

T6

General-purpose mobile security platform with ARM TrustZone.

Necessity of a general purpose mobile Operating system

With the popularity of mobile devices growing, there is a constantly increasing possibility that mobile devices access, process or store data of higher confidentiality. Security has gradually become one of the major concerns for the mobile devices.

The development of mobile devices market poses following requirements

- High guarantee of information security
- Leverage the existing software stacks to ensure the usability.

The current commodity operating system, which owns a huge TCB and a wide attack surface, is extremely complex and notoriously to reinforce, while a brand new platform faces the problem of poor software ecosystem.

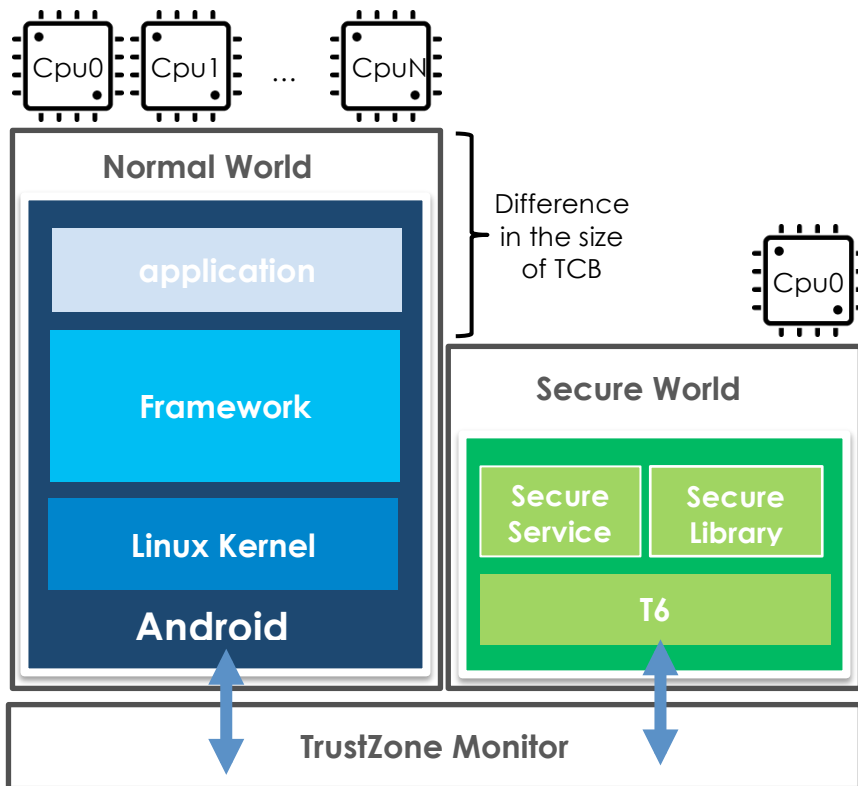
We provide T6, an OS based on ARM TrustZone technology, which coexists with legacy operating system.

Product highlights

- Isolation to achieve both security and usability.
- Low TCB with small attack surface
- Rich User Mode Libraries Support For Trusted Applications
- Conform to TEE standardization
- Compatible with most of the existing commodity operating systems
- Highly customizable

T6: Secure OS and TEE

T6 is an operating system for TrustZone based Trusted Execution Environment (TEE) in mobile and embedded systems. T6 targets at mobile devices using ARM hardware security extension: TrustZone, which supports legacy operating systems (Android, Linux, etc.) to run simultaneously and provides a strong security property for the legacy operating systems and aims to provide an easy-to-use trusted computing platform for research community, a product-quality TEE for mobile device providers. T6 is provided to customers in full source code form and the architects of TrustKernel team will help our customers deploy our secure solutions to their products.



Rich User Mode Libraries Support for Trusted Applications

T6 provides a rich series of user-land libraries such as crypto, libC, openssl, secure GUI, so that developers could focus on the implementation of their business specific application logic.

Compatible with Global Platform API

T6 supports Global Platform TEE Client API v1.0 and Global Platform TEE Internal API v1.0, so that legacy trusted applications could run directly atop of T6 without any modification.

Compatible with most of existing commodity OSes

T6 doesn't rely on any platform specific services provided by the OS running in the normal world and is compatible with systems like Android, Ubuntu and common RTOS without any modifications.

Highly Qualified

Low Cost

Ready to Market

Learn More

For more information, please visit <http://trustkernel.org> or email contact@trustkernel.org.

About TrustKernel

Founded in 2013 and headquartered in Shanghai, TrustKernel is focused on next generation mobile and server security solutions and tries to provide these available solutions to end users.

TrustKernel's defined goal is to deliver fast and simple IT security solutions for mobile, embedded devices and server to our customers and partners.