

[Home](#)**ExternalNativeBuild**[Properties](#)[Script blocks](#)**Extension types**[AppExtension](#)[LibraryExtension](#)[TestExtension](#)[FeatureExtension](#)**Configuration blocks**[aaptOptions { }](#)[adbOptions { }](#)[buildTypes { }](#)[compileOptions { }](#)[dataBinding { }](#)[defaultConfig { }](#)[dexOptions { }](#)[externalNativeBuild { }](#)[jacoco { }](#)[lintOptions { }](#)[packagingOptions { }](#)[productFlavors { }](#)[signingConfigs { }](#)

# ExternalNativeBuild

DSL object to configure external native builds using **CMake** or **ndk-build**.

```
android {  
    externalNativeBuild {  
        // Encapsulates your CMake build configurations.  
        // For ndk-build, instead use the ndkBuild block.  
        cmake {  
            // Specifies a path to your CMake build script that's  
            // relative to the build.gradle file.  
            path "CMakeLists.txt"  
        }  
    }  
}
```

To learn more about including external native builds to your Android Studio projects, read [Add C and C++ Code to Your Project](#).

## Properties

| Property              | Description                       |
|-----------------------|-----------------------------------|
| <code>cmake</code>    | Encapsulates CMake build options. |
| <code>ndkBuild</code> | Encapsulates ndk-build options.   |

```
sourceSets { }  
splits { }  
testOptions { }
```

## Methods

No methods

## Script blocks

| Block                 | Description  |
|-----------------------|--|
| <code>cmake</code>    | Encapsulates per-variant configurations for your external ndk-build project, such as the path to your <code>CMakeLists.txt</code> build script and build output directory. |
| <code>ndkBuild</code> | Encapsulates per-variant configurations for your external ndk-build project, such as the path to your <code>Android.mk</code> build script and build output directory.     |

## Property details

`CmakeOptions` `cmake`

Encapsulates CMake build options.

For more information, see `CmakeOptions`.

`NdkBuildOptions` `ndkBuild`

Encapsulates ndk-build options.

For more information, see `NdkBuildOptions`.

## Script block details

```
cmake { }
```

Encapsulates per-variant configurations for your external ndk-build project, such as the path to your `CMakeLists.txt` build script and build output directory.

For more information about the properties you can configure in this block, see [CmakeOptions](#).

**Delegates to:**

[CmakeOptions](#) from `cmake`

```
ndkBuild { }
```

Encapsulates per-variant configurations for your external ndk-build project, such as the path to your `Android.mk` build script and build output directory.

For more information about the properties you can configure in this block, see [NdkBuildOptions](#).

**Delegates to:**

[NdkBuildOptions](#) from `ndkBuild`

Except as noted, this content is licensed under [Apache 2.0](#). For details and restrictions, see the [Content License](#).