



Security Assessment of Sensitive Mobile Services



As phones become more powerful and connected, the services offered become more sensitive, with services such as payment and e-ticketing.

Trusted Labs offers a wide range of services to meet the needs of both mobile network operators and application operators.

Security analysis

The first step in integrating a sensitive application in a mobile environment is to ensure that all actors understand each other's requirements.

Trusted Labs offers dedicated services, relying on its security experts, and on its wide range of security tools:

- General **risk analysis**, based on the **EBIOS** methodology, to better understand the security environment and associated constraints.
- Detailed **security analysis**, focusing on the specific constraints of a given application deployment, and yielding a **security policy**.

Development support

As sensitive applications are new in the mobile environment, it is important to provide adequate support to developers, and to raise their awareness of security issues.

Trusted Labs offers support services, relying on the know-how of their technical experts:

- **Training sessions** on specific topics, including the security of mobile platforms and the security of Java Card applications.
- The development of **developer guidelines** that define the constraints to be followed in a given development.

Security evaluation

Security policies and developer guidelines are only efficient if they are enforced. Trusted Labs offers a wide variety of evaluation services:

- **Evaluation process** definition, as required for a given application.
- **Coordination of evaluation** activities, which often involve several actors and laboratories.
- **Platform evaluation** services, in particular architectural and logical robustness testing
- Manual and/or partly automated **application analysis**, to enforce a security policy

References

Security analysis and development support:

- Risk analyses for various mobile and application operators.
- Development of developer guidelines and support documents

Evaluation activities:

- Coordination of many security evaluations in the context of MasterCard Worldwide's CAST process.
- Security evaluation of SIM cards and mobile applications for a major French operator.

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