

# Android Project & Sth

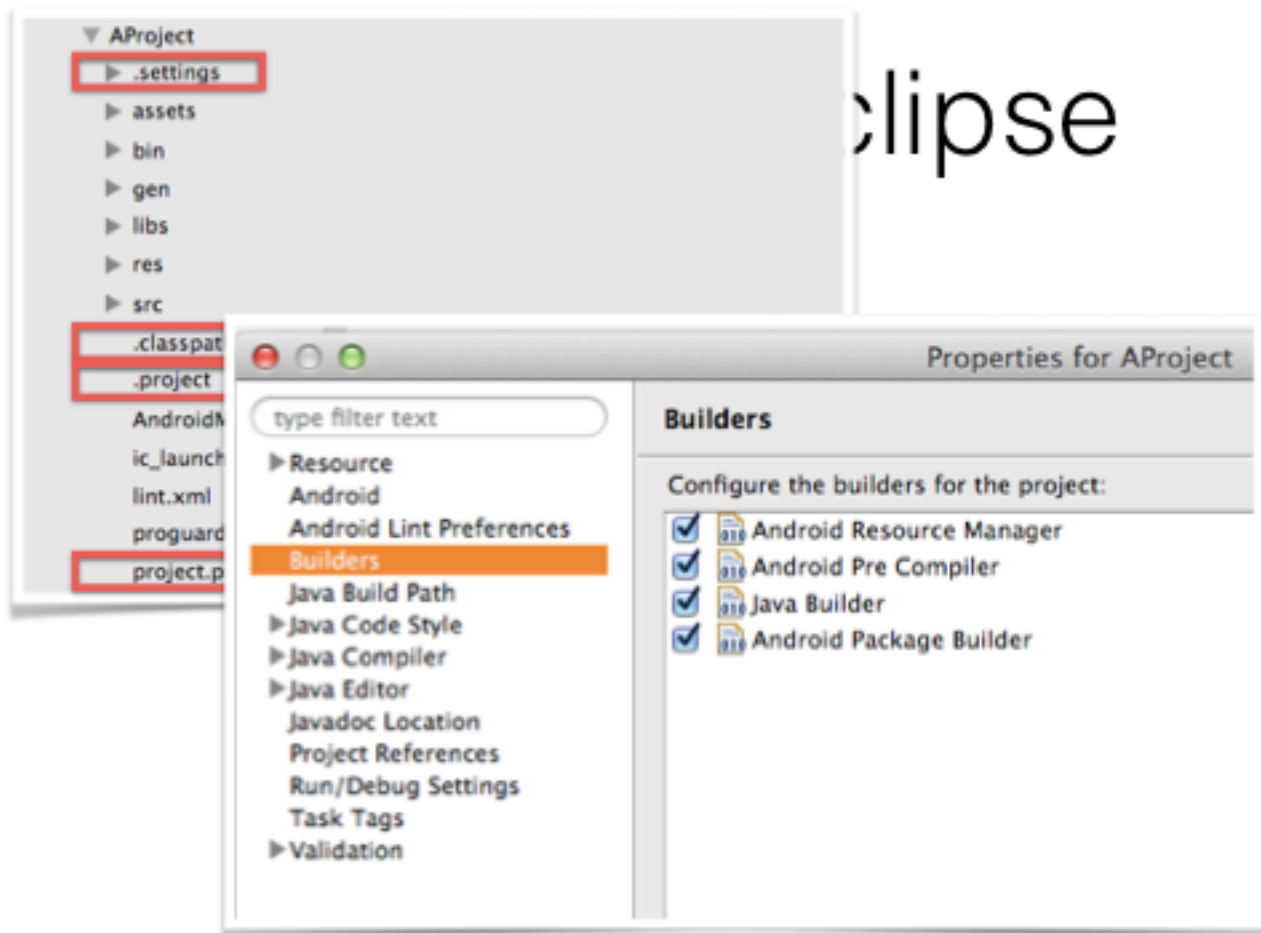
Different kinds of Projects

# Different kinds of Projects

- Eclipse
- Ant
- Maven
- Gradle: <https://github.com/loopj/android-async-http>



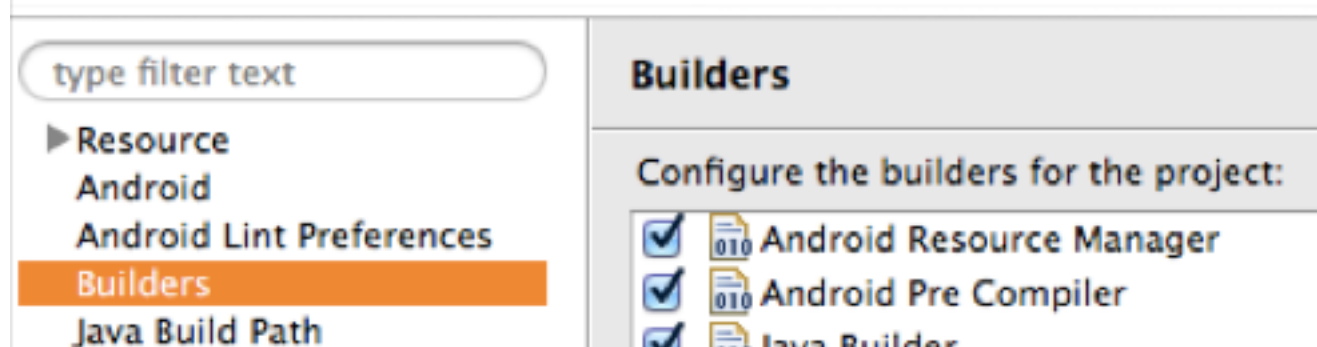
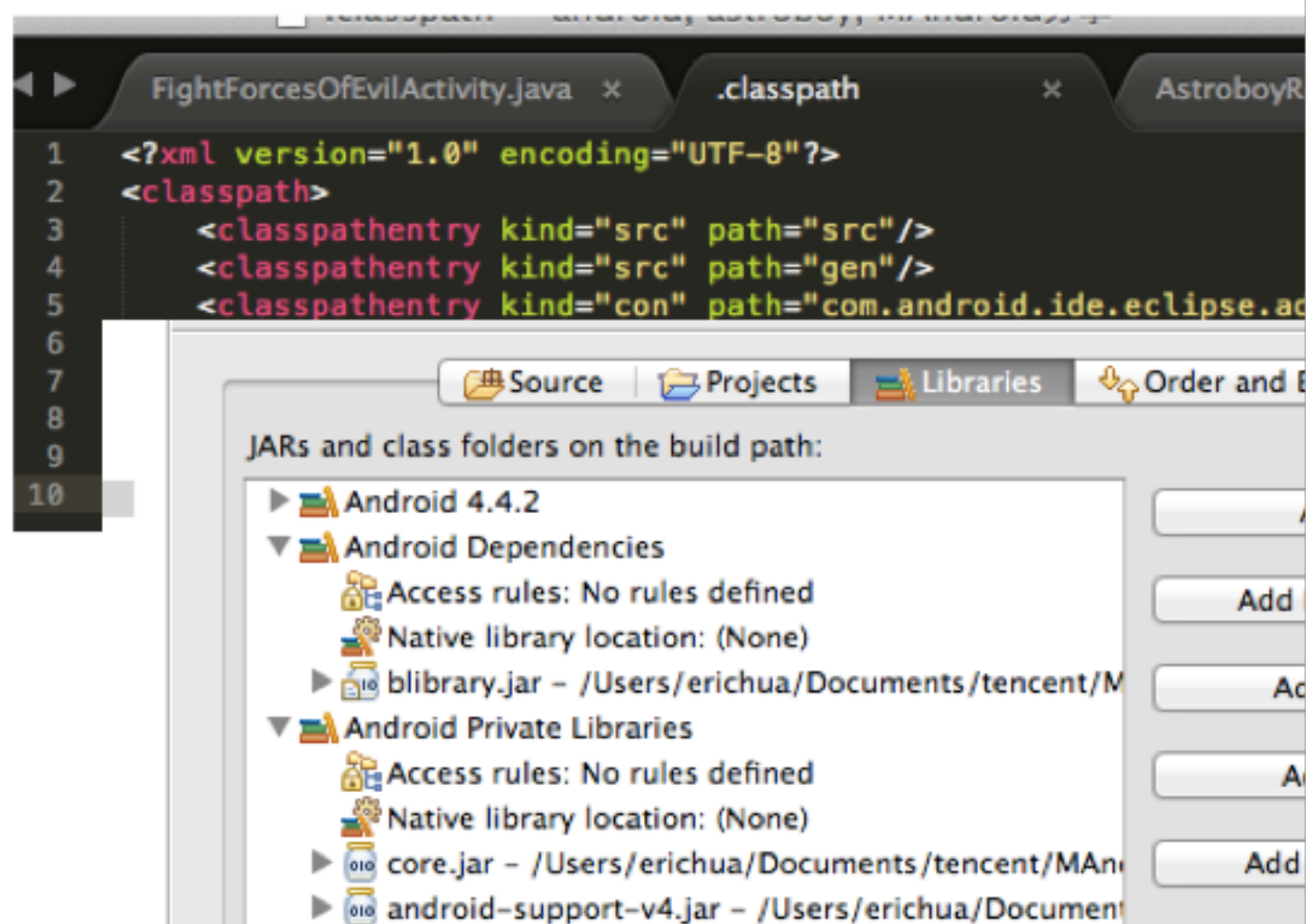
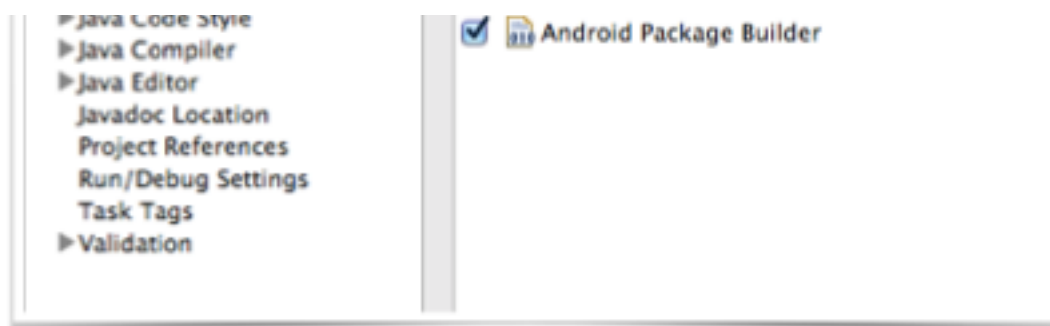
- Maven
- Gradle: <https://github.com/loopj/android-async-http>



```

1  <?xml version="1.0" encoding="UTF-8"?>
2  <classpath>
3      <classpathentry kind="src" path="src"/>
4      <classpathentry kind="src" path="gen"/>
5      <classpathentry kind="con" path="com.android.ide.eclipse.ad
6

```



- Android Dependencies
  - Access rules: No rules defined
  - Native library location: (None)
  - library.jar - /Users/erichua/Documents/tencent/M
- Android Private Libraries
  - Access rules: No rules defined
  - Native library location: (None)
  - core.jar - /Users/erichua/Documents/tencent/MAN
  - android-support-v4.jar - /Users/erichua/Document

Add

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- Resource
- Android
- Android Lint Preferences
- Builders**
- Java Build Path
- Java Code Style
- Java Compiler
- Java Editor
- Javadoc Location
- Project References

## Builders

Configure the builders for the project:

- ☒ Android Resource Manager
- ☒ Android Pre Compiler
- ☒ Java Builder
- ☒ Android Package Builder

```
21 </arguments>
22 </buildCommand>
23 <buildCommand>
24 <name>com.android.ide.eclipse.adt.ApkBuilder</name>
25 <arguments>
26 </arguments>
27 </buildCommand>
28 </buildSpec>
29 <natures>
30 <nature>com.android.ide.eclipse.adt.AndroidNature</nature>
31 <nature>org.eclipse.jdt.core.javanature</nature>
32 </natures>
33 </projectDescription>
```

bin

gen

jni

libs

obj

res

- AppByAndroidCmc
- AProject
  - .settings
  - assets
  - bin
  - gen

## Project References

```
21     </arguments>
22   </buildCommand>
23   <buildCommand>
24     <name>com.android.ide.eclipse.adt.ApkBuilder</name>
25     <arguments>
26     </arguments>
27   </buildCommand>
28 </buildSpec>
29 <natures>
30   <nature>com.android.ide.eclipse.adt.AndroidNature</nature>
31   <nature>org.eclipse.jdt.core.javanature</nature>
32 </natures>
33 </projectDescription>
34
```

▶ bin

▶ gen

▶ jni

▶ libs

▶ obj

▶ res

▶ src

.classpath

.cproject

.project

AndroidManifest.xml

ic\_launcher-web.png

lint.xml

```
<name>AProject</name>
```

```
<comment></comment>
```

```
<projects>
```

```
</projects>
```

```
<buildSpec>
```

```
  <buildCommand>
```

```
    <name>org.eclipse.cdt.managedbuilder.core.genmake</name>
```

```
    <triggers>clean,full,incremental,</triggers>
```

```
    <arguments>
```

```
  </arguments>
```

lint.xml  
proguard-project.txt  
project.properties

.cproject

.project

AndroidManifest.xml

ic\_launcher-web.png

lint.xml

```
<name>AProject</name>
<comment></comment>
<projects>
</projects>
<buildSpec>
  <buildCommand>
    <name>org.eclipse.cdt.managedbuilder.core.genmakebuilder</name>
    <triggers>clean,full,incremental,</triggers>
    <arguments>
    </arguments>
  </buildCommand>
  <buildCommand>
    <name>com.android.ide.eclipse.adt.ResourceManagerBuilder</name>
    <arguments>
    </arguments>
  </buildCommand>

```

```
23 <sourceSystem id="com.android.ide.eclipse.adt.ToolchainGCC" name="com.android.ide.eclipse.adt.ToolchainGCC"
24 <superClass id="com.android.ide.eclipse.adt.ToolchainGCC" name="com.android.ide.eclipse.adt.ToolchainGCC"
25 <targetPlatform id="org.eclipse.cdt.core.BSP" name="org.eclipse.cdt.core.BSP"
26 <builder id="com.android.ide.eclipse.adt.Builder" name="com.android.ide.eclipse.adt.Builder"
27 <managedBuilder id="false" name="Android Builder" superClass="com.android.ide.eclipse.adt.Builder"
28 <outputDirectory id="com.android.ide.eclipse.adt.Builder" name="obj"
29 <entry id="com.android.ide.eclipse.adt.Builder" name="obj"
30 <entry id="com.android.ide.eclipse.adt.Builder" name="lib"

```

# Workspace



```
</arguments>  
</buildCommand>
```

```
23 <toolchain id="com.android.toolschain:gc-8012815" name="com.android.toolschain:gc"  
24   superClass="com.android.toolschain:gc">  
25   <targetPlatform binaryParser="org.eclipse.cdt.core.BLF" id="com.android.  
26     targetPlatform.1809162815" isAbstract="false" superClass="com.android.targetPlatform"  
27   />  
28   <builder id="com.android.builder.240808023" keepEnvironmentInBuildfile="false"  
29     managedBuildfile="false" name="Android.Builder" superClass="com.android.builder"  
30   >  
31     <outputEntries>  
32       <entry flags="VALUE_WORKSPACE_PATH|RESOLVED" kind="outputPath" name="obj"/>  
33       <entry flags="VALUE_WORKSPACE_PATH|RESOLVED" kind="outputPath" name="lib"/>  
34     </outputEntries>  
35   </builder>  
36 </toolchain>
```

# Workspace

- Relation between **Project** and **Workspace** & **Source Code**

☒ Create custom launcher icon

☒ Create activity

☐ Mark this project as a library

☐ Create Project in Workspace



☒ Create custom launcher icon

☒ Create activity

☐ Mark this project as a library

☐ Create Project in Workspace

Location:

#### Working sets

☐ Add project to working sets

Working sets:

Create New Project

/.../tencent/MAndroid分享/workspace/.metadata/.plugins/org.eclipse.core.resour...

Name	Size	Modified
.metadata	1,961,528	Today, 12:
.plugins	1,957,977	Today, 12:
org.eclipse.cdt.core	0	Today, 12:
org.eclipse.cdt.make.core	2	Today, 12:
org.eclipse.core.resources	8,557	Today, 12:
.history	537	Today, 12:
.projects	2,475	Today, 12:
AProject	2,475	Today, 12:
index	2,222	Today, 12:

☐ Add project to working sets

Working sets:

Create New Project

/.../tencent/MAndroid分享/workspace/.metadata/.plugins/org.eclipse.core.resour...

Name	Size	Modified
.metadata	1,961,528	Today, 12:
.plugins	1,957,977	Today, 12:
org.eclipse.cdt.core	0	Today, 12:
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org.eclipse.core.resources	8,557	Today, 12:
.history	537	Today, 12:
.projects	2,475	Today, 12:
AProject	2,475	Today, 12:
.indexes	2,222	Today, 12:
a0	1,464	Today, 12:
5f	150	Today, 12:
properties.index	150	Today, 12:
66	167	Today, 12:
properties.index	167	Today, 12:
cd	162	Today, 12:
properties.index	162	Today, 12:
d6	322	Today, 12:
properties.index	322	Today, 12:
de	347	Today, 12:
eb	158	Today, 12:
ee	158	Today, 12:

## Build with Ant

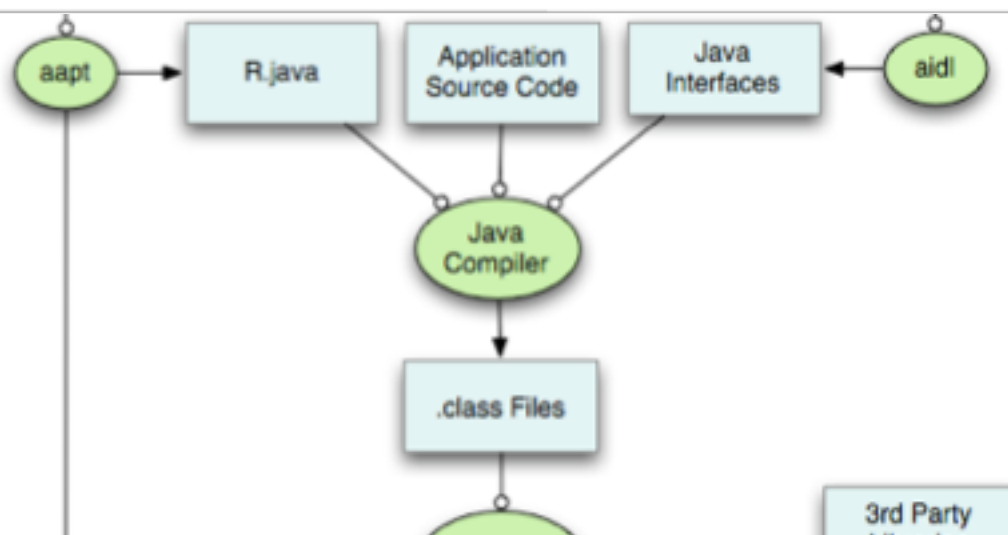
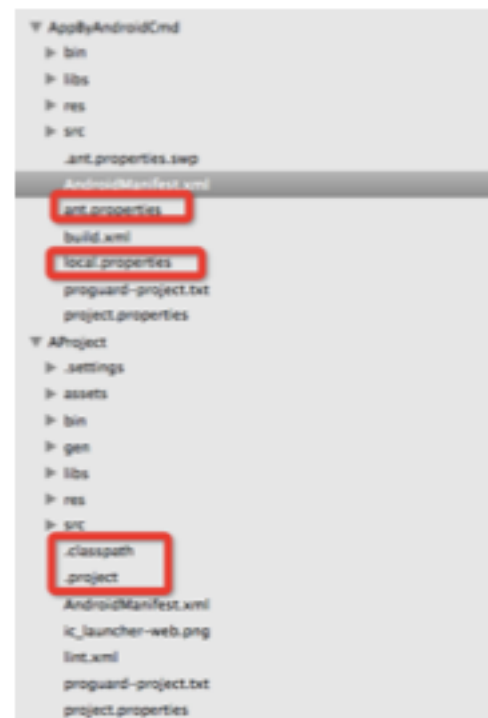
```
android create project --  
target 15 --name
```



properties.index	167	Today, 12:
cd	162	Today, 12:
properties.index	162	Today, 12:
d6	322	Today, 12:
properties.index	322	Today, 12:
de	347	Today, 12:
eb	158	Today, 12:
ee	158	Today, 12:

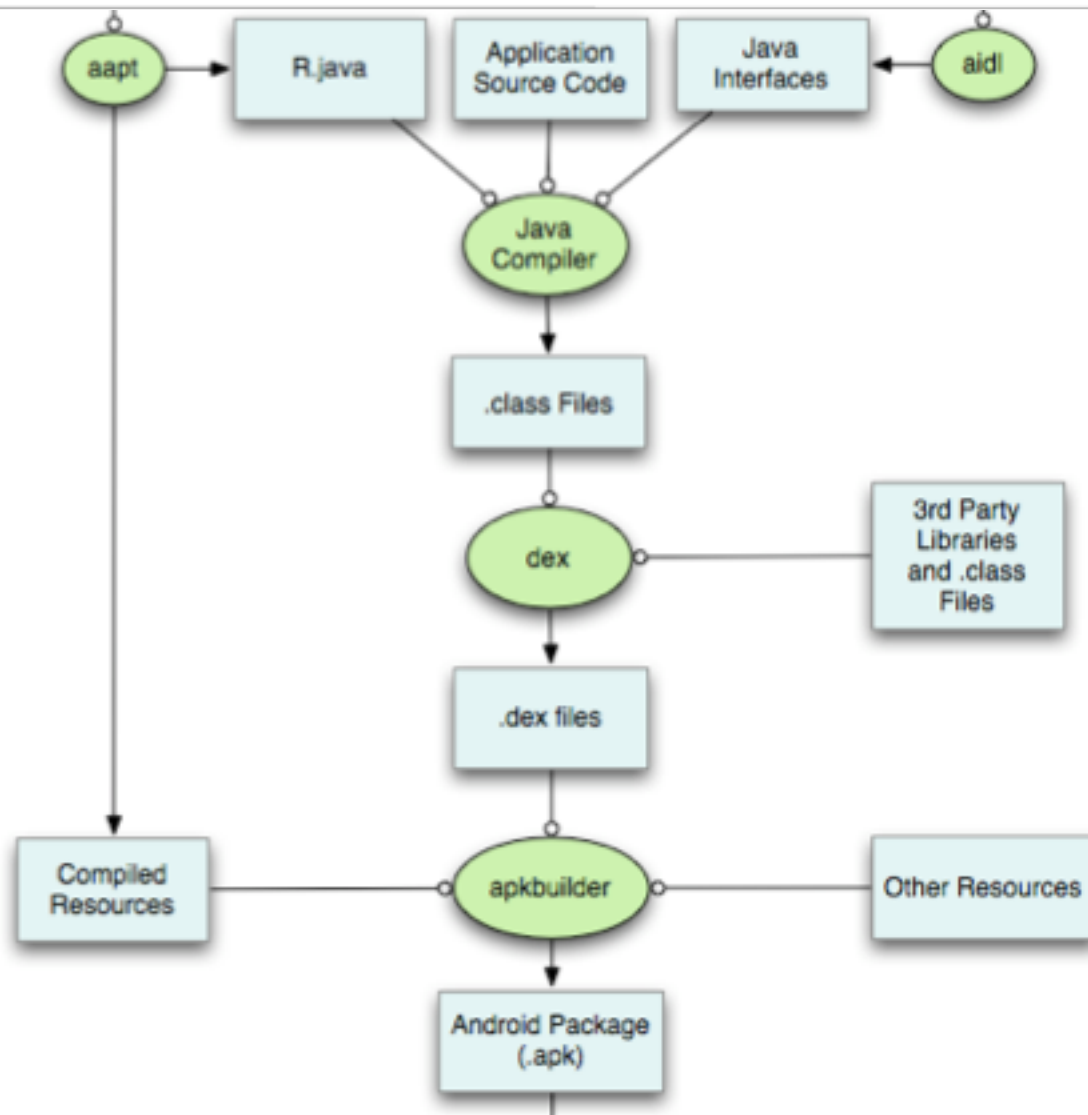
# Build with Ant

```
android create project --
target 15 --name
AppByAndroidCmd \
--path ./AppByAndroidCmd \
--activity MainActivity \
--package
com.example.myfirstapp
```



com.example.myfirstapp

```
> libs
> res
> src
  .classpath
  .project
  AndroidManifest.xml
  ic_launcher-web.png
  lint.xml
  proguard-project.txt
  project.properties
```



# Build with Maven

<https://github.com/github/android>

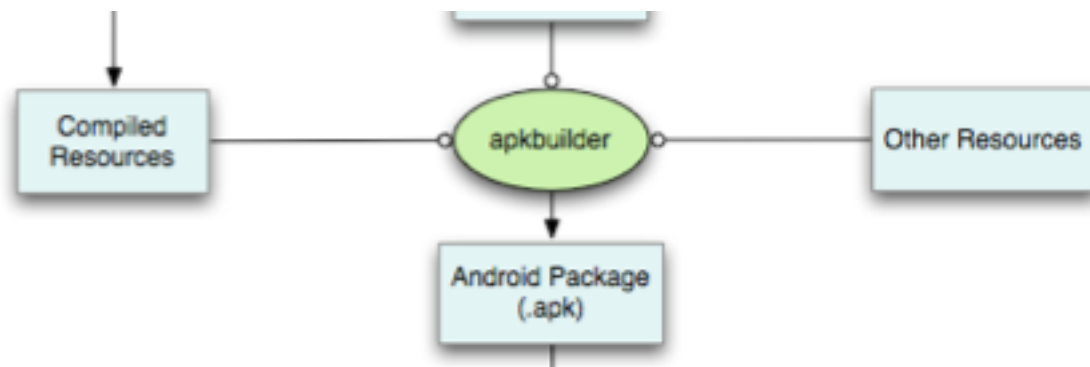
Prepare 1.9 release



kevinawicki authored on Feb 21



update IntelliJ settings to match expected style from eclipse



# Build with Maven




<https://github.com/github/android>

Prepare 1.9 release	
kevinawicki authored on Feb 21	
.idea	update intelliJ settings to match expected style from eclipse
app	Prepare 1.9 release
integration-tests	Prepare 1.9 release
.gitignore	caching avatars using urls, not userId
.travis.yml	Fix Travis CI configuration
README.md	Update readme. Now building requires Maven 3.1.1+
default.properties	Upgrade target to 16 in default properties file at root
pom.xml	Prepare 1.9 release
proguard.cfg	Whitespace normalization.

# Build with Gradle












<https://github.com/loopj/android-async-http>

Merge pull request #623 from grumoon/master	
fineswap authored 2 days ago	
library	Merge pull request #623 from grumoon/master

 <code>default.properties</code>	Upgrade target to 16 in default properties file at root
 <code>pom.xml</code>	Prepare 1.9 release
 <code>proguard.cfg</code>	Whitespace normalization.






# Build with Gradle

<https://github.com/loopj/android-async-http>

Merge pull request #623 from grumoon/master	
fineswap authored 2 days ago	
 <code>library</code>	Merge pull request #623 from grumoon/master
 <code>releases</code>	Backup commit
 <code>sample</code>	Merge pull request #619 from fineswap/RangeResponse
 <code>.gitignore</code>	Removed ADT/Android configuration files
 <code>.travis.yml</code>	updated Travis configuration
 <code>CONTRIBUTING.md</code>	Update CONTRIBUTING.md
 <code>README.md</code>	Updated README
 <code>build.gradle</code>	Backup commit
 <code>gradle.properties</code>	Updated build (both Travis and Gradle configuration)
 <code>maven_push.gradle</code>	Fixed exporting Javadocs and Sources JAR
 <code>settings.gradle</code>	Fixed Sample project structure for Gradle

# Other Tools

- **Wrapper**
- **StartExplorer**
- **FindBugs**
- **Eclipse Marketplace Client**
- **SVN**

 <a href="#">README.md</a>	Updated README
 <a href="#">build.gradle</a>	Backup commit
 <a href="#">gradle.properties</a>	Updated build (both Travis and Gradle configuration)
 <a href="#">maven_push.gradle</a>	Fixed exporting Javadocs and Sources JAR
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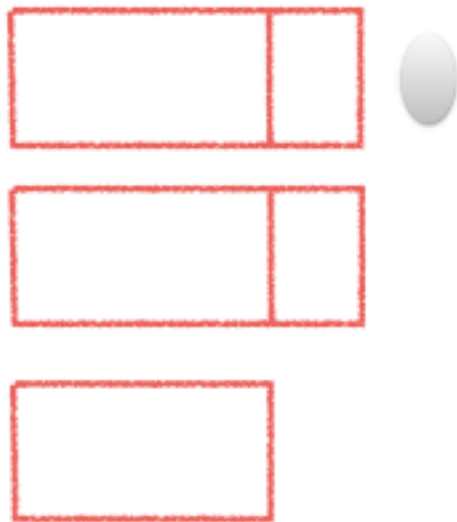
- **Vrapper**
  - **StartExplorer**
  - **FindBugs**
  - **Eclipse Marketplace Client**
  - **SVN**
- 
- `colordiff`

# Shortcuts





# Shortcuts



# Shortcuts

- Delete Lines
- Move Lines
- Show Call Hierarchy
- Improve Code Autocomplete



# Shortcuts

- Delete Lines
- Move Lines
- Back to Last Edit Position
- Switch Tab
- Open Type
- Generate Code
- Show Call Hierarchy
- Improve Code Autocomplete
- Code Templates