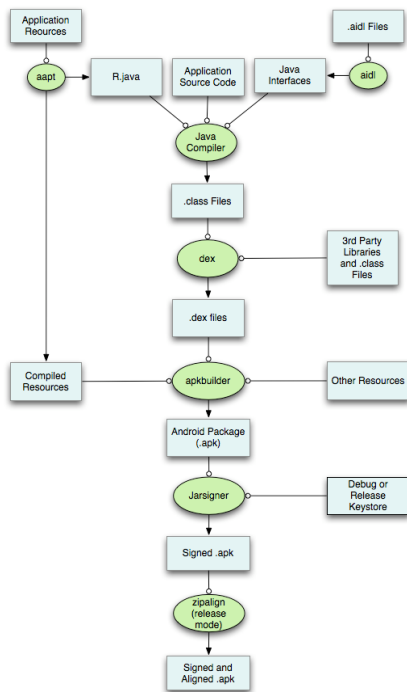


XML and Gradle

Contents

- XML
- Gradle
- More on Java

Android build process



Providing Resources

```
MyProject/  
  src/  
    MainActivity.java  
  res/  
    drawable/  
      graphic.png  
    layout/  
      main.xml  
      info.xml  
    mipmap/  
      icon.png  
    values/  
      strings.xml
```

```
<dimen name="margin_left">19dp</dimen>  
<dimen name="margin_top">5dp</dimen>  
<dimen name="margin_right">20dp</dimen>
```

Resource Types

- Animation Resources
- Color State List Resource
- Drawable Resources
 - Layout Resource
 - Menu Resource
 - String Resources
 - Style Resource
- More Resource Types

Accessing Resources

```
<activity android:theme="@android:style/Theme.Dialog">
```

```
@[<package_name>:]<resource_type>/<resource_name>
```

NOT to be confused with style attributes

```
android:layout_marginLeft="10dp"
```

```
android:layout_marginTop="32dp"
```

```
android:text="Small Text"
```

```
android:textAppearance="?android:attr/textAppearanceSmall"
```

```
?[<package_name>:][<resource_type>/]<resource_name>
```

<http://developer.android.com/guide/topics/resources/accessing-resources.html>

build.gradle

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

android {
    compileSdkVersion 20
    buildToolsVersion "20.0.0"

    defaultConfig {
        applicationId "com.mycompany.myapplication"
        minSdkVersion 13
        targetSdkVersion 20
        versionCode 1
        versionName "1.0"
    }

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

dependencies {
    compile fileTree(dir: 'libs', include: ['*.jar'])
    compile 'com.android.support:appcompat-v7:20.0.0'
    compile project(path: ':app2', configuration: 'android-endpoints')
}
```

More java

- **ArrayList, StringBuilder, Wrapper class, autoboxing**
- **HashMap, Generic, and lambda expression**