Analysis of the Android Architecture
Studien- oder Bachelorarbeit

Motivation:
Android is an architecture for mobile devices. It includes an operating system based on
Linux 2.6 which was modified to support typical devices and also to satisfy mobility/power-
management needs of mobile platforms. It furthermore includes the Dalvik VM, a Java VM
optimized for mobile devices and the Android SDK providing tools, libraries and an API for
the Android application framework.

Assignment:
• Analyze the Android Architecture
  o How do the different Layers interface?
  o Which features does the API/middleware offer?
  o Which possibilities does Android offer the kernel and application developer?
• Analyze the Android Kernel
  o Which extensions have been made?
  o Which effects do these extensions have?
• Analyze the Dalvik VM
  o What does the HW support do?
• Etc.

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