| **Tool** | **Apktool** | **Dex2jar** | **JD-GUI** |
| --- | --- | --- | --- |
| Type | Decompiler | Converter | Decompiler |
| Platform | Cross-platform (Java-based) | Cross-platform (Java-based) | Cross-platform (Java-based) |
| Compatibility | Supports APKs up to Android 11 | Supports APKs up to Android 7 | Compatible with Java class files from any version |
| Functionality | Can decode resources and rebuild APKs | Converts APK files to JAR files | Decompiles Java class files into readable code |
| Ease of Use | May require some knowledge of command-line tools | Easy to use, just drag and drop APK files onto tool | Easy to use, has a simple graphical interface |
| Modification | Can modify resources and Java code | Can convert APKs to JARs, but not for modification | Cannot modify code, only view it |
| Limitations | Not suitable for modifying native code | Does not support newer APK formats or Android 8+ | Cannot decompile obfuscated code or certain methods |