

Usage Scenarios



Sourcing Usage Scenarios

- Lots of great work by others already done
 - > Standards Setting Groups:
 - > MPEG-21, DVB, OASIS, DMP, OMA, GSMA
 - > EC's High Level Group (HLG)
 - > EURESCOM P1207 (OPERA)
 - > Various vendor supplied use concepts

Common Example Scenarios

- Ringtones (sale, forward locking)
- Commercial Music (subscription with timeout, n-copy burn to CD)
- Garage Bands (free to distribute, free to share, no encryption)
- Documents (view on screen, no print, no modify, no save)
- Education (free to use with attribution)
- Public domain (free to use as long as derivative works also freely available)

DReaM Scenarios

- Ubiquitous & User Friendly
 - > Network identity based rights model
 - > DReaM client on all your devices
 - > Can be multiple independent implementations
 - > Rights assert-able on any *trusted* device
 - > Device specific rights automatically revoke without re-assertion
 - > New devices easily added, old/lost/stolen devices automatically revoke over time

DReaM Scenarios (cont)

- Healthcare – Emergency Room
 - > Patient records securely stored and managed
 - > Physicians have individual network identity as well as changing “role-based” identity
 - > Treating physician can “acquire” access rights to meet medical emergency needs
 - > DRM system would track physician access and roles relative to patient records for audit
 - > Hospital staff unable to acquire rights without sufficient identity and authentication

DReaM Scenarios (cont)

- Intelligence
 - > Intelligence data (reports, photos, audio, video, etc) securely protected and managed
 - > Intelligence officers have network individual identity as well as changing “role-based” identity
 - > Officers can “acquire” access rights to meet changing security needs which can be remotely managed
 - > DRM system would track access and roles relative to data records for audit and alert
 - > Staff not entitled to acquire rights without sufficient identity and authentication

DReaM Scenarios (cont)

- Enterprises

- > Corporate data (sales forecasts, financial data, customer records, new product info, etc) securely protected and managed
- > Employees have individual network identity as well as changing “role-based” identity
- > Employee can “acquire” access rights to meet changing job needs via remotely management
- > Staff unable to acquire rights without sufficient identity and authentication
- > Rights easily withdrawn remotely with automatic revocation or network connectivity

DReaM Scenarios (cont)

- Fair Use Mechanism
 - > First, content (copyright) owner must agree to this licensing model
 - > Licensor allows/creates a secure licensing service for approved use licensing that can be tracked
 - > Users register themselves and trusted devices(s) with the secure licensing service and agree to identify themselves to the service. They could be tracked by a court order if user is suspected of violating agreement
 - > User request license
 - > Service issues license to user on device with fair use license and terms (quotation, parody, criticism, comment, research, teaching, etc)

Role of Smart Cards

Integrate smart cards as a security token

Support wireless and wire line use cases

Smart cards can provide support for a range of security related technical problem

Secure authentication

Privacy Protection

Secure Container for user credential

Sign transactions, Signature verification

Electronic Payment

License management, and storage

Session key generation

Secure storage of Content

Next steps

- Discussion of usage scenarios to move to OMC Community Forums
 - > <http://OpenMediaCommons.org/forums/>
- Follow-up meeting to create targeted, prioritized use cases
- Identification of any specific requirements implied by use cases and add to requirements/conformance documentation



<http://OpenMediaCommons.org/projects>