

In this specific case, the code is open-source and so it is theoretically possible to convert to JNI. Indeed, JNI conversion is on our to-do list. However, in practice, doing so is extremely difficu before my internship is over in a few weeks (though I will likely be working on it somewhat).
However, I would imagine that there some cases out there in which conversion to a library is not possible. One such case could be the use of proprietary programs, where the source code is a safer in that regard (since there is no linking involved).
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here's the CL that added the debuggable exemption: https://android-review.googlesource.com/c/platform/frameworks/base/+/286464
looks like we'd need to plumb the targetSdkVersion all the way through too if we wanted to do this.
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this came up again in https://github.com/landley/toybox/issues/238