Android Native Code Analysis

What's it about?
Mobile applications often contain severe implementation mistakes that have a critical impact on security. We have already created dynamic and static analysis tools for Android application analysis. However, those tools are not yet capable of analyzing native code. This project aims to find out ways to analyze native application code.

Goals:
- Analyze native code in Android applications
- Analyze security features:
  - Key Derivation
  - Encryption
  - Secure communication

Interests:
- Mobile Devices
- Android
- Static, dynamic code analysis

Impact:
- Very important for analyzing the security of security relevant smartphone applications

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