Trusted Application Kit

Delivers trust to the mobile world by securing mobile applications

The challenge

Mobile phones have become an integral part of many consumers' lives and they expect service providers to adapt to their mobile lifestyles. Mobile applications are now found in a wide variety of use cases for managing security-critical, sensitive, and personal data in business and personal life. The use of apps is growing. The subsequent increase in the number of downloads from app stores and in the time spent using apps has made them the target of more and more attacks. Therefore, providing secure and convenient mobile applications to users while building and maintaining customer trust poses a major challenge to application providers. The fragmentation of the mobile device ecosystem and addressing the needs of the mass market while providing the right level of security are tough nuts to crack.

The solution

To meet this growing demand for security, G&D offers the "Trusted Application Kit" (TAK). This mobile application security framework for mobile operating systems is completely transparent to the end user. TAK is implemented during development and provides proactive app security during runtime and detailed feedback. The issue with the growing number of end user devices, different OS versions, or even country-specific devices is easily resolved. With TAK, security is taken care of by G&D, leaving the application provider free to focus on adding value, differentiating, and meeting time-to-market requirements.

Did you know …

In initial commercial deployments, TAK and core parts of it already protect millions of end user devices while supporting more than 1,000 different devices out of the box.

Features

SECURE END USER
A multitude of security mechanisms protect what counts: user's most confidential data.

SECURE PLATFORM
Mechanisms like device binding and jailbreaking/rooting detection make the device more secure.

SECURE LIFECYCLE
TAK supports secure provisioning where each application is personalized for the user device. In addition, it allows out-of-band security information on the status of the mobile application.

SECURE EXCHANGE
The secure exchange of confidential information between the application and the service provider server prevents network sniffing, for example.

PRIVACY & DATA PROTECTION
Compliant with applicable requirements, e.g. the German Federal Data Protection Act (BDSG).

SECURE STORAGE
Allows sensitive and confidential data to be stored on the device for greater peace of mind among users.

SECURE INSIGHTS
Enables monitoring of how rolled-out applications are behaving in the field, e.g. statistical data on the number of rooted devices.

The benefits

MODULARITY
TAK is a modular mobile device software security solution with a bidirectional security and feedback principle. Future functionalities will be added as modules.

SECURITY FOR ALL
TAK separates security from the business logic, enabling use in all verticals, and is independent of device/OS platforms, so there's no need for adaption.

PROTECTION
TAK prevents unauthorized analysis, modification, copying, and usage of security-relevant parts.
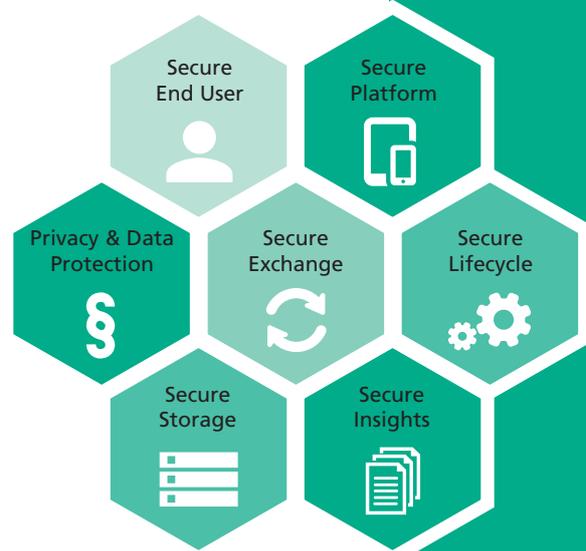
USER-CENTRIC
Higher security without any hassle, nonintrusive for app users.

EASY INTEGRATION
TAK is widely scalable and can be easily integrated by service providers, application providers and OEMs.

TRUST THE EXPERTS
TAK is offered to application/service providers as a security service.

Secure End User

Secure Platform

Privacy & Data Protection

Secure Exchange

Secure Lifecycle

Secure Storage

Secure Insights

Did you know…

Gartner cites application security as one of the most interesting topics to be considered in "Gartner Security and Risk Management Summit, September 2016".