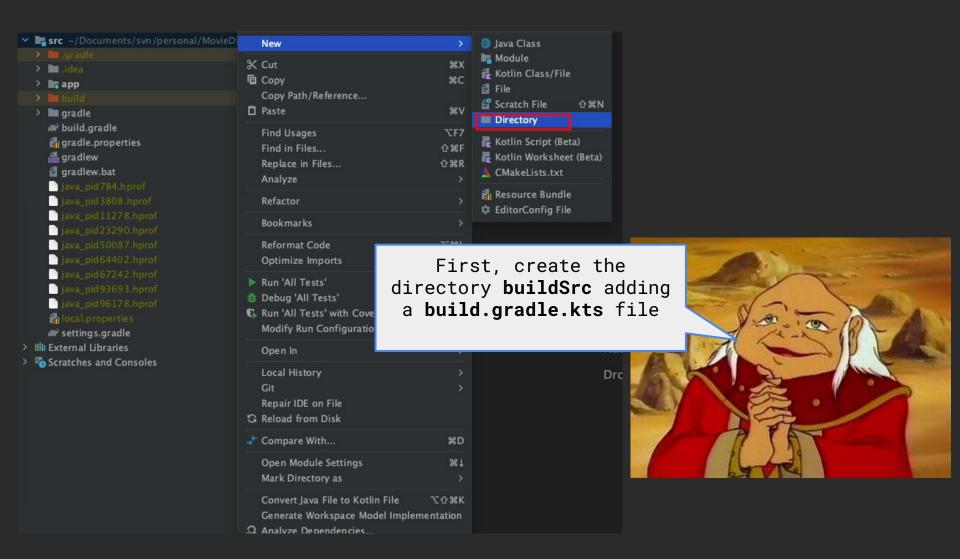
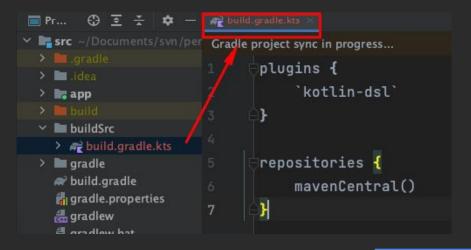


Build Configuration

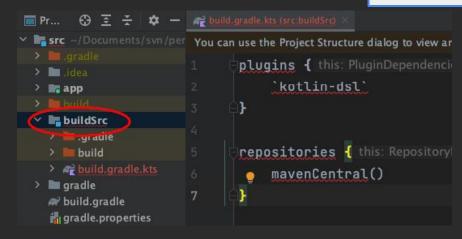
From Groovy to Kotlin DSL

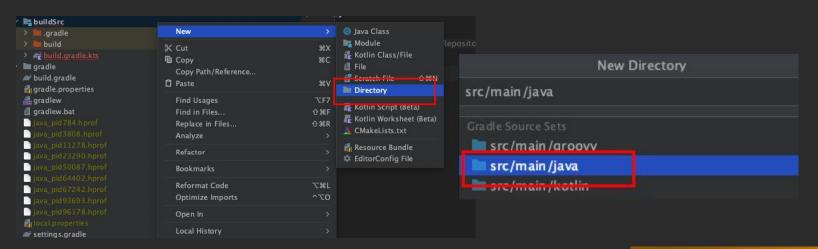


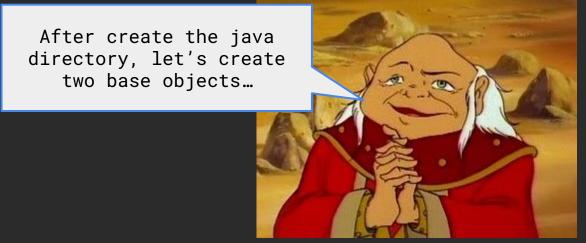




After you sync you will see an indicator in your **buildSrc**. Android Studio recognized.







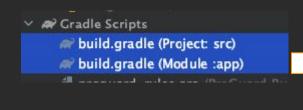
```
object Versions {
    const val kotlinVersion = "1.8.10"
    const val hiltVersion = "2.44"
    const val hiltNavigationCompose = "1.0.0"
    const val composeBomVersion = "2023.01.00"
    others
}
```

```
object ConfigData {
    const val applicationId = "com.gabrielbmo
    const val minSdkVersion = 22
    const val targetSdkVersion = 33
    const val compileSdkVersion = 33
    const val versionCode = 22
    const val versionName = "1.5.0"
}
```



Now, refactor the name of your build scripts to have the kts extension...





build.gradle.kts (Project: src) build.gradle.kts (Module :app)



Always the same thing.
Dungeon master says something and go
away. Now we have a lot of errors in
our Gradle files.





After 4 hours...



build.gradle -> Project level

```
repositories {
    mavenCentral()
    google()
}

dependencies {
    classpath "com.android.tools.build:gradle:$gradleVersion"
    classpath "org.jetbrains.kotlin:kotlin-gradle-plugin:$kotlinVersion"
    classpath "com.google.dagger:hilt-android-gradle-plugin:$hiltVersion"
}
```



```
repositories { this: RepositoryHandler
    mavenCentral()
    google()
}

dependencies { this: DependencyHandlerScope
    classpath("com.android.tocls.build:gradle:${Versions.gradleVersion}")
    classpath("org.jetbrains.kotlin:kotlin-gradle-plugin:${Versions.kotlinVersion}")
    classpath("com.google.dagger:hilt-android-gradle-plugin:${Versions.hiltVersion}")
}
```

build.gradle -> Project level

```
allprojects {
    repositories {
        google()
        maven { url 'https://jitpack.io' }
        mavenCentral()
    }
}
task clean(type: Delete) {
    delete rootProject.buildDir
}
```

```
allprojects { this: Project

repositories { this: RepositoryHandler

google()

mavenCentral()
}

tasks.register( name: "clean", Delete::class) {

delete(rootProject.buildDir)
}
```

```
plugins {
   id 'com.android.application'
   id 'kotlin-android'
   id 'kotlin-kapt'
   id 'dagger.hilt.android.plugin'
   id 'kotlin-parcelize'
}
```

```
plugins { this: PluginDependenciesSpecScope
   id("com.android.application")
   kotlin("android")
   kotlin("kapt")
   id("dagger.hilt.android.plugin")
   id("kotlin-parcelize")
}
```

```
android {
    compileSdkVersion rootProject.compileSdkVersion
   defaultConfig {
        applicationId "com.gabrielbmoro.programmingchallenge"
        minSdkVersion rootProject.minSdkVersion
        targetSdkVersion rootProject.targetSdkVersion
        versionCode 22
        versionName '1.5.0'
        testInstrumentationRunner "androidx.test.runner.AndroidJUnitRunner"
        vectorDrawables.useSupportLibrary true
    compileOptions {
        sourceCompatibility JavaVersion. VERSION_11
        targetCompatibility JavaVersion.VERSION_11
```

```
android { this: BaseAppModuleExtension
    compileSdk = ConfigData.compileSdkVersion
    defaultConfig { this: ApplicationDefaultConfig
        applicationId = ConfigData.applicationId
        minSdk = ConfigData.minSdkVersion
        targetSdk = ConfigData.targetSdkVersion
        versionCode = ConfigData.versionCode
        versionName = ConfigData.versionName
        testInstrumentationRunner = "androidx.test.runn
        vectorDrawables.useSupportLibrary = true
    * When I add the CustomPreference I needed to put t
    * - Reference: https://stackoverflow.com/questions/
    compileOptions { this: CompileOptions
        sourceCompatibility = JavaVersion.VERSION_11
        targetCompatibility = JavaVersion.VERSION_11
```

```
buildTypes {
   release {
       minifvEnabled false
       proguardFiles getDefaultProguardFile('proguard-android-optimize.txt')
       resValue "string", "api_token", "${MOVIE_DB_API_TOKEN_RELEASE}
    debug {
       resValue "string", "api_token", "${MOVIE_DB_API_TOKEN_DEBUG}
buildFeatures {
composeOptions {
    kotlinCompilerExtensionVersion rootProject.composeCompilerVersion
testOptions {
```

```
buildTypes { this: NamedDomainObjectContainer<ApplicationBuildType>
    debug { this: ApplicationBuildType
        resValue( type: "string", name: "api_token", findProperty( prop
    release { this: ApplicationBuildType
        proguardFiles(getDefaultProguardFile( name: "proguard-android
        resValue( type: "string", name: "api_token", findProperty( prop
buildFeatures { this: ApplicationBuildFeatures
composeOptions { this: ComposeOptions
    kotlinCompilerExtensionVersion = Versions.composeCompilerVersion
testOptions { this: TestOptions
```

```
dependencies {
   implementation fileTree(dir: 'libs', include: ['*.jar'])
   implementation "org.jetbrains.kotlin:kotlin-stdlib-jdk8:$rootProject.kotlinVersion"
   implementation "androidx.appcompat:appcompat:$rootProject.appcompatVersion"
   implementation "androidx.swiperefreshlayout:swiperefreshlayout:$rootProject.swipeRefreshVersion"
   implementation "androidx.cardview:cardview;$rootProject.cardViewVersion"
   // others ...
```

```
dependencies { this: DependencyHandlerScope
    implementation(fileTree(mapOf("dir" to "libs", "include" to listOf("*.jar"))))

implementation("org.jetbrains.kotlin:kotlin-stdlib-jdk8:${Versions.kotlinVersion}")

implementation("androidx.appcompat:appcompat:${Versions.appcompatVersion}")

implementation("androidx.swiperefreshlayout:swiperefreshlayout:${Versions.swipeRefreshVersion}")

implementation("androidx.cardview:cardview:${Versions.cardViewVersion}")

// others...
```



