

# Unpacking & Decompiling an Application File (.apk):

## PREP

- **Install** most recent version of **Dex2Jar** on your desktop:  
<http://code.google.com/p/dex2jar/downloads/list>
- **Install** most recent version of **JD-GUI** on your desktop:  
<http://www.softpedia.com/get/Programming/Debuggers-Decompilers-Dissassemblers/JD-GUI.shtml>
- **Install** most recent **Java Development Kit**:  
<http://www.oracle.com/technetwork/java/javase/downloads/jdk7-downloads-1880260.html>

## STEP 1

- **RENAME** the application (.apk) file, appending a .zip extension to the end of the file name.
  - **EXAMPLE:** `zombie_highway.apk` becomes `zombie_highway.apk.zip`

## STEP 2

- **DOUBLE CLICK** on the newly named .zip file to **open** it and see the contents of the file.
- **Locate** the `classes.dex` file within the unzipped file
- **COPY** the `classes.dex` file

## STEP 3

- **PASTE** the `classes.dex` file into the **dex2jar directory** created during prep stage
- **OPEN** a **command prompt** and **navigate** to the **dex2jar directory** on the desktop
- **EXECUTE** the batch file `"d2j -dex2jar.bat classes.dex"`
- This command will create a file named `classes_dex2jar.jar` in the **dex2jar directory**

## Step 4

- **OPEN** the `jd-gui` Java Decompiler and **navigate** to the `classes_dex2jar.jar` created in the previous step
- **OPEN** the `classes_dex2jar.jar` file to view and navigate the contents of the programming to reveal what the .apk file is doing