeoutStep.java:55)
                    at org.gradle.internal.execution.steps.CreateOutputsStep.execute(CreateOutputsStep.java:51)
                    at org.gradle.internal.execution.steps.CreateOutputsStep.execute(CreateOutputsStep.java:29)
                    at org.gradle.internal.execution.steps.CaptureStateAfterExecutionStep.execute(CaptureStateAfterExecutionStep.java:61)
                    at org.gradle.internal.execution.steps.CaptureStateAfterExecutionStep.execute(CaptureStateAfterExecutionStep.java:42)
                    at org.gradle.internal.execution.steps.BroadcastChangingOutputsStep.execute(BroadcastChangingOutputsStep.java:60)
                    at org.gradle.internal.execution.steps.BroadcastChangingOutputsStep.execute(BroadcastChangingOutputsStep.java:27)
                    at org.gradle.internal.execution.steps.BuildCacheStep.executeWithoutCache(BuildCacheStep.java:188)
                    at org.gradle.internal.execution.steps.BuildCacheStep.lambda$execute$1(BuildCacheStep.java:75)
                    at org.gradle.internal.Either$Right.fold(Either.java:175)
                    at org.gradle.internal.execution.caching.CachingState.fold(CachingState.java:59)
                    at org.gradle.internal.execution.steps.BuildCacheStep.execute(BuildCacheStep.java:73)
                    at org.gradle.internal.execution.steps.BuildCacheStep.execute(BuildCacheStep.java:48)
                    at org.gradle.internal.execution.steps.StoreExecutionStateStep.execute(StoreExecutionStateStep.java:38)
                    at org.gradle.internal.execution.steps.StoreExecutionStateStep.execute(StoreExecutionStateStep.java:27)
                    at org.gradle.internal.execution.steps.RecordOutputsStep.execute(RecordOutputsStep.java:36)
                    at org.gradle.internal.execution.steps.RecordOutputsStep.execute(RecordOutputsStep.java:22)
                    at org.gradle.internal.execution.steps.SkipUpToDateStep.executeBecause(SkipUpToDateStep.java:109)
                    at org.gradle.internal.execution.steps.SkipUpToDateStep.lambda$execute$2(SkipUpToDateStep.java:56)
                    at org.gradle.internal.execution.steps.SkipUpToDateStep.execute(SkipUpToDateStep.java:56)
                    at org.gradle.internal.execution.steps.SkipUpToDateStep.execute(SkipUpToDateStep.java:38)
                    at org.gradle.internal.execution.steps.ResolveChangesStep.execute(ResolveChangesStep.java:73)
                    at org.gradle.internal.execution.steps.ResolveChangesStep.execute(ResolveChangesStep.java:44)
                    at org.gradle.internal.execution.steps.legacy.MarkSnapshottingInputsFinishedStep.execute(MarkSnapshottingInputsFinishedStep.java:37)
                    at org.gradle.internal.execution.steps.legacy.MarkSnapshottingInputsFinishedStep.execute(MarkSnapshottingInputsFinishedStep.java:27)
                    at org.gradle.internal.execution.steps.ResolveCachingStateStep.execute(ResolveCachingStateStep.java:89)
                    at org.gradle.internal.execution.steps.ResolveCachingStateStep.execute(ResolveCachingStateStep.java:50)
                    at org.gradle.internal.execution.steps.ValidateStep.execute(ValidateStep.java:114)
                    at org.gradle.internal.execution.steps.ValidateStep.execute(ValidateStep.java:57)
                    at org.gradle.internal.execution.steps.CaptureStateBeforeExecutionStep.execute(CaptureStateBeforeExecutionStep.java:76)
                    at org.gradle.internal.execution.steps.CaptureStateBeforeExecutionStep.execute(CaptureStateBeforeExecutionStep.java:50)
                    at org.gradle.internal.execution.steps.SkipEmptyWorkStep.lambda$execute$2(SkipEmptyWorkStep.java:93)
                    at org.gradle.internal.execution.steps.SkipEmptyWorkStep.execute(SkipEmptyWorkStep.java:93)
                    at org.gradle.internal.execution.steps.SkipEmptyWorkStep.execute(SkipEmptyWorkStep.java:34)
```

```
        at org.gradle.internal.execution.steps.legacy.MarkSnapshottingInputsStartedStep.execute(MarkSnapshottingInputsStartedStep.java:38)
        at org.gradle.internal.execution.steps.LoadPreviousExecutionStateStep.execute(LoadPreviousExecutionStateStep.java:43)
        at org.gradle.internal.execution.steps.LoadPreviousExecutionStateStep.execute(LoadPreviousExecutionStateStep.java:31)
        at org.gradle.internal.execution.steps.AssignWorkspaceStep.lambda$execute$0(AssignWorkspaceStep.java:40)
        at org.gradle.api.internal.tasks.execution.TaskExecution$3.withWorkspace(TaskExecution.java:284)
        at org.gradle.internal.execution.steps.AssignWorkspaceStep.execute(AssignWorkspaceStep.java:40)
        at org.gradle.internal.execution.steps.AssignWorkspaceStep.execute(AssignWorkspaceStep.java:30)
        at org.gradle.internal.execution.steps.IdentityCacheStep.execute(IdentityCacheStep.java:37)
        at org.gradle.internal.execution.steps.IdentityCacheStep.execute(IdentityCacheStep.java:27)
        at org.gradle.internal.execution.steps.IdentifyStep.execute(IdentifyStep.java:44)
        at org.gradle.internal.execution.steps.IdentifyStep.execute(IdentifyStep.java:33)
        at org.gradle.internal.execution.impl.DefaultExecutionEngine$1.execute(DefaultExecutionEngine.java:76)
        at org.gradle.api.internal.tasks.execution.ExecuteActionsTaskExecuter.executeIfValid(ExecuteActionsTaskExecuter.java:142)
        at org.gradle.api.internal.tasks.execution.ExecuteActionsTaskExecuter.execute(ExecuteActionsTaskExecuter.java:131)
        at org.gradle.api.internal.tasks.execution.CleanupStaleOutputsExecuter.execute(CleanupStaleOutputsExecuter.java:77)
        at org.gradle.api.internal.tasks.execution.FinalizePropertiesTaskExecuter.execute(FinalizePropertiesTaskExecuter.java:46)
        at org.gradle.api.internal.tasks.execution.ResolveTaskExecutionModeExecuter.execute(ResolveTaskExecutionModeExecuter.java:51)
        at org.gradle.api.internal.tasks.execution.SkipTaskWithNoActionsExecuter.execute(SkipTaskWithNoActionsExecuter.java:57)
        at org.gradle.api.internal.tasks.execution.SkipOnlyIfTaskExecuter.execute(SkipOnlyIfTaskExecuter.java:56)
        at org.gradle.api.internal.tasks.execution.CatchExceptionTaskExecuter.execute(CatchExceptionTaskExecuter.java:36)
        at org.gradle.api.internal.tasks.execution.EventFiringTaskExecuter$1.executeTask(EventFiringTaskExecuter.java:77)
        at org.gradle.api.internal.tasks.execution.EventFiringTaskExecuter$1.call(EventFiringTaskExecuter.java:55)
        at org.gradle.api.internal.tasks.execution.EventFiringTaskExecuter$1.call(EventFiringTaskExecuter.java:52)
        at org.gradle.internal.operations.DefaultBuildOperationRunner$CallableBuildOperationWorker.execute(DefaultBuildOperationRunner.java:204)
        at org.gradle.internal.operations.DefaultBuildOperationRunner$CallableBuildOperationWorker.execute(DefaultBuildOperationRunner.java:199)
        at org.gradle.internal.operations.DefaultBuildOperationRunner$2.execute(DefaultBuildOperationRunner.java:66)
        at org.gradle.internal.operations.DefaultBuildOperationRunner$2.execute(DefaultBuildOperationRunner.java:59)
        at org.gradle.internal.operations.DefaultBuildOperationRunner.execute(DefaultBuildOperationRunner.java:157)
        at org.gradle.internal.operations.DefaultBuildOperationRunner.execute(DefaultBuildOperationRunner.java:59)
        at org.gradle.internal.operations.DefaultBuildOperationRunner.call(DefaultBuildOperationRunner.java:53)
        at org.gradle.internal.operations.DefaultBuildOperationExecutor.call(DefaultBuildOperationExecutor.java:73)
        at org.gradle.api.internal.tasks.execution.EventFiringTaskExecuter.execute(EventFiringTaskExecuter.java:52)
        at org.gradle.execution.plan.LocalTaskNodeExecutor.execute(LocalTaskNodeExecutor.java:74)
        at org.gradle.execution.taskgraph.DefaultTaskExecutionGraph$InvokeNodeExecutorsAction.execute(DefaultTaskExecutionGraph.java:402)
        at org.gradle.execution.taskgraph.DefaultTaskExecutionGraph$InvokeNodeExecutorsAction.execute(DefaultTaskExecutionGraph.java:389)
        at org.gradle.execution.taskgraph.DefaultTaskExecutionGraph$BuildOperationAwareExecutionAction.execute(DefaultTaskExecutionGraph.java:382)
        at org.gradle.execution.taskgraph.DefaultTaskExecutionGraph$BuildOperationAwareExecutionAction.execute(DefaultTaskExecutionGraph.java:368)
        at org.gradle.execution.plan.DefaultPlanExecutor$ExecutorWorker.lambda$run$0(DefaultPlanExecutor.java:127)
        at org.gradle.execution.plan.DefaultPlanExecutor$ExecutorWorker.execute(DefaultPlanExecutor.java:191)
        at org.gradle.execution.plan.DefaultPlanExecutor$ExecutorWorker.executeNextNode(DefaultPlanExecutor.java:182)
        at org.gradle.execution.plan.DefaultPlanExecutor$ExecutorWorker.run(DefaultPlanExecutor.java:124)
        at org.gradle.internal.concurrent.ExecutorPolicy$CatchAndRecordFailures.onExecute(ExecutorPolicy.java:64)
        at org.gradle.internal.concurrent.ManagedExecutorImpl$1.run(ManagedExecutorImpl.java:48)
        at org.gradle.internal.concurrent.ThreadFactoryImpl$ManagedThreadRunnable.run(ThreadFactoryImpl.java:61)
Caused by: com.android.tools.r8.CompilationFailedException: Compilation failed to complete
        at Version.fakeStackEntry(Version_3.3.14-dev.java:0)
        at com.android.tools.r8.utils.ExceptionUtils.failWithFakeEntry(ExceptionUtils.java:139)
        at com.android.tools.r8.utils.ExceptionUtils.failCompilation(ExceptionUtils.java:89)
        at com.android.tools.r8.utils.ExceptionUtils.withCompilationHandler(ExceptionUtils.java:83)
        at com.android.tools.r8.utils.ExceptionUtils.withR8CompilationHandler(ExceptionUtils.java:69)
        at com.android.tools.r8.R8.runForTesting(R8.java:250)
        at com.android.tools.r8.R8.run(R8.java:189)
        at com.android.builder.dexing.R8Tool.runR8(r8Tool.kt:301)
        at com.android.build.gradle.internal.tasks.R8Task$Companion.shrink(R8Task.kt:599)
        at com.android.build.gradle.internal.tasks.R8Task.doTaskAction(R8Task.kt:443)
        at com.android.build.gradle.internal.tasks.NonIncrementalTask$taskAction$$inlined$recordTaskAction$1.invoke(BaseTask.kt:66)
        at com.android.build.gradle.internal.tasks.Blocks.recordSpan(Blocks.java:51)
        at com.android.build.gradle.internal.tasks.NonIncrementalTask.taskAction(NonIncrementalTask.kt:97)
        at jdk.internal.reflect.GeneratedMethodAccessor381.invoke(Unknown Source)
        at java.base/jdk.internal.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
        at org.gradle.internal.reflect.JavaMethod.invoke(JavaMethod.java:104)
        ... 114 more
Caused by: com.android.tools.r8.utils.AbortException: Dumped compilation inputs to: mydump.zip
        at com.android.tools.r8.utils.Reporter.handleDiagnostic(Reporter.java:81)
        at com.android.tools.r8.utils.Reporter.fatalError(Reporter.java:127)
        at com.android.tools.r8.dex.ApplicationReader.dumpApplication(ApplicationReader.java:208)
        at com.android.tools.r8.dex.ApplicationReader.read(ApplicationReader.java:145)
        at com.android.tools.r8.dex.ApplicationReader.read(ApplicationReader.java:134)
        at com.android.tools.r8.dex.ApplicationReader.read(ApplicationReader.java:104)
        at com.android.tools.r8.R8.run(R8.java:295)
        at com.android.tools.r8.R8.run(R8.java:263)
        at com.android.tools.r8.R8.lambda$runForTesting$1(R8.java:254)
        at com.android.tools.r8.utils.ExceptionUtils.withCompilationHandler(ExceptionUtils.java:80)
        ... 126 more
```

sg...@google.com <sg...@google.com> #8

The issue is that on Android 5 and 6 there is a bug in Art where `invoke-super` can skip up the superchain. See https://r8-review.googlesource.com/c/r8/+/65623/3/src/test/java/com/andro
fixed.

to...@gmail.com <to...@gmail.com> #9

Ok so yes 3.3.14-dev seems to fix both issues from first post. Still amazed about the side effect on my .so will need to see if there's need to add more tests on my side for that part.

Should I open another issue about the dump not working or keep this one for reference?

---

sg...@google.com <sg...@google.com> #10

Status: Duplicate of 215573892

The generation of a dump to a file will cause an exception:

```
Caused by: com.android.tools.r8.utils.AbortException: Dumped compilation inputs to: mydump.zip
```

That indicate that the dump has been written. If you use `dumpinputtodirectory` then compilation should finish and leave dumps of all compilation steps in the directory. When using `dumpi` not end up overwriting the same file.

---

sg...@google.com <sg...@google.com> #11

And thank you for confirming that the original issue reported has been fixed.

---

to...@gmail.com <to...@gmail.com> #12

Where would the dump be created then I've found none?

About the error ending the build, you may want to add the note to the gradle/AGP part too as it's what most people will use. And in my case since I manually sign and do things this prevents g

---

to...@gmail.com <to...@gmail.com> #13

And for the record:

With `-Dcom.android.tools.r8.dumpinputtodirectory=mydumps/` I get

```
> Task :app:minifyUnsignedReleaseWithR8 FAILED
ERROR:R8: java.nio.file.NoSuchFileException: mydumps\dump428906499801900.zip

FAILURE: Build failed with an exception.

* What went wrong:
Execution failed for task ':app:minifyUnsignedReleaseWithR8'.
> com.android.tools.r8.CompilationFailedException: Compilation failed to complete, origin: mydumps\dump428906499801900.zip
```

---

sg...@google.com <sg...@google.com> #14

With `dumptodirectory` the directory `mydumps` must exist beforehand. Did you create it first?

---

to...@gmail.com <to...@gmail.com> #15

Yes at root of project as not sure where it should have been, but as said the direct file mode did not create anything in the project either. So maybe it's stored in gradle cache when in that mod

Just tested by passing a full path and it works. So either the path is not supposed to be in the project by default, or there's an issue on Windows to get the proper default one and it goes else