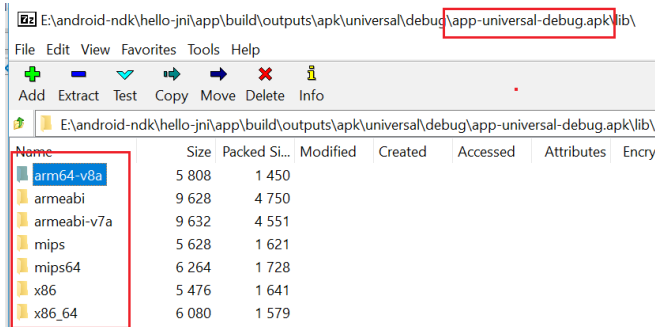# Specific CPU Architectures Application
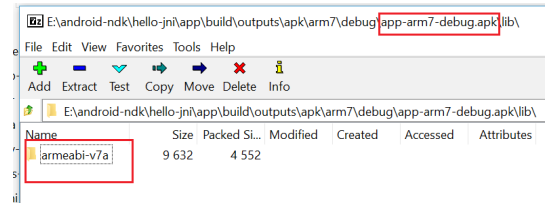
Universal vs Special APK

Universal APK

When building APK, default, build system include the binaries for each ABI in a single APK. This is universal APK.

Specific ABI APK

Specific ABI APK contains only the binaries for its ABI.

Splits Block

Splits is a Gradle configuration to build multiple APKs in a single project. Each generated APK contains only code and resources specific for density or ABI.

Use Splits Block To Specify ABI

Add splits block to your module-level build.gradle file.

```
android {
        splits {
                abi {
                        enable true          //enable Gradle generates APKs based on ABI
                        reset()              //clear target ABI list
                        include <abi>        //detemine target ABIs
                        universalAPK false   //avoid generate universal APK
                }
        }
}
```
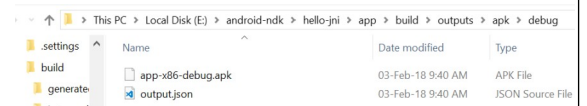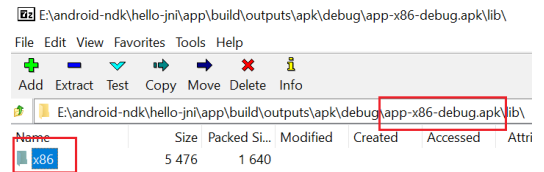
For example, you need to build x86 only.

Only x86 apk is generated.

Only x86 binary is packed in apk.

```
apply plugin: 'com.android.application'

android {
    compileSdkVersion 25
    defaultConfig {
        applicationId 'com.example.hellojni'
        minSdkVersion 23
        targetSdkVersion 25
        versionCode 1
        versionName "1.0"
    }

    splits {
        abi {
            enable true
            reset()
            include "x86"
            universalApk false
        }
    }

    buildTypes {
        release {
            minifyEnabled false
            proguardFiles getDefaultProguardFile('proguard-android.txt'),
                    'proguard-rules.pro'
        }
    }
}
```

You need to build x86 and armv7 only.

Only x86 and armv7 apk are generated.

```
apply plugin: 'com.android.application'

android {
    compileSdkVersion 25
    defaultConfig {
        applicationId 'com.example.hellojni'
        minSdkVersion 23
        targetSdkVersion 25
        versionCode 1
        versionName "1.0"
    }

    splits {
        abi {
            enable true
            reset()
            include "x86", "armeabi-v7a"
            universalApk false
        }
    }

    buildTypes {
        release {
            minifyEnabled false
            proguardFiles getDefaultProguardFile('proguard-android.txt'),
                    'proguard-rules.pro'
        }
    }
}
```