

Services and Processes management tool in Developer Options category

Abstract:

The tool under development is a task managing application designed mostly for Android developers. It is an extension to the existing Developer Options category which is found inside Android System Settings.

Via this tool, the user can be informed about which Processes and Services are currently active and how much RAM they have allocated. More specifically, one has the ability to inspect a given service in detail, or kill a given Process.

Navigation:

Navigating to the application is straightforward. A user must initially select the device's Settings, which is divided into sub-categories. There exists a sub-category named System, below which one can find Developer Options selection. Inside Developer Options, there exist various options meant for experienced users. Atop this window, a new option will be integrated that redirects the user to the new tool.

Functionality:

Inside the application, there are two buttons provided - one for Services and one for Processes. The user can press on any of those in order to view a complete list of Service names or Process names as well as the amount of RAM in use for each one of them.

- If the user is at the Services list and presses one of them, a popup window will show and provide technical details. The user can then navigate back to the list.
- If the user is at the Processes list and long presses one of them, a confirmation dialogue will show asking him to kill the given service. Then, the previous list is updated according to the user's decision.