



Smartphone Security Review

Issue

Smartphones are widely used these days. These modern devices are used in all kind of different areas (industry, public services, financial services) and the corresponding information which is processed on the devices therefore requires a large variety of security measures. Furthermore, the way smartphones are used may differ significantly from other IT resources and ask for new specific security requirements.

Smartphones have known and unknown weaknesses. Best practice requires that productive applications are carefully designed and appropriately protected such that known weaknesses cannot be exploited.

cnlab Services

cnlab analyzes the application and the underlying infrastructure components. The goal is to identify the **vulnerability** to known weaknesses, to identify the potential **damage** which can incur if a weakness is exploited, and to assess the related **risk** for the organizations. Further, suggestions for **improvements** are worked out where this seems necessary.

The cnlab methodology is based on our own experience from more than 20 years in the field, and on the common standards (such as ISO 27001 / ISO 27002, BSI, OWASP, OSSTMM, HIPAA).

Project Sketch

Projects start with an **analysis** phase (interviews, document studies). Based on this, detailed test plans are worked out for a subsequent **verification** phase (automated and manual tests, analysis of selected source code and configurations). Results are always documented in a formal **report** which provides a management summary, a description of the review and the obtained results, a list of the performed tests, and a list of the identified weaknesses and the related risks, together with possible measures to improve.

Work depends on actual application size and complexity. Typical projects start from 5 days, and go up to 20 and more (person) days.

Success Stories

cnlab has performed several hundred application reviews for major Swiss banks and for major Internet e-commerce systems since 1997. Reviews have shown considerable weaknesses (in some cases). Based on our engineering background we have always been able to work out improvements which could be implemented within reasonable time and budget, and which could effectively fight the observed weaknesses.



cnlab contacts

Detail Information on application reviews can be obtained from the following cnlab representatives:

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