inside secure
DRIVING TRUST

CONTENT PROTECTION CLIENT

Downloadable and embedded
DRM solutions for IOS, Android and Linux

¡: APPLICATION

- Phones & Tablets
- Set-Top-Boxes
- Smart TV
- Gaming Consoles
- Media Extenders
- Chipsets Middleware

¡: FEATURES

- HLS, Smooth Streaming, MPEG-DASH adaptive streaming
- PIFF downloadable files
- UltraViolet™ Common File Format (CFF)
- Common Media Application Format (CMAF)
- Offline viewing and subtitles...
- HTML5
- Immersive audio
- Analytics

¡: SECURITY

- Major DRM scheme support: Microsoft Playready, Google Widevine, Verimatrix ViewRight
- Hollywood Studios approved
- Pure software (obfuscation) or hardware based
- Trusted Execution Environment (TEE) and Secure Content Path integration
- More than 25-year hardware and software security expertise
- HDCP & DTCP-IP secured display connections

Inside Secure® provides the most comprehensive portfolio of hardware, software and IP based security technologies to meet any current and future security requirements for various demanding markets. The company's expertise enables content monetization and assets protection while offering the best in class access wherever, whenever from any platform. More than 100 companies among the major studios, broadcasters, telecom operators, multimedia compatible device manufacturers already rely on Inside Secure's content protection solutions. More than 120 million satisfied daily users benefit from these technologies today. Inside Secure's hardware-software security combination is a perfect fit to match the most demanding requirements for HD/UHD premium contents distribution. Content Protection Client and Toolkit are premium content protection solutions for network operators who are currently supporting or planning to deploy Over-The-Top services. They enable catch-up TV, 24/7 live channels, video subscription, purchase and rental, Video-on-Demand.

Content Protection Client for iOS and Android

Inside Secure's Content Protection Client is a robust client-side software solution that enables DRM protected content on Apple iOS and Google Android devices. Content Protection Client allows the use of multiple monetization options across different business models including subscription services, advertising revenue, rentals and single purchases.

Content Protection Client

With Inside Secure's Content Protection Toolkit, all software components are protected by TEE and ARM® TrustZone® integration, code obfuscation and other hardware anti-tampering mechanisms. Content Protection Toolkit can be integrated with Secure Content Path provided by chipset vendors. It also integrates with HDCP and DTCP technologies to ensure robust content delivery to multiple screens.

Content Protection Client for iOS and Android

Reduced Time-to-Market
Content Protection Client dramatically reduces DRM implementation costs and time-to market by offering immediate cross platform compatibility. It is based on industry standard content protection and provides a clear and easy-to-use API for mobile application developers. Content Protection Client enables distribution of high-value protected content in a single uniform and secure way across all supported platforms and devices. It is designed to interoperate with any standard DRM server and is complemented by a plug-and-play version of Inside Secure Inside Secure Content Protection Server for customers with no DRM server. Inside Secure unique ability to provide end-to-end content protection enables immediate deployment.

Security and Protection
Content Protection Client complies with Microsoft PlayReady robustness and compliance rules, and with Google and Verimatrix security requirements. All software components are protected by code obfuscation and other anti-tampering mechanisms. Security features include :

- Detection of device jailbreaking and rooting
- HDMI control APIs, Output Protection Level control
- Support for all DRM usage rights
- Support for post-provisioning and individualization
- Clock rollback detection

Multiple successful independent security audits have proved the robustness of Inside's solution.

Key Features

- Robust and Microsoft PlayReady compliant implementation approved by major studios and content owners
- Adaptive streaming (HLS, Smooth Streaming, MPEG-DASH)
- Support for advertisement insertion and personalization
- Pre-activated and post-activated video application distribution
- OS Specific APIs (Android/Java, iOS/ Objective C CAPI)
- Support PIFF, CFF (Ultraviolet), Hybrid Broadcast Broadband TV

Content Protection Toolkit

DRM Security Supported by ARM TrustZone
Content Protection Toolkit supports multiple technologies, among which Microsoft PlayreReady, Google Widevine and Verimatrix ViewRight DRM. It incorporates a modular technology that allows fast and easy integration on any platform with any multimedia framework.
It has been validated with numerous deployed DRM servers and enables playback on multiple screens using HDMI, HDCP up to 2.2 / Miracast or DTCP-IP /DLNA connections. Content Protection Toolkit uses a combination of technologies to deliver the most secure and robust content protection platform in the industry. Besides Secure OS support, Content Protection Toolkit comes with hardened software code to fulfill the highest security requirements for premium contents.

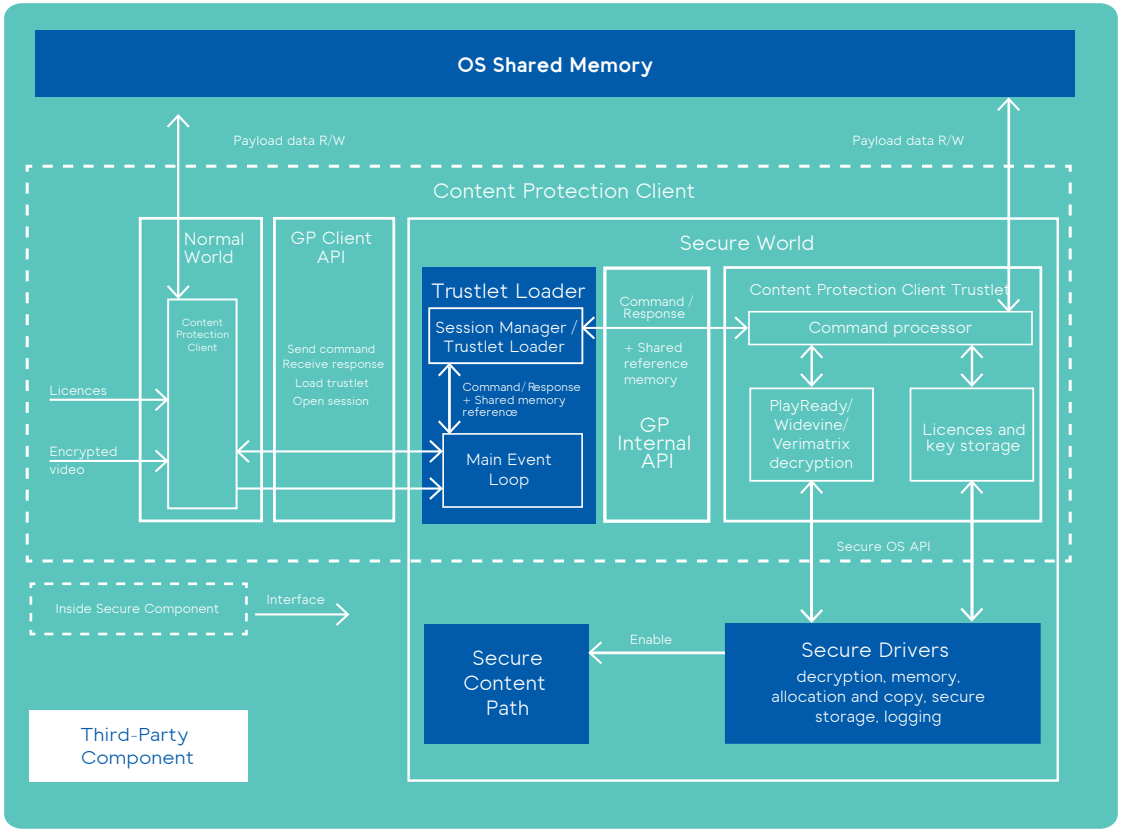
Designed for Any Content Delivery
Content Protection Toolkit can be deployed with most media formats whether online, offline or hybrid. It includes adaptive streaming (HTTP Live Streaming, Smooth Streaming and MPEGDASH) and offline playback capabilities with Complete File, Progressive Download and Cached Streaming. Content Protection Toolkit is extensively tested to guarantee interoperability with any commercially deployed DRM servers, including with Inside Secure Content Protection Server solutions.

Security and Protection
Content Protection Toolkit complies with Microsoft PlayReady robustness and compliance rules, and with Google and Verimatrix security requirements. Software components are protected by TEE, code obfuscation and many other anti-tampering mechanisms. It can also be integrated with Secure Content Path. Inside Secure also includes HDCP and DTCP technologies to ensure protected content delivery to multiple screens.

Secure Modular Architecture

- Leverages TEE based hardware security on ARM TrustZone (Trustonic, Linaro, Qualcomm, Solacia, M-Shield, Sierra...)
- Meets security compliance and robustness rules required by Hollywood Studios
- Allows fast and easy integration on any platform
- Downloadable and upgradable via Over-The-Air mechanisms Off -The-Shelf Solution
- Available on leading application processors
- Field-proven by more than 120 million consumers
- Already certified by leading content and service providers Robust Solution for Premium Services
- Playback on multiple screens using HDMI, HDCP up to 2.2 or DTCP-IP / DLNA connections
- Possible simultaneous services that use the same DRM implementation
- Extensive support of multiple DRM technologies including Microsoft PlayReady and Widevine DRM, Google Widevine and Verimatrix ViewRight (Apple FairPlay to come)

Detailed interfaces and Data Flow for Trusted Agent



For further details on all of Inside's security solutions, visit www.insidesecure.com

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