

Défis de l'intégration d'applications de paiement et de gestion de l'identité sur des smartphones grand public

Challenges in integration of identity and payment applications on off-the-shelf smartphones

Mots clés :

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- **Domaine scientifique principal**: Sciences et technologies de l'information et de la communication

Résumé du projet de recherche (Langue 1)

The goal of this CIFRE PhD thesis is to design novel techniques and methodologies to enable the implementation of secure primitives for trustworthy acquisition of biometric data and usage in security-sensitive scenarios.

Applications include, for example, smartphone-based identification and payments.

Standard smartphones may be used and have different levels of security. For example, some devices may have a TEE and/or a Secure Element. In some cases the system and the platform may be modified to improve security. Eventually, the designed system may be implemented in a prototype running on different devices that are representative of the different deployment scenarios, for which its security and privacy aspects against the different threat models will be evaluated.

Résumé du projet de recherche (Langue 2)

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