



certgate MAPL™
ADVANCED SECURITY
FOR MOBILE APPLICATIONS

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What is certgate MAPL™?

certgate MAPL™ is an easy-to-integrate solution providing advanced levels of security for any mobile application. In case of device loss or even attacks based on device rooting the access to the application with its sensitive data is safely protected. The **certgate MAPL™** library is available free of charge on the MAPL portal mapl.certgate.com.

How can certgate MAPL™ help me as a developer?

Applications running in their own sandbox on Android meet only basic security demands. In case of device rooting, device loss or malware a more advanced level of security is required. Especially the Bring-Your-Own-Device trend, that is getting embraced by IT and business professionals alike, raises significant security concerns about sensitive corporate data stored on mobile devices. With mobile security risks on the rise this poses a great challenge for application developers taking away their focus from the functionality to the security of their applications.

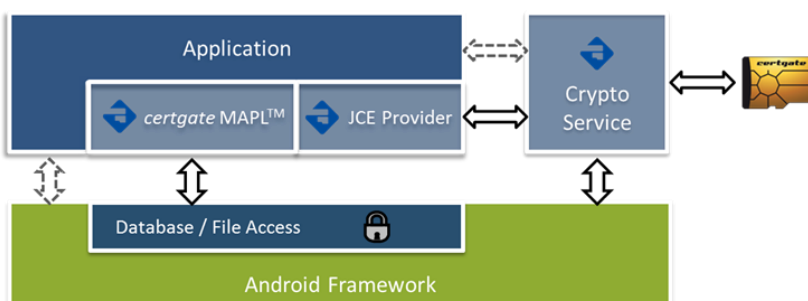
Which applications can benefit from certgate MAPL™?

Every application with sensitive customer or corporate data can benefit from **certgate MAPL™**. The scope includes amongst others mobile banking and payment, voice encryption, dedicated enterprise software such as mobile ERP and CRM or any kind of app store.

Technical Overview

certgate MAPL™ or Mobile Application Protection Layer for Android hardens any existing Android application with execution protection through a personal identification number including encryption and decryption of application data. A secured SharedPreferences-, InternalStorage- and Database-Framework is accessible throughout a subset of the proprietary Android APIs. A tamper-proof location for the key in a secure hardware token, such as the certgate SmartCard, additionally boosts the security level of the Android application.

Architecture



Key Features and Benefits

- Application execution protection
- Encryption of application and its data
- Easy to integrate into any application
- Protection of application and data in case of device loss or theft and even against attacks based on device rooting
- Helps applications to increase compliance with corporate or government security policies
- For premium security: Supports the tamper-proof secure element certgate SmartCard microSD
- Free of charge for non-commercial use

Visit
<https://mapl.certgate.com/>
to download certgate MAPL™ free of charge

About certgate GmbH

Founded in 2008, certgate is a mobile IT security innovator located in Nuremberg, Germany. Our mission is to deliver to its customers solutions which significantly increase security levels on mobile devices.

certgate was the first to develop a microSD memory card encompassing full smartcard functionality to bring hardware-based crypto functions to smartphones and tablets. We hold a number of patents in this area.

certgate is mastering the secure mobile IT device all the way up from hardware to application level and enables its partners comprising application vendors, payment specialists, and MNOs, to provide better products and services to their clients.

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