



Out is not an ABI error in MergeNativeLibsTask with AGP 8.0.0

+1 8 Hotlists (1) Mark as Duplicate

Comments (7) Dependencies Duplicates (0) Blocking (0) Resources (2)

Assigned Bug P2 + Add Hotlist

STATUS UPDATE No update yet. Edit

DESCRIPTION da...@gmail.com created issue #1

Build: AI-222.4459.24.2221.9862592, 202303311419,

AI-222.4459.24.2221.9862592, JRE 17.0.6+0-b2043.56-9586694x64 JetBrains s.r.o., OS Windows 10(amd64) v10.0 , screens 2560.0x1440.0, 1080.0x1920.0

AS: Flamingo | 2022.2.1
Kotlin plugin: 222-1.8.0-release-AS3739.54
Android Gradle Plugin: 8.0.0
Gradle: 8.0
Gradle JDK: JetBrains Runtime version 17.0.6
NDK: from module: 25.1.8937393, from local.properties: (not specified), latest from SDK: (not found)
CMake: from local.properties: (not specified), latest from SDK: 3.22.1-g37088a8-dirty, from PATH: (not found)

After upgrading AGP from 7.4.2 to 8.0.0 (or 8.1.0-beta01) I get an error when building my app and the :app:mergeNativeLibs task runs that says "out" is not an ABI for the .so files it tries to inc
It looks like this error happens in MergeNativeLibsTask::toAbiRootedPath because it wrongly uses the out parent directory instead of the arm64-v8a folder when it checks if the folder nam
Here's the build log for when this happens:

```
Executing tasks: [:app:assembleStandardRelease] in project D:\Code\Android\Workspace\Test

> Task :app:createStandardReleaseVariantModel UP-TO-DATE
> Task :app:buildKotlinToolingMetadata UP-TO-DATE
> Task :app:preBuild UP-TO-DATE
> Task :app:preStandardReleaseBuild UP-TO-DATE
> Task :app:dataBindingMergeDependencyArtifactsStandardRelease UP-TO-DATE
> Task :app:generateStandardReleaseResValues UP-TO-DATE
> Task :app:generateStandardReleaseResources UP-TO-DATE
> Task :app:mergeStandardReleaseResources UP-TO-DATE
> Task :app:packageStandardReleaseResources UP-TO-DATE
> Task :app:parseStandardReleaseLocalResources UP-TO-DATE
> Task :app:dataBindingGenBaseClassesStandardRelease UP-TO-DATE
> Task :app:generateStandardReleaseBuildConfig UP-TO-DATE
> Task :app:checkStandardReleaseAarMetadata UP-TO-DATE
> Task :app:mapStandardReleaseSourceSetPaths UP-TO-DATE
> Task :app:createStandardReleaseCompatibleScreenManifests UP-TO-DATE
> Task :app:extractDeepLinksStandardRelease UP-TO-DATE
> Task :app:processStandardReleaseMainManifest UP-TO-DATE
> Task :app:processStandardReleaseManifest UP-TO-DATE
> Task :app:processStandardReleaseManifestForPackage UP-TO-DATE
> Task :app:processStandardReleaseResources UP-TO-DATE
> Task :app:kaptGenerateStubsStandardReleaseKotlin UP-TO-DATE
> Task :app:kaptStandardReleaseKotlin UP-TO-DATE
> Task :app:compileStandardReleaseKotlin UP-TO-DATE
> Task :app:javaPreCompileStandardRelease UP-TO-DATE
> Task :app:compileStandardReleaseJavaWithJavac UP-TO-DATE
> Task :app:extractProguardFiles UP-TO-DATE
> Task :app:preFailoverReleaseBuild UP-TO-DATE
> Task :app:configureCMakeRelWithDebInfo[arm64-v8a]
> Task :app:buildCMakeRelWithDebInfo[arm64-v8a]
> Task :app:configureCMakeRelWithDebInfo[armeabi-v7a]
> Task :app:buildCMakeRelWithDebInfo[armeabi-v7a]
> Task :app:mergeStandardReleaseJniLibFolders UP-TO-DATE
> Task :app:mergeStandardReleaseNativeLibs FAILED
> Task :app:checkStandardReleaseDuplicateClasses UP-TO-DATE
> Task :app:mergeStandardReleaseArtProfile UP-TO-DATE
> Task :app:mergeStandardReleaseGeneratedProguardFiles UP-TO-DATE
> Task :app:processStandardReleaseJavaRes NO-SOURCE
> Task :app:mergeStandardReleaseJavaResource UP-TO-DATE
> Task :app:minifyStandardReleaseWithR8 UP-TO-DATE
> Task :app:compileStandardReleaseArtProfile UP-TO-DATE
> Task :app:mergeStandardReleaseShaders UP-TO-DATE
> Task :app:compileStandardReleaseShaders NO-SOURCE
> Task :app:generateStandardReleaseAssets UP-TO-DATE
> Task :app:mergeStandardReleaseAssets UP-TO-DATE
```

```
> Task :app:compressStandardReleaseAssets UP-TO-DATE
> Task :app:processApplicationManifestStandardReleaseForBundle UP-TO-DATE
> Task :app:bundleStandardReleaseResources UP-TO-DATE
> Task :app:shrinkStandardReleaseRes UP-TO-DATE
> Task :app:optimizeStandardReleaseResources UP-TO-DATE
> Task :app:collectStandardReleaseDependencies UP-TO-DATE
> Task :app:sdkStandardReleaseDependencyData UP-TO-DATE
> Task :app:writeStandardReleaseAppMetadata UP-TO-DATE
> Task :app:writeStandardReleaseSigningConfigVersions UP-TO-DATE
> Task :app:lintVitalAnalyzeStandardRelease
> Task :app:lintVitalReportStandardRelease
> Task :app:lintVitalStandardRelease
```

FAILURE: Build failed with an exception.

* What went wrong:

Execution failed for task ':app:mergeStandardReleaseNativeLibs'.

> out extracted from path D:\Code\Android\Workspace\Test\app\build\intermediates\merged_jni_libs\standardRelease\out\ffmpeg\lib\arm64-v8a\libavcodec.so is no

* Try:

> Run with --info or --debug option to get more log output.

> Run with --scan to get full insights.

* Exception is:

```
org.gradle.api.tasks.TaskExecutionException: Execution failed for task ':app:mergeStandardReleaseNativeLibs'.
    at org.gradle.api.internal.tasks.execution.ExecuteActionsTaskExecuter.lambda$executeIfValid$1(ExecuteActionsTaskExecuter.java:149)
    at org.gradle.internal.Try$Failure.ifSuccessfulOrElse(Try.java:282)
    at org.gradle.api.internal.tasks.execution.ExecuteActionsTaskExecuter.executeIfValid(ExecuteActionsTaskExecuter.java:147)
    at org.gradle.api.internal.tasks.execution.ExecuteActionsTaskExecuter.execute(ExecuteActionsTaskExecuter.java:135)
    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:74)
    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.execute(DefaultBuildOperationRunner.java:199)
    at org.gradle.internal.operations.DefaultBuildOperationRunner$2.execute(DefaultBuildOperationRunner.java:66)
    at org.gradle.internal.operations.DefaultBuildOperationRunner$2.execute(DefaultBuildOperationRunner.java:59)
    at org.gradle.internal.operations.DefaultBuildOperationRunner.execute(DefaultBuildOperationRunner.java:157)
    at org.gradle.internal.operations.DefaultBuildOperationRunner.execute(DefaultBuildOperationRunner.java:59)
    at org.gradle.internal.operations.DefaultBuildOperationRunner.call(DefaultBuildOperationRunner.java:53)
    at org.gradle.internal.operations.DefaultBuildOperationExecuter.call(DefaultBuildOperationExecuter.java:73)
    at org.gradle.api.internal.tasks.execution.EventFiringTaskExecuter.execute(EventFiringTaskExecuter.java:52)
    at org.gradle.execution.plan.LocalTaskNodeExecuter.execute(LocalTaskNodeExecuter.java:42)
    at org.gradle.execution.taskgraph.DefaultTaskExecutionGraph$InvokeNodeExecutorsAction.execute(DefaultTaskExecutionGraph.java:338)
    at org.gradle.execution.taskgraph.DefaultTaskExecutionGraph$InvokeNodeExecutorsAction.execute(DefaultTaskExecutionGraph.java:325)
    at org.gradle.execution.taskgraph.DefaultTaskExecutionGraph$BuildOperationAwareExecutionAction.execute(DefaultTaskExecutionGraph.java:318)
    at org.gradle.execution.taskgraph.DefaultTaskExecutionGraph$BuildOperationAwareExecutionAction.execute(DefaultTaskExecutionGraph.java:304)
    at org.gradle.execution.plan.DefaultPlanExecutor$ExecutorWorker.execute(DefaultPlanExecutor.java:463)
    at org.gradle.execution.plan.DefaultPlanExecutor$ExecutorWorker.run(DefaultPlanExecutor.java:380)
    at org.gradle.internal.concurrent.ExecutorPolicy$CatchAndRecordFailures.onExecute(ExecutorPolicy.java:64)
    at org.gradle.internal.concurrent.ManagedExecutorImpl$1.run(ManagedExecutorImpl.java:49)
```

Caused by: java.lang.IllegalStateException: out extracted from path D:\Code\Android\Workspace\Test\app\build\intermediates\merged_jni_libs\standardRelease\ou

```
    at com.android.build.gradle.internal.tasks.MergeNativeLibsTask$Companion.toAbiRootedPath(MergeNativeLibsTask.kt:375)
    at com.android.build.gradle.internal.tasks.MergeNativeLibsTask$Companion.access$toAbiRootedPath(MergeNativeLibsTask.kt:330)
    at com.android.build.gradle.internal.tasks.MergeNativeLibsTask$doTaskAction$fileVisitor$1.visitFile(MergeNativeLibsTask.kt:132)
    at org.gradle.api.internal.file.collections.ReproducibleDirectoryWalker.walkDir(ReproducibleDirectoryWalker.java:68)
    at org.gradle.api.internal.file.collections.ReproducibleDirectoryWalker.walkDir(ReproducibleDirectoryWalker.java:83)
    at org.gradle.api.internal.file.collections.ReproducibleDirectoryWalker.walkDir(ReproducibleDirectoryWalker.java:83)
    at org.gradle.api.internal.file.collections.ReproducibleDirectoryWalker.walkDir(ReproducibleDirectoryWalker.java:83)
    at org.gradle.api.internal.file.collections.DirectoryFileTree.walkDir(DirectoryFileTree.java:148)
    at org.gradle.api.internal.file.collections.DirectoryFileTree.visitFrom(DirectoryFileTree.java:126)
    at org.gradle.api.internal.file.collections.DirectoryFileTree.visit(DirectoryFileTree.java:111)
    at org.gradle.api.internal.file.collections.FileTreeAdapter.visit(FileTreeAdapter.java:97)
    at org.gradle.api.internal.file.FileCollectionBackedFileTree.lambda$visit$1(FileCollectionBackedFileTree.java:70)
    at org.gradle.api.internal.file.FileCollectionBackedFileTree$1.visitFileTree(FileCollectionBackedFileTree.java:84)
    at org.gradle.api.internal.file.collections.FileTreeAdapter$1.visitFileTree(FileTreeAdapter.java:112)
    at org.gradle.api.internal.file.collections.DirectoryFileTree.visitStructure(DirectoryFileTree.java:106)
    at org.gradle.api.internal.file.collections.FileTreeAdapter.visitContents(FileTreeAdapter.java:108)
    at org.gradle.api.internal.file.AbstractFileCollection.visitStructure(AbstractFileCollection.java:366)
    at org.gradle.api.internal.file.FileCollectionBackedFileTree$2.visitCollection(FileCollectionBackedFileTree.java:104)
    at org.gradle.api.internal.file.AbstractOpaqueFileCollection.visitContents(AbstractOpaqueFileCollection.java:60)
    at org.gradle.api.internal.file.AbstractFileCollection.visitStructure(AbstractFileCollection.java:366)
    at org.gradle.api.internal.file.CompositeFileCollection.lambda$visitContents$0(CompositeFileCollection.java:124)
    at org.gradle.api.internal.file.collections.UnpackingVisitor.visitSingleFile(UnpackingVisitor.java:114)
    at org.gradle.api.internal.file.collections.UnpackingVisitor.add(UnpackingVisitor.java:109)
    at org.gradle.api.internal.file.collections.ProviderBackedFileCollection.visitChildren(ProviderBackedFileCollection.java:64)
```

```
at org.gradle.api.internal.file.CompositeFileCollection.visitContents(CompositeFileCollection.java:124)
at org.gradle.api.internal.file.AbstractFileCollection.visitStructure(AbstractFileCollection.java:366)
at org.gradle.api.internal.file.CompositeFileCollection.lambda$visitContents$0(CompositeFileCollection.java:124)
at org.gradle.api.internal.file.collections.UnpackingVisitor.add(UnpackingVisitor.java:77)
at org.gradle.api.internal.file.collections.DefaultConfigurableFileCollection$UnresolvedItemsCollector.visitContents(DefaultConfigurableFileCollection.java:279)
at org.gradle.api.internal.file.collections.DefaultConfigurableFileCollection.visitChildren(DefaultConfigurableFileCollection.java:279)
at org.gradle.api.internal.file.CompositeFileCollection.visitContents(CompositeFileCollection.java:124)
at org.gradle.api.internal.file.AbstractFileCollection.visitStructure(AbstractFileCollection.java:366)
at org.gradle.api.internal.file.CompositeFileCollection.lambda$visitContents$0(CompositeFileCollection.java:124)
at org.gradle.api.internal.file.collections.UnpackingVisitor.add(UnpackingVisitor.java:67)
at org.gradle.api.internal.file.collections.DefaultConfigurableFileCollection$UnresolvedItemsCollector.visitContents(DefaultConfigurableFileCollection.java:279)
at org.gradle.api.internal.file.collections.DefaultConfigurableFileCollection.visitChildren(DefaultConfigurableFileCollection.java:279)
at org.gradle.api.internal.file.CompositeFileCollection.visitContents(CompositeFileCollection.java:124)
at org.gradle.api.internal.file.AbstractFileCollection.visitStructure(AbstractFileCollection.java:366)
at org.gradle.api.internal.file.FileCollectionBackedFileTree.visitContents(FileCollectionBackedFileTree.java:96)
at org.gradle.api.internal.file.FileCollectionBackedFileTree.visitContentsAsFileTrees(FileCollectionBackedFileTree.java:76)
at org.gradle.api.internal.file.FileCollectionBackedFileTree.visit(FileCollectionBackedFileTree.java:70)
at com.android.build.gradle.internal.tasks.MergeNativeLibsTask.doTaskAction(MergeNativeLibsTask.kt:141)
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.GeneratedMethodAccessor430.invoke(Unknown Source)
at java.base/jdk.internal.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
at org.gradle.internal.reflect.JavaMethod.invoke(JavaMethod.java:125)
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$3.run(TaskExecution.java:242)
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:227)
at org.gradle.api.internal.tasks.execution.TaskExecution.executeActions(TaskExecution.java:210)
at org.gradle.api.internal.tasks.execution.TaskExecution.executeWithPreviousOutputFiles(TaskExecution.java:193)
at org.gradle.api.internal.tasks.execution.TaskExecution.execute(TaskExecution.java:166)
at org.gradle.internal.execution.steps.ExecuteStep.executeInternal(ExecuteStep.java:93)
at org.gradle.internal.execution.steps.ExecuteStep.access$000(ExecuteStep.java:44)
at org.gradle.internal.execution.steps.ExecuteStep$1.call(ExecuteStep.java:57)
at org.gradle.internal.execution.steps.ExecuteStep$1.call(ExecuteStep.java:54)
at org.gradle.internal.operations.DefaultBuildOperationRunner$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:54)
at org.gradle.internal.execution.steps.ExecuteStep.execute(ExecuteStep.java:44)
at org.gradle.internal.execution.steps.RemovePreviousOutputsStep.execute(RemovePreviousOutputsStep.java:67)
at org.gradle.internal.execution.steps.RemovePreviousOutputsStep.execute(RemovePreviousOutputsStep.java:37)
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:50)
at org.gradle.internal.execution.steps.CreateOutputsStep.execute(CreateOutputsStep.java:28)
at org.gradle.internal.execution.steps.CaptureStateAfterExecutionStep.executeDelegateBroadcastingChanges(CaptureStateAfterExecutionStep.java:100)
at org.gradle.internal.execution.steps.CaptureStateAfterExecutionStep.execute(CaptureStateAfterExecutionStep.java:72)
at org.gradle.internal.execution.steps.CaptureStateAfterExecutionStep.execute(CaptureStateAfterExecutionStep.java:50)
at org.gradle.internal.execution.steps.ResolveInputChangesStep.execute(ResolveInputChangesStep.java:40)
at org.gradle.internal.execution.steps.ResolveInputChangesStep.execute(ResolveInputChangesStep.java:29)
at org.gradle.internal.execution.steps.BuildCacheStep.executeWithoutCache(BuildCacheStep.java:166)
at org.gradle.internal.execution.steps.BuildCacheStep.lambda$execute$1(BuildCacheStep.java:70)
at org.gradle.internal.Either$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:68)
at org.gradle.internal.execution.steps.BuildCacheStep.execute(BuildCacheStep.java:46)
at org.gradle.internal.execution.steps.StoreExecutionStateStep.execute(StoreExecutionStateStep.java:36)
at org.gradle.internal.execution.steps.StoreExecutionStateStep.execute(StoreExecutionStateStep.java:25)
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:91)
at org.gradle.internal.execution.steps.SkipUpToDateStep.lambda$execute$2(SkipUpToDateStep.java:55)
at org.gradle.internal.execution.steps.SkipUpToDateStep.execute(SkipUpToDateStep.java:55)
at org.gradle.internal.execution.steps.SkipUpToDateStep.execute(SkipUpToDateStep.java:37)
```

```
at org.gradle.internal.execution.steps.ResolveChangesStep.execute(ResolveChangesStep.java:65)
at org.gradle.internal.execution.steps.ResolveChangesStep.execute(ResolveChangesStep.java:36)
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:76)
at org.gradle.internal.execution.steps.ResolveCachingStateStep.execute(ResolveCachingStateStep.java:37)
at org.gradle.internal.execution.steps.ValidateStep.execute(ValidateStep.java:94)
at org.gradle.internal.execution.steps.ValidateStep.execute(ValidateStep.java:49)
at org.gradle.internal.execution.steps.CaptureStateBeforeExecutionStep.execute(CaptureStateBeforeExecutionStep.java:71)
at org.gradle.internal.execution.steps.CaptureStateBeforeExecutionStep.execute(CaptureStateBeforeExecutionStep.java:45)
at org.gradle.internal.execution.steps.SkipEmptyWorkStep.executeWithNonEmptySources(SkipEmptyWorkStep.java:177)
at org.gradle.internal.execution.steps.SkipEmptyWorkStep.execute(SkipEmptyWorkStep.java:86)
at org.gradle.internal.execution.steps.SkipEmptyWorkStep.execute(SkipEmptyWorkStep.java:53)
at org.gradle.internal.execution.steps.RemoveUntrackedExecutionStateStep.execute(RemoveUntrackedExecutionStateStep.java:32)
at org.gradle.internal.execution.steps.RemoveUntrackedExecutionStateStep.execute(RemoveUntrackedExecutionStateStep.java:21)
at org.gradle.internal.execution.steps.legacy.MarkSnapshottingInputsStartedStep.execute(MarkSnapshottingInputsStartedStep.java:38)
at org.gradle.internal.execution.steps.LoadPreviousExecutionStateStep.execute(LoadPreviousExecutionStateStep.java:36)
at org.gradle.internal.execution.steps.LoadPreviousExecutionStateStep.execute(LoadPreviousExecutionStateStep.java:23)
at org.gradle.internal.execution.steps.CleanupStaleOutputsStep.execute(CleanupStaleOutputsStep.java:75)
at org.gradle.internal.execution.steps.CleanupStaleOutputsStep.execute(CleanupStaleOutputsStep.java:41)
at org.gradle.internal.execution.steps.AssignWorkspaceStep.lambda$execute$0(AssignWorkspaceStep.java:32)
at org.gradle.api.internal.tasks.execution.TaskExecution$4.withWorkspace(TaskExecution.java:287)
at org.gradle.internal.execution.steps.AssignWorkspaceStep.execute(AssignWorkspaceStep.java:30)
at org.gradle.internal.execution.steps.AssignWorkspaceStep.execute(AssignWorkspaceStep.java:21)
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:42)
at org.gradle.internal.execution.steps.IdentifyStep.execute(IdentifyStep.java:31)
at org.gradle.internal.execution.impl.DefaultExecutionEngine$1.execute(DefaultExecutionEngine.java:64)
at org.gradle.api.internal.tasks.execution.ExecuteActionsTaskExecuter.executeIfValid(ExecuteActionsTaskExecuter.java:146)
at org.gradle.api.internal.tasks.execution.ExecuteActionsTaskExecuter.execute(ExecuteActionsTaskExecuter.java:135)
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:74)
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$2.execute(DefaultBuildOperationRunner.java:59)
at org.gradle.internal.operations.DefaultBuildOperationRunner.execute(DefaultBuildOperationRunner.java:157)
at org.gradle.internal.operations.DefaultBuildOperationRunner.execute(DefaultBuildOperationRunner.java:59)
at org.gradle.internal.operations.DefaultBuildOperationRunner.call(DefaultBuildOperationRunner.java:53)
at org.gradle.internal.operations.DefaultBuildOperationExecutor.call(DefaultBuildOperationExecutor.java:73)
at org.gradle.api.internal.tasks.execution.EventFiringTaskExecuter.execute(EventFiringTaskExecuter.java:52)
at org.gradle.execution.plan.LocalTaskNodeExecutor.execute(LocalTaskNodeExecutor.java:42)
at org.gradle.execution.taskgraph.DefaultTaskExecutionGraph$InvokeNodeExecutorsAction.execute(DefaultTaskExecutionGraph.java:338)
at org.gradle.execution.taskgraph.DefaultTaskExecutionGraph$InvokeNodeExecutorsAction.execute(DefaultTaskExecutionGraph.java:325)
at org.gradle.execution.taskgraph.DefaultTaskExecutionGraph$BuildOperationAwareExecutionAction.execute(DefaultTaskExecutionGraph.java:318)
at org.gradle.execution.taskgraph.DefaultTaskExecutionGraph$BuildOperationAwareExecutionAction.execute(DefaultTaskExecutionGraph.java:304)
at org.gradle.execution.plan.DefaultPlanExecutor$ExecutorWorker.execute(DefaultPlanExecutor.java:463)
at org.gradle.execution.plan.DefaultPlanExecutor$ExecutorWorker.run(DefaultPlanExecutor.java:380)
at org.gradle.internal.concurrent.ExecutorPolicy$CatchAndRecordFailures.onExecute(ExecutorPolicy.java:64)
at org.gradle.internal.concurrent.ManagedExecutorImpl$1.run(ManagedExecutorImpl.java:49)
```

* Get more help at <https://help.gradle.org>

Deprecated Gradle features were used in this build, making it incompatible with Gradle 9.0.

You can use '--warning-mode all' to show the individual deprecation warnings and determine if they come from your own scripts or plugins.

See https://docs.gradle.org/8.0/userguide/command_line_interface.html#sec:command_line_warnings

BUILD FAILED in 13s

49 actionable tasks: 8 executed, 41 up-to-date

This log is for the release build but it also happens for a debug build. I've specified which ABIs it should include in the builds with `abiFilters` and the `.so` files exists in their `\out\ffmpeg\lib\` (AB I think it would be difficult for me to make a stripped down project that reproduces this issue that I could attach so I'm hoping it will be enough if I just shows the parts that I think might be releva

```
android {
    buildTypes {
        getByName("release") {
            ndk {
                abiFilters += setOf("arm64-v8a", "armeabi-v7a")
            }
        }
    }
}
```

```

    }

}

externalNativeBuild {
    cmake {
        path("src/main/cpp/CMakeLists.txt")
    }
}

flavorDimensions.add("version")

productFlavors {
    create("standard") {
        dimension = "version"
        applicationId = "com.test.standard"
    }

    create("failover") {
        dimension = "version"
        applicationId = "com.test.failover"
    }
}
}
}

```

And here's the CMakeLists.txt that adds the .so files to the build:

```

cmake_minimum_required(VERSION 3.4.1)

set(ffmpeg_dir ${CMAKE_SOURCE_DIR}/../jniLibs/ffmpeg)
set(ffmpeg_libs ${ffmpeg_dir}/lib/${ANDROID_ABI})

include_directories(${ffmpeg_dir}/include/${ANDROID_ABI})

set(
    ffmpeg_libs_names
    avutil avformat avcodec swresample)

foreach (ffmpeg_lib_name ${ffmpeg_libs_names})
    add_library(
        ${ffmpeg_lib_name}
        SHARED
        IMPORTED)
    set_target_properties(
        ${ffmpeg_lib_name}
        PROPERTIES IMPORTED_LOCATION
        ${ffmpeg_libs}/lib${ffmpeg_lib_name}.so)
endforeach ()

add_library(
    back-channel-audio SHARED
    EngineOpenSLES.cpp
    BackChannelAudioEngine.cpp
    FFmpegAudioEncoder.cpp
    RtpAudioPacketBuilder.cpp
    back_channel_audio_jni_bridge.cpp)

target_link_libraries(
    back-channel-audio
    android
    log
    ${ffmpeg_libs_names}
    OpenSLES)

```

✓ Links (2)

↔ Links (2)

"...ergeNativeLibsTask::toAbiRootedPath function was added [↔ here](#)."

"...te that <https://stackoverflow.com/questions/76753627/how-to-fix-android-project-build-failing-with-so-is-not-an-abi/76805728> indicates that this affects jnilib-containing .AAR files as well. AFAIC"

COMMENTS

 **pa...@google.com** <pa...@google.com>
Assigned to an...@google.com.

 **ie...@google.com** <ie...@google.com>

Reassigned to sp...@google.com.

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

Reassigned to jo...@google.com.

Jomo, I think you'll have more context here. Can you take a look?

The MergeNativeLibsTask::toAbiRootedPath function was added [C9 here](#).

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

I've experiencing the same issue after upgrading to AGP 8+

```
Caused by: java.lang.IllegalStateException: out extracted from path C:\dev\androidStudioProject\myApp\core\build\intermediates\merged_jni_libs\apiaryGoogl
    at com.android.build.gradle.internal.tasks.MergeNativeLibsTask$Companion.toAbiRootedPath(MergeNativeLibsTask.kt:375)
    at com.android.build.gradle.internal.tasks.MergeNativeLibsTask$Companion.access$toAbiRootedPath(MergeNativeLibsTask.kt:330)
    at com.android.build.gradle.internal.tasks.MergeNativeLibsTask$doTaskAction$fileVisitor$1.visitFile(MergeNativeLibsTask.kt:132)
    at org.gradle.api.internal.file.collections.ReproducibleDirectoryWalker.walkDir(ReproducibleDirectoryWalker.java:68)
    at org.gradle.api.internal.file.collections.ReproducibleDirectoryWalker.walkDir(ReproducibleDirectoryWalker.java:83)
    at org.gradle.api.internal.file.collections.ReproducibleDirectoryWalker.walkDir(ReproducibleDirectoryWalker.java:83)
    at org.gradle.api.internal.file.collections.DirectoryFileTree.walkDir(DirectoryFileTree.java:148)
    at org.gradle.api.internal.file.collections.DirectoryFileTree.visitFrom(DirectoryFileTree.java:126)
    at org.gradle.api.internal.file.collections.DirectoryFileTree.visit(DirectoryFileTree.java:111)
    at org.gradle.api.internal.file.collections.FileTreeAdapter.visit(FileTreeAdapter.java:110)
    at org.gradle.api.internal.file.FileCollectionBackedFileTree.lambda$visit$1(FileCollectionBackedFileTree.java:70)
    at org.gradle.api.internal.file.FileCollectionBackedFileTree$1.visitFileTree(FileCollectionBackedFileTree.java:84)
    at org.gradle.api.internal.file.collections.FileTreeAdapter$1.visitFileTree(FileTreeAdapter.java:125)
    at org.gradle.api.internal.file.collections.DirectoryFileTree.visitStructure(DirectoryFileTree.java:106)
    at org.gradle.api.internal.file.collections.FileTreeAdapter.visitContents(FileTreeAdapter.java:121)
    at org.gradle.api.internal.file.AbstractFileCollection.visitStructure(AbstractFileCollection.java:366)
    at org.gradle.api.internal.file.FileCollectionBackedFileTree$2.visitCollection(FileCollectionBackedFileTree.java:104)
    at org.gradle.api.internal.file.AbstractOpaqueFileCollection.visitContents(AbstractOpaqueFileCollection.java:60)
    at org.gradle.api.internal.file.CompositeFileCollection.lambda$visitContents$0(CompositeFileCollection.java:133)
    at org.gradle.api.internal.file.collections.UnpackingVisitor.add(UnpackingVisitor.java:109)
    at org.gradle.api.internal.file.collections.ProviderBackedFileCollection.visitChildren(ProviderBackedFileCollection.java:64)
    at org.gradle.api.internal.file.CompositeFileCollection.visitContents(CompositeFileCollection.java:133)
    at org.gradle.api.internal.file.AbstractFileCollection.visitStructure(AbstractFileCollection.java:366)
    at org.gradle.api.internal.file.CompositeFileCollection.lambda$visitContents$0(CompositeFileCollection.java:133)
    at org.gradle.api.internal.file.collections.DefaultConfigurableFileCollection$UnresolvedItemsCollector.visitContents(DefaultConfigurableFileCollection.java:324)
    at org.gradle.api.internal.file.collections.DefaultConfigurableFileCollection.visitChildren(DefaultConfigurableFileCollection.java:324)
    at org.gradle.api.internal.file.CompositeFileCollection.visitContents(CompositeFileCollection.java:133)
    at org.gradle.api.internal.file.AbstractFileCollection.visitStructure(AbstractFileCollection.java:366)
    at org.gradle.api.internal.file.CompositeFileCollection.lambda$visitContents$0(CompositeFileCollection.java:133)
    at org.gradle.api.internal.file.collections.DefaultConfigurableFileCollection$UnresolvedItemsCollector.visitContents(DefaultConfigurableFileCollection.java:324)
    at org.gradle.api.internal.file.collections.DefaultConfigurableFileCollection.visitChildren(DefaultConfigurableFileCollection.java:324)
    at org.gradle.api.internal.file.CompositeFileCollection.visitContents(CompositeFileCollection.java:133)
    at org.gradle.api.internal.file.AbstractFileCollection.visitStructure(AbstractFileCollection.java:366)
    at org.gradle.api.internal.file.FileCollectionBackedFileTree.visitContents(FileCollectionBackedFileTree.java:96)
    at org.gradle.api.internal.file.FileCollectionBackedFileTree.visit(FileCollectionBackedFileTree.java:70)
    at com.android.build.gradle.internal.tasks.MergeNativeLibsTask.doTaskAction(MergeNativeLibsTask.kt:141)
    at com.android.build.gradle.internal.tasks.NonIncrementalTask$taskAction$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.GeneratedMethodAccessor550.invoke(Unknown Source)
    at java.base/jdk.internal.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
    at org.gradle.internal.reflect.JavaMethod.invoke(JavaMethod.java:125)
    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$3.run(TaskExecution.java:248)
    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:233)
    at org.gradle.api.internal.tasks.execution.TaskExecution.executeActions(TaskExecution.java:216)
    at org.gradle.api.internal.tasks.execution.TaskExecution.executeWithPreviousOutputFiles(TaskExecution.java:199)
    at org.gradle.api.internal.tasks.execution.TaskExecution.execute(TaskExecution.java:166)
    at org.gradle.internal.execution.steps.ExecuteStep.executeInternal(ExecuteStep.java:105)
    at org.gradle.internal.execution.steps.ExecuteStep.access$000(ExecuteStep.java:44)
    at org.gradle.internal.execution.steps.ExecuteStep$1.call(ExecuteStep.java:59)
    at org.gradle.internal.execution.steps.ExecuteStep$1.call(ExecuteStep.java:56)
    at org.gradle.internal.operations.DefaultBuildOperationRunner$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:56)
at org.gradle.internal.execution.steps.ExecuteStep.execute(ExecuteStep.java:44)
at org.gradle.internal.execution.steps.RemovePreviousOutputsStep.execute(RemovePreviousOutputsStep.java:67)
at org.gradle.internal.execution.steps.RemovePreviousOutputsStep.execute(RemovePreviousOutputsStep.java:37)
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:50)
at org.gradle.internal.execution.steps.CreateOutputsStep.execute(CreateOutputsStep.java:28)
at org.gradle.internal.execution.steps.CaptureStateAfterExecutionStep.executeDelegateBroadcastingChanges(CaptureStateAfterExecutionStep.java:100)
at org.gradle.internal.execution.steps.CaptureStateAfterExecutionStep.execute(CaptureStateAfterExecutionStep.java:72)
at org.gradle.internal.execution.steps.CaptureStateAfterExecutionStep.execute(CaptureStateAfterExecutionStep.java:50)
at org.gradle.internal.execution.steps.ResolveInputChangesStep.execute(ResolveInputChangesStep.java:40)
at org.gradle.internal.execution.steps.ResolveInputChangesStep.execute(ResolveInputChangesStep.java:29)
at org.gradle.internal.execution.steps.BuildCacheStep.executeWithoutCache(BuildCacheStep.java:179)
at org.gradle.internal.execution.steps.BuildCacheStep.lambda$execute$1(BuildCacheStep.java:70)
at org.gradle.internal.Either$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:68)
at org.gradle.internal.execution.steps.BuildCacheStep.execute(BuildCacheStep.java:46)
at org.gradle.internal.execution.steps.StoreExecutionStateStep.execute(StoreExecutionStateStep.java:36)
at org.gradle.internal.execution.steps.StoreExecutionStateStep.execute(StoreExecutionStateStep.java:25)
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:91)
at org.gradle.internal.execution.steps.SkipUpToDateStep.lambda$execute$2(SkipUpToDateStep.java:55)
at org.gradle.internal.execution.steps.SkipUpToDateStep.execute(SkipUpToDateStep.java:55)
at org.gradle.internal.execution.steps.SkipUpToDateStep.execute(SkipUpToDateStep.java:37)
at org.gradle.internal.execution.steps.ResolveChangesStep.execute(ResolveChangesStep.java:65)
at org.gradle.internal.execution.steps.ResolveChangesStep.execute(ResolveChangesStep.java:36)
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:77)
at org.gradle.internal.execution.steps.ResolveCachingStateStep.execute(ResolveCachingStateStep.java:38)
at org.gradle.internal.execution.steps.ValidateStep.execute(ValidateStep.java:94)
at org.gradle.internal.execution.steps.ValidateStep.execute(ValidateStep.java:49)
at org.gradle.internal.execution.steps.CaptureStateBeforeExecutionStep.execute(CaptureStateBeforeExecutionStep.java:71)
at org.gradle.internal.execution.steps.CaptureStateBeforeExecutionStep.execute(CaptureStateBeforeExecutionStep.java:45)
at org.gradle.internal.execution.steps.SkipEmptyWorkStep.executeWithNonEmptySources(SkipEmptyWorkStep.java:177)
at org.gradle.internal.execution.steps.SkipEmptyWorkStep.execute(SkipEmptyWorkStep.java:86)
at org.gradle.internal.execution.steps.SkipEmptyWorkStep.execute(SkipEmptyWorkStep.java:53)
at org.gradle.internal.execution.steps.RemoveUntrackedExecutionStateStep.execute(RemoveUntrackedExecutionStateStep.java:32)
at org.gradle.internal.execution.steps.RemoveUntrackedExecutionStateStep.execute(RemoveUntrackedExecutionStateStep.java:21)
at org.gradle.internal.execution.steps.legacy.MarkSnapshottingInputsStartedStep.execute(MarkSnapshottingInputsStartedStep.java:38)
at org.gradle.internal.execution.steps.LoadPreviousExecutionStateStep.execute(LoadPreviousExecutionStateStep.java:36)
at org.gradle.internal.execution.steps.LoadPreviousExecutionStateStep.execute(LoadPreviousExecutionStateStep.java:23)
at org.gradle.internal.execution.steps.CleanupStaleOutputsStep.execute(CleanupStaleOutputsStep.java:75)
at org.gradle.internal.execution.steps.CleanupStaleOutputsStep.execute(CleanupStaleOutputsStep.java:41)
at org.gradle.internal.execution.steps.AssignWorkspaceStep.lambda$execute$0(AssignWorkspaceStep.java:32)
at org.gradle.api.internal.tasks.execution.TaskExecution$4.withWorkspace(TaskExecution.java:293)
at org.gradle.internal.execution.steps.AssignWorkspaceStep.execute(AssignWorkspaceStep.java:30)
at org.gradle.internal.execution.steps.AssignWorkspaceStep.execute(AssignWorkspaceStep.java:21)
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:47)
at org.gradle.internal.execution.steps.IdentifyStep.execute(IdentifyStep.java:34)
at org.gradle.internal.execution.impl.DefaultExecutionEngine$1.execute(DefaultExecutionEngine.java:64)
at org.gradle.api.internal.tasks.execution.ExecuteActionsTaskExecuter.executeIfValid(ExecuteActionsTaskExecuter.java:146)
at org.gradle.api.internal.tasks.execution.ExecuteActionsTaskExecuter.execute(ExecuteActionsTaskExecuter.java:135)
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:74)
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:42)
at org.gradle.execution.taskgraph.DefaultTaskExecutionGraph$InvokeNodeExecutorsAction.execute(DefaultTaskExecutionGraph.java:337)
at org.gradle.execution.taskgraph.DefaultTaskExecutionGraph$InvokeNodeExecutorsAction.execute(DefaultTaskExecutionGraph.java:324)
at org.gradle.execution.taskgraph.DefaultTaskExecutionGraph$BuildOperationAwareExecutionAction.execute(DefaultTaskExecutionGraph.java:317)
at org.gradle.execution.taskgraph.DefaultTaskExecutionGraph$BuildOperationAwareExecutionAction.execute(DefaultTaskExecutionGraph.java:303)
at org.gradle.execution.plan.DefaultPlanExecutor$ExecutorWorker.execute(DefaultPlanExecutor.java:463)
at org.gradle.execution.plan.DefaultPlanExecutor$ExecutorWorker.run(DefaultPlanExecutor.java:380)
at org.gradle.internal.concurrent.ExecutorPolicy$CatchAndRecordFailures.onExecute(ExecutorPolicy.java:64)
at org.gradle.internal.concurrent.AbstractManagedExecutor$1.run(AbstractManagedExecutor.java:47)
```

is there any behaviour changes about merging native libs?

Message last modified on Aug 10, 2023 07:15PM

da...@gmail.com <da...@gmail.com> [#4](#)

if I tried to understand the method:

```
private fun toAbiRootedPath(file : File, relativePath: RelativePath) : String {
    return if (abiTags.any { it == relativePath.segments[0] }) {
        // Case (1) the relative path starts with an ABI name. Return it directly.
        relativePath.pathString
    } else {
        // Case (2) the relative path does not start with an ABI name. Prepend the
        // ABI name from the end of [file] after [relativePath] has been removed.
        var root = file
        repeat(relativePath.segments.size) { root = root.parentFile }
        val abi = root.name
        if (!abiTags.any { it == abi }) {
            error("$abi extracted from path $file is not an ABI")
        }
        abi + separatorChar + relativePath.pathString
    }
}
```

my native lib goes to case (2) which after validating the abiTags it doesn't match anyone because:

- val abi = root.name will return "out" string
- abiTags list from com.android.build.gradle.internal.core.Abi will return list with values:

```
ARMEABI(SdkConstants.ABI_ARMEABI),
ARMEABI_V7A(SdkConstants.ABI_ARMEABI_V7A),
ARM64_V8A(SdkConstants.ABI_ARM64_V8A),
X86(SdkConstants.ABI_INTEL_ATOM),
X86_64(SdkConstants.ABI_INTEL_ATOM64),
MIPS(SdkConstants.ABI_MIPS),
MIPS64(SdkConstants.ABI_MIPS64),
RISCV64(SdkConstants.ABI_RISCV64);
```

which will never match the root.name

and then return the error "\$abi extracted from path \$file is not an ABI". My Question is what should I do about that error? I don't make any changes about my native lib (.so) and al

Message last modified on Aug 10, 2023 07:28PM

da...@gmail.com <da...@gmail.com> [#5](#)

Unfortunately, after moving the jni source dir, the problem solved itself. here's what I tried :

Before

```
sourceSets {
    getByName("main") {
        ...
        jniLibs.srcDir("src/main/jniLibs/core")
    }
}
```

lib path:

```
:core
  src/
    main/
      jniLibs/
        core/
          arm64-v8a/
```



```
armeabi-v7a/  
x86/  
x86_64/
```

After

```
sourceSets {  
    getByName("main") {  
        ...  
        jniLibs.srcDir("src/main/jniLibs")  
    }  
}
```

and then move relative .so path to:

```
:core  
  src/  
    main/  
      jniLibs/  
        arm64-v8a/  
        armeabi-v7a/  
        x86/  
        x86_64/
```



sn...@sony.com <sn...@sony.com> [#6](#)

Note that <https://stackoverflow.com/questions/76753627/how-to-fix-android-project-build-failing-with-so-is-not-an-abi/76805728> indicates that this affects jnilib-containing .AAR files as well



da...@gmail.com <da...@gmail.com> [#7](#)

you're right, I just notice from the stacktrace that it came from `.gradle/cache` which means it came from another library, thanks for your correction