python-for-android Documentation

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Alexander Taylor

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python-for-android is an open source build tool to let you package Python code into standalone android APKs. These can be passed around, installed, or uploaded to marketplaces such as the Play Store just like any other Android app. This tool was originally developed for the Kivy cross-platform graphical framework, but now supports multiple bootstraps and can be easily extended to package other types of Python apps for Android.

python-for-android supports two major operations; first, it can compile the Python interpreter, its dependencies, back-end libraries and python code for Android devices. This stage is fully customisable: you can install as many or few components as you like. The result is a standalone Android project which can be used to generate any number of different APKs, even with different names, icons, Python code etc. The second function of python-for-android is to provide a simple interface to these distributions, to generate from such a project a Python APK with build parameters and Python code to taste.

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