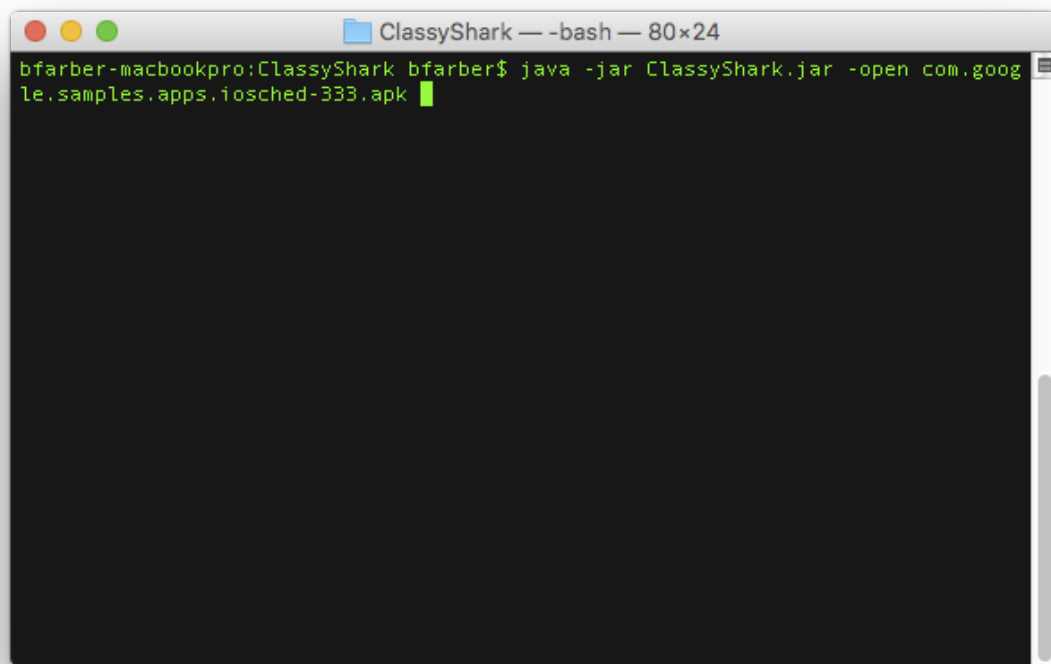# Command line

ver 1.0

Together with a stylish UI ClassyShark provides a rich API and command line functionality. In this part we are going to explore what ClassyShark can do for you from the command line. In the upcoming API section we see how ClassyShark provides APIs to every data in String form. One can use the export Java APIs as part of one's build and continuous integration pipeline. Here are the command line services.

1. Open your APK in ClassyShark

```
java -jar ClassyShark.jar -open <YOUR_APK.apk>
```

2. Open your APK in ClassyShark and show a specific class in GUI

```
java -jar ClassyShark.jar -open <BINARY_FILE> <FULLY_QUALIFIED_CLASS_NAME>
```
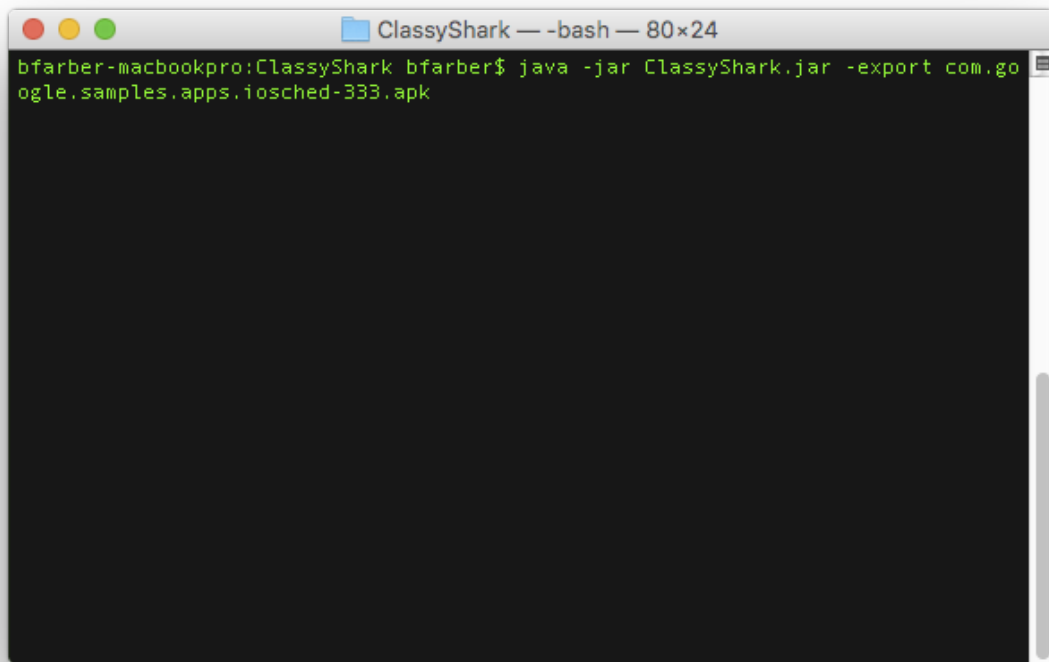
```
bfarber-macbookpro:ClassyShark bfarber$ java -jar ClassyShark.jar -open com.goog
le.samples.apps.iosched-333.apk com.google.common.collect.GenericMapMaker
```

Opens the ClassyShark GUI with the specific class showing in the UI plane.

3. Export APK

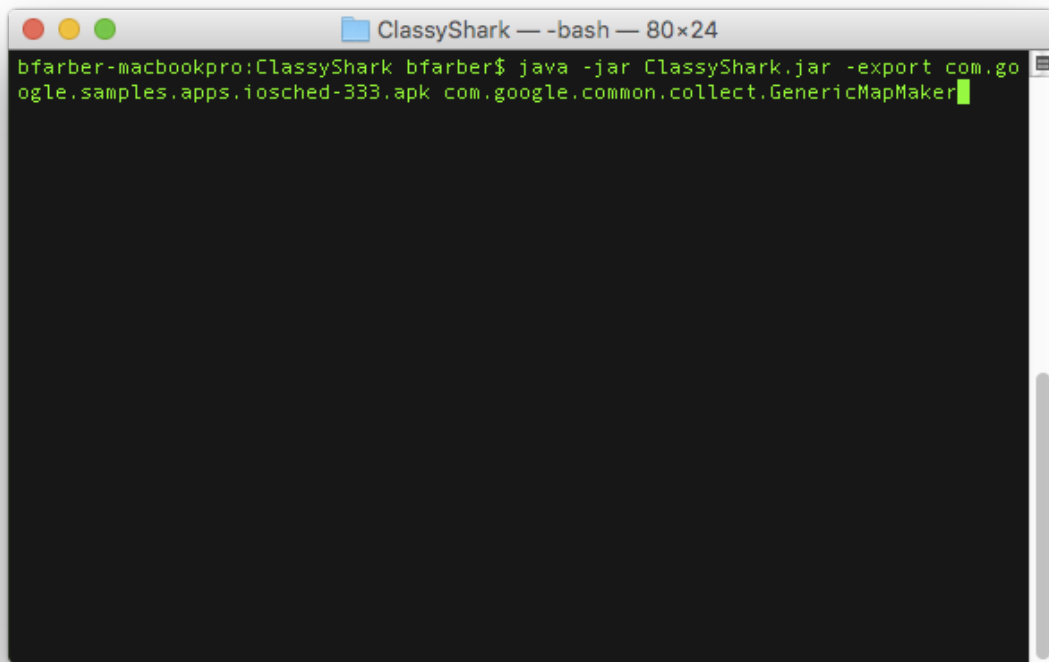java -jar ClassyShark.jar -export <BINARY_FILE>

```
bfarber-macbookpro:ClassyShark bfarber$ java -jar ClassyShark.jar -export com.go
ogle.samples.apps.iosched-333.apk
```

ClassyShark will analyze the APK and dump out the following files, in a grep friendly fashion

- all_classes.txt - list of all classes
- all_methods.txt - all the method names and signatures from all the dexes
- all_strings.txt - all the string tables from all the dexesall_strings.txt - all the string tables from all the dexes
- AndroidManifest.xml_dump - goes without saying

4. Export a specific class from APK

```
java -jar ClassyShark.jar -export <BINARY_FILE>
<FULLY_QUALIFIED_CLASS_NAME>
```
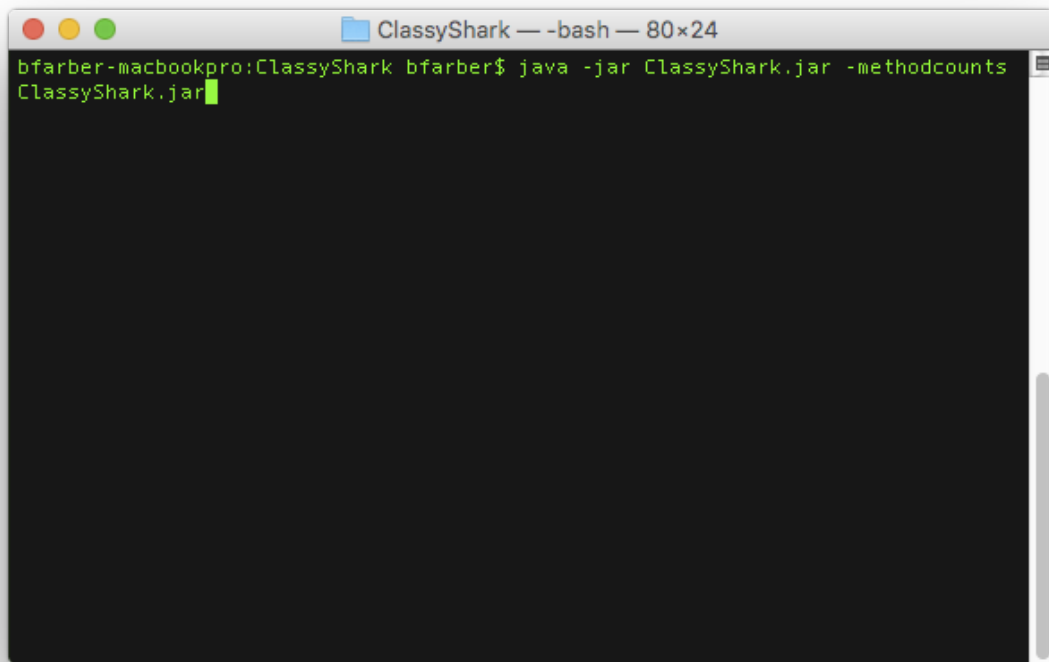
```
bfarber-macbookpro:ClassyShark bfarber$ java -jar ClassyShark.jar -export com.go
ogle.samples.apps.iosched-333.apk com.google.common.collect.GenericMapMaker
```

ClassyShark generates and dumps a text file, which is a human readable representation of the class, passed as parameter.

5. Dump all packages with their method counts

```
java -jar ClassyShark.jar -methodcounts <BINARY_FILE>
```
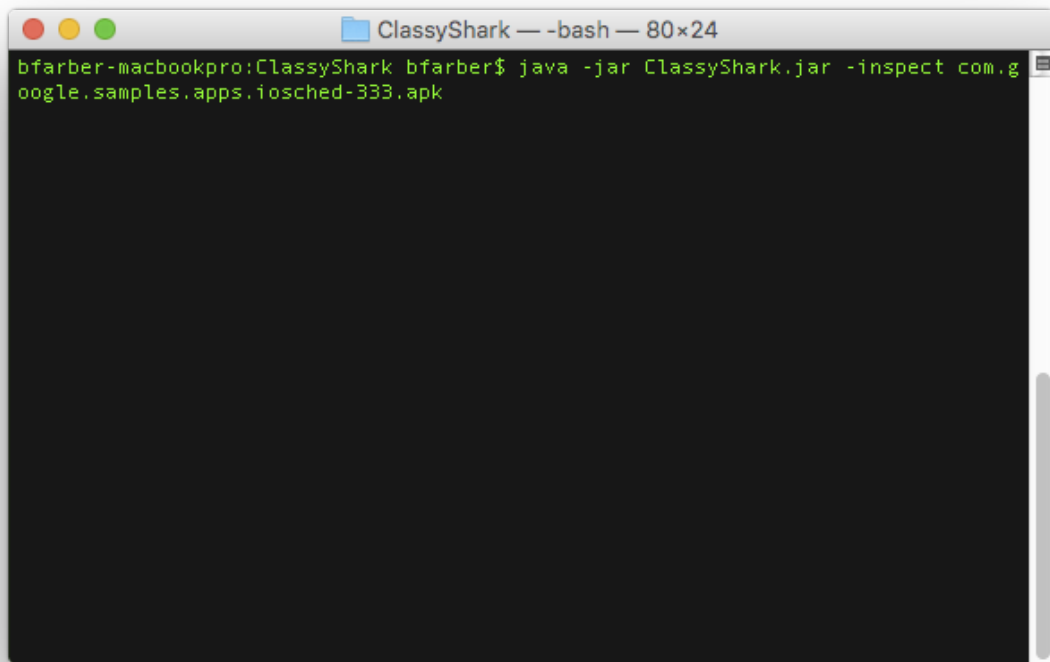
ClassyShark dumps all the packages tree with packages method counts.

6. Inspect APK(experimental)

```
java -jar ClassyShark.jar -inspect <YOUR_APK.apk>
```

```
bfarber-macbookpro:ClassyShark bfarber$ java -jar ClassyShark.jar -inspect com.g
oogle.samples.apps.iosched-333.apk
```

Dumps out to command prompt all the classes that have test as their class names, native and abstract methods