

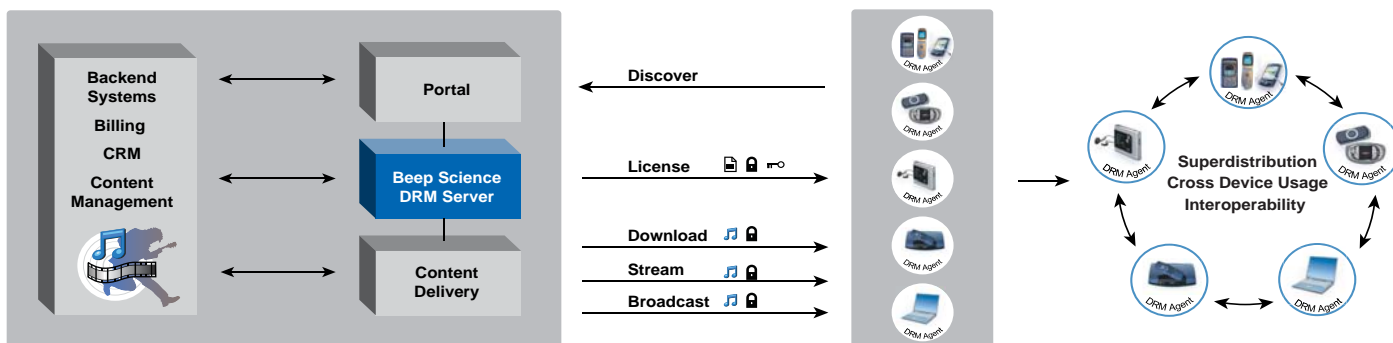
Beep Science DRM Server



**Digital Rights Management Server software
interoperable with OMA DRM 1.0 and 2.0**

Solution Overview

Beep Science DRM Server is a robust software solution interoperable with OMA DRM 1.0 and 2.0 industry standards. The solution supports all content and service formats, as well as all content discovery and delivery channels, integrating easily with existing service delivery infrastructure, download server(s), portal(s), billing and content management systems. The DRM Server supports all OMA DRM 1.0 and 2.0 content protection mechanisms. It is extensively tested for interoperability and works with all OMA DRM capable handsets in the market.



The DRM Server components

Content Packaging Server (CPS) is a carrier grade real-time system for automating content protection, supporting also instantaneous content publishing and delivery with dynamic on-the-fly content encryption. CPS supports standard content delivery protocols.

License Issuer Server (LIS) is a back-end system responsible for generating, packaging and delivering rights and content encryption keys needed for the consumption of DRM protected content. The LIS Key Manager automates all encryption key generation and management, enabling easy maintenance.

The Beep Science DRM Server is designed to automate all DRM functionality. No manual content packaging or rights generation is required.

Integration

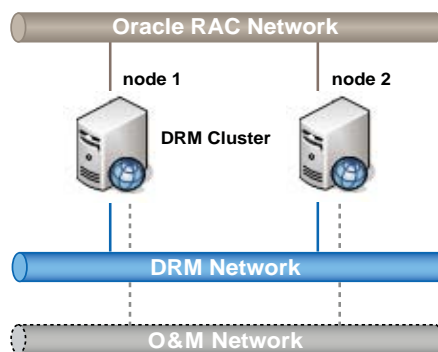
The DRM Server is designed to be integrated with Content and Service Delivery Platforms. The server exposes open API's for seamless integration. In addition the solution includes an open Web Services Interface layer, enabling easy integration in Service Oriented Architecture (SOA) environments.

The DRM Server has already been integrated with several large scale Service Delivery Platforms for tier-1 mobile operators and service providers.

Highlighted features

- Secure downloading and delivery of content
- Superdistribution of content, enabling viral marketing
- Secure delivery and renewal of rights
- Domain models enabling controlled content sharing
- Subscriptions and other new business models
- Transaction tracking, enabling rewards for superdistribution
- Controlled export to other DRM systems
- Support for multiple trust models / PKI, including CMLA

Example deployment



The DRM Server can be deployed in a simple standalone server, or in a fully redundant server cluster.

Extensions

Mobile TV

The DRM Server supports service and content protection for Mobile Broadcast, including DVB-H (18-Crypt) and OMA BCAST (DRM profile).

Additional DRM schemes

The DRM Server can be delivered integrated with additional DRM schemes, such as Microsoft WMDRM 10.

End-to-end custom solutions

The DRM Server supports custom end-to-end deployments with Beep Science DRM Agent and PC Plug-ins. The server can be deployed with a closed PKI, supporting all PKI management including OCSP responder.

Test tools

Beep Science provides interoperability testing solutions for major handset manufacturers. The DRM Server is extended with IOP Test Portal, enabling easy testing of devices.

Technical overview

The DRM Server runs on standard hardware and is a fully scalable carrier grade solution.

OS: Red Hat Linux or Sun Solaris 10
 J2EE Application Server:
 Red Hat JBoss or BEA WebLogic 8.1
 Database: Oracle 9i

Other configurations supported upon request.