



Discretix Multi-Scheme DRM Client

Robust Protection for the Mobile Content Business

Discretix Multi-Scheme DRM Client protects the distribution and consumption of content on mobile devices. It is a future-ready solution, providing a complete implementation of all the major schemes in use today and the flexibility to deploy new schemes as they emerge.

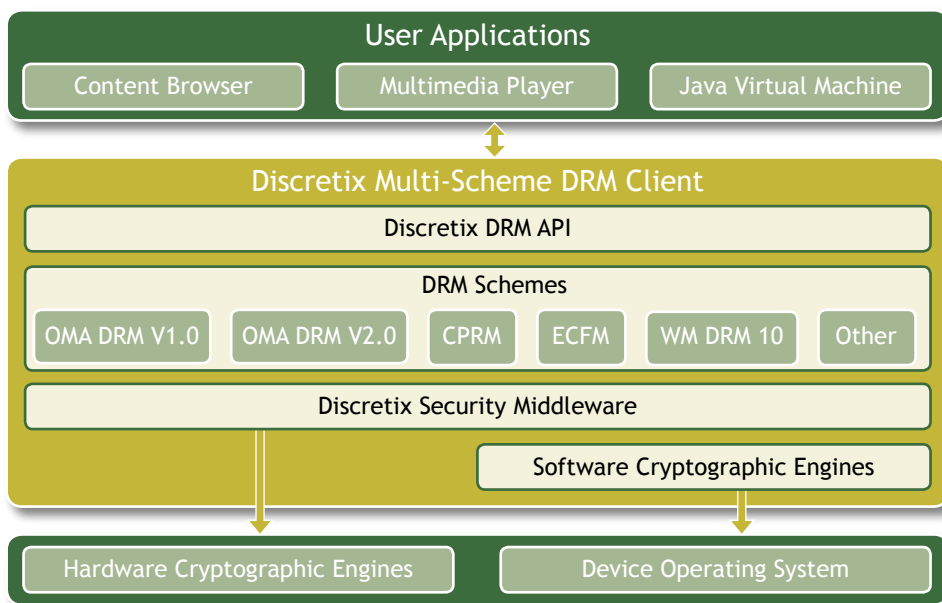
A Single Solution Supporting Multiple Schemes

The mobile premium content market is evolving rapidly, with constant changes in operators' requirements. This dynamic market requires a solution that efficiently addresses today's needs and at the same time is flexible enough to adjust to new requirements.

Discretix Multi-Scheme DRM Client supports numerous DRM schemes, use-cases and scenarios, utilizing a single infrastructure and integration framework. This enables mobile phone manufacturers to support more DRM schemes and additional features on the same device, while complying with current and emerging market requirements - with minimal cost and integration efforts.

The following widely-accepted DRM schemes are supported by Discretix Multi-Scheme DRM Client: OMA DRM (version 1.0, and version 2.0), Microsoft WM-DRM 10 for portable devices, ECFM and i-Mode DRM including CPRM\SD-Bind.

It can be easily expanded to support emerging schemes such as Microsoft® PlayReady™, OMA DRM V2.1, Marlin Joint Development Association initiative and Sun's DReaM.



Key Benefits

- Mature solution - widely deployed and complies with leading operators' requirements
- Reduced time-to-market - already integrated with major platforms, operating systems and application frameworks
- Reduced risks - working with security experts
- Reduced costs - robust and efficient implementation

Main Security Features

- Secure storage of DRM related keys, licenses and content
- Trusted usage of DRM related keys and authenticating content processing software
- Trusted execution of DRM program code
- Secure time implementation

Industry Interoperability

OS and UI Platform Support

- Symbian V9.x
- Windows Mobile 5.0 (Magneto), 6.0 (Crossbow)
- Linux 2.x, 1.x
- ENEA OSE
- Mentor Graphics Nucleus
- Infineon APOXI
- NXP RTK
- Qualcomm BREW
- Trolltech Qtopia
- UIQ 3.x
- Sky Mobilemedia RAPID

Discretix actively contributes to industry forums and standardization bodies to ensure compliance and certification:



Multi-Scheme DRM Client Technical Overview

The Highest Level of Security and Robustness

A content protection solution must address complex security flows and robustness challenges to meet the stringent requirements set by content owners and operators.

Discretix Multi-Scheme DRM Client utilizes the most advanced security technologies in order to meet all such requirements. It provides the highest possible levels of security and robustness against illegal attempts to access protected content, with no degradation in performance or battery playback time.

In addition, Discretix Multi-Scheme DRM Client integrates with hardware-based security technologies such as Texas Instruments' M-Shield™ and Discretix CryptoCell®. The Client utilizes cryptographic accelerators, Secure Execution Environment, secure key management, robust DRM database and security framework at the operating system level.

Discretix Multi-Scheme DRM Client conforms to:

- Content Management License Administrator (CMLA) security and robustness requirements
- Microsoft security and robustness recommendations for WM-DRM implementation
- The Open Mobile Terminal Platform (OMTP) security requirements for DRM
- The 4C Consortium security and robustness requirements for CPRM implementation

Ease of Implementation

OS and Platform Ready

Discretix Multi-Scheme DRM Client is ported to a wide variety of hardware platforms, operating systems and application frameworks. It offers a unified API to the application layer (i.e. Browser, Multimedia Player and File Management applications) regardless of the underlying DRM scheme.

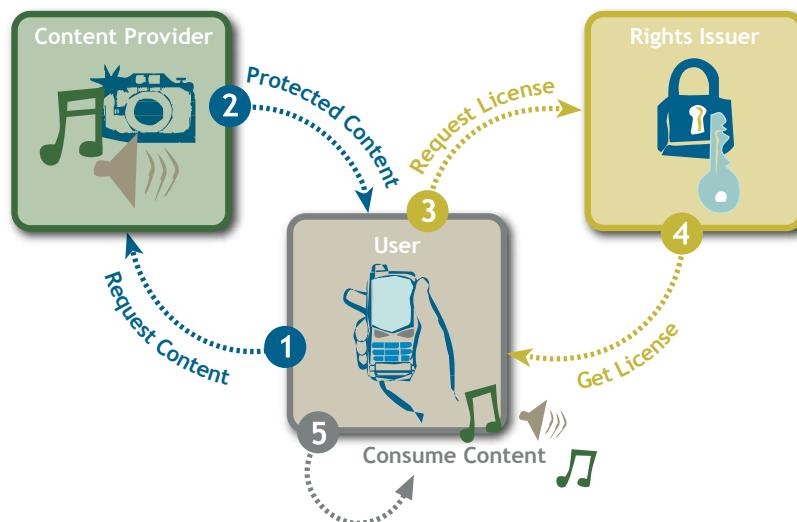
Ease of migration

Discretix Multi-Scheme DRM Client is easily migrated to multiple hardware platforms using a thin software glue layer (Discretix Virtual Operating System). In addition, Discretix Security Middleware can deliver the security and cryptography services needed by different DRM implementations using the same API, regardless of the platform's hardware capabilities.

Supported Hardware Platforms

Discretix Multi-Scheme DRM Client has been ported and deployed on multiple hardware platforms. Examples of such leading platforms include TI OMAP™, TI OMAP-VOX™, Infineon MPEH/MPEU, Renesas SH-Mobile, NXP Nexperia and others.

Cycle of rights acquisition and consumption of protected content



Discretix Industry Leadership

Discretix is dedicated to delivering innovative solutions to the complex and ever-changing mobile security market. This specialized expertise allows Discretix to provide chipset and device vendors with a complete security platform that is ready to deploy, easily integrated and future-proof. Licensed by industry leaders worldwide, Discretix' solutions are field proven.

For the past three years, Discretix was ranked by Gartner among the largest vendors of encryption semiconductor IP.