

# DReaM Requirements



Santa Clara, California  
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# Requirements

- Seamless process
- Authentication service
- Revocation of rights
- Updating code
- Enforcement
- “Future proof” - Data integrity over lifetime of protected data
  
- Requirements for different application domains differ

# Seamless process

- No extra steps/burden on users
- Support multiple connection models
- Support multiple content delivery/access models

# Authentication services

- Support for range of authentication services
  - > username/password (two factor)
  - > SIM or other Smart Card
  - > Biometric
- Federated identity

# Revocation of rights

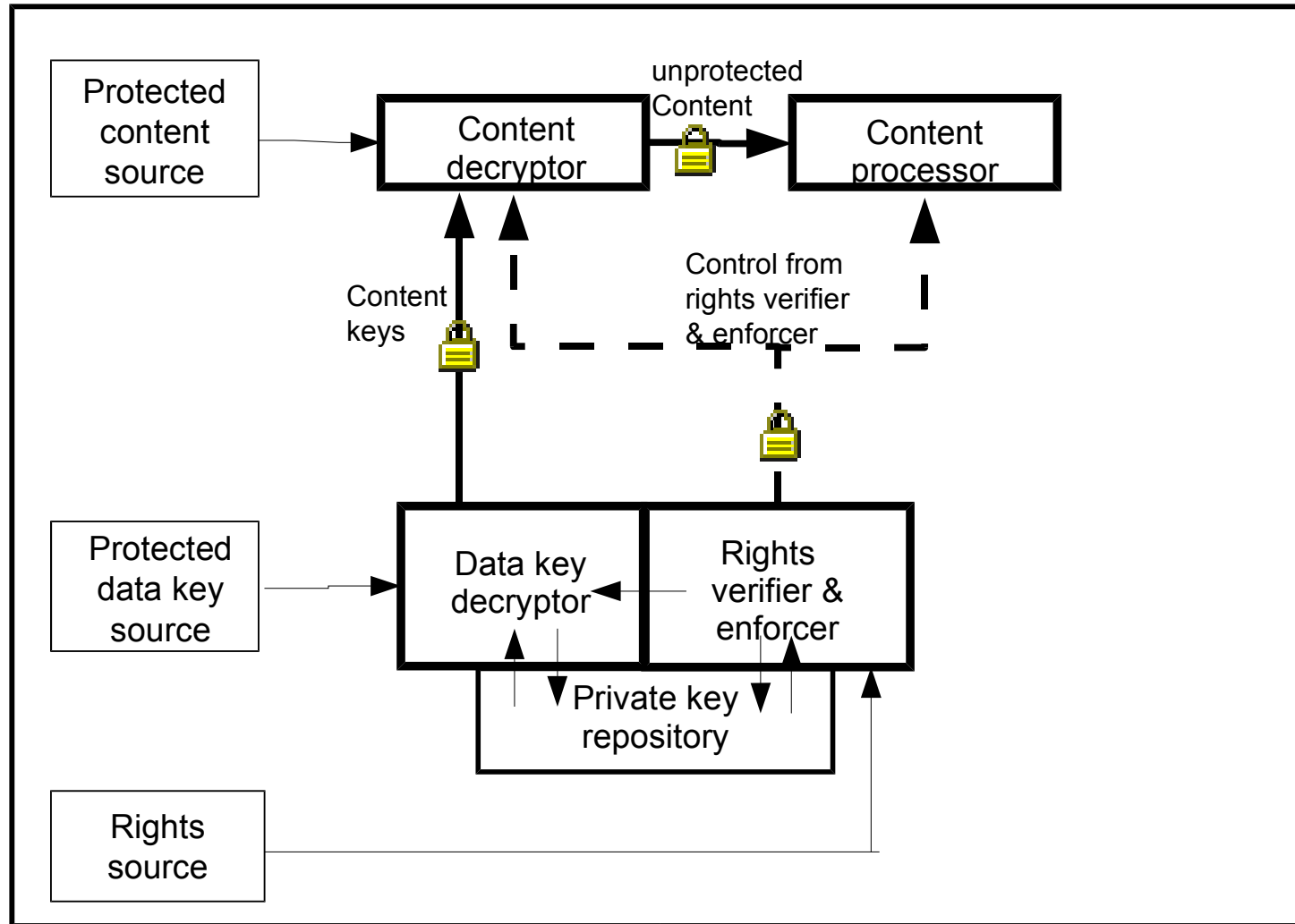
- Revoke rights in the event of system being compromised

# Updating code

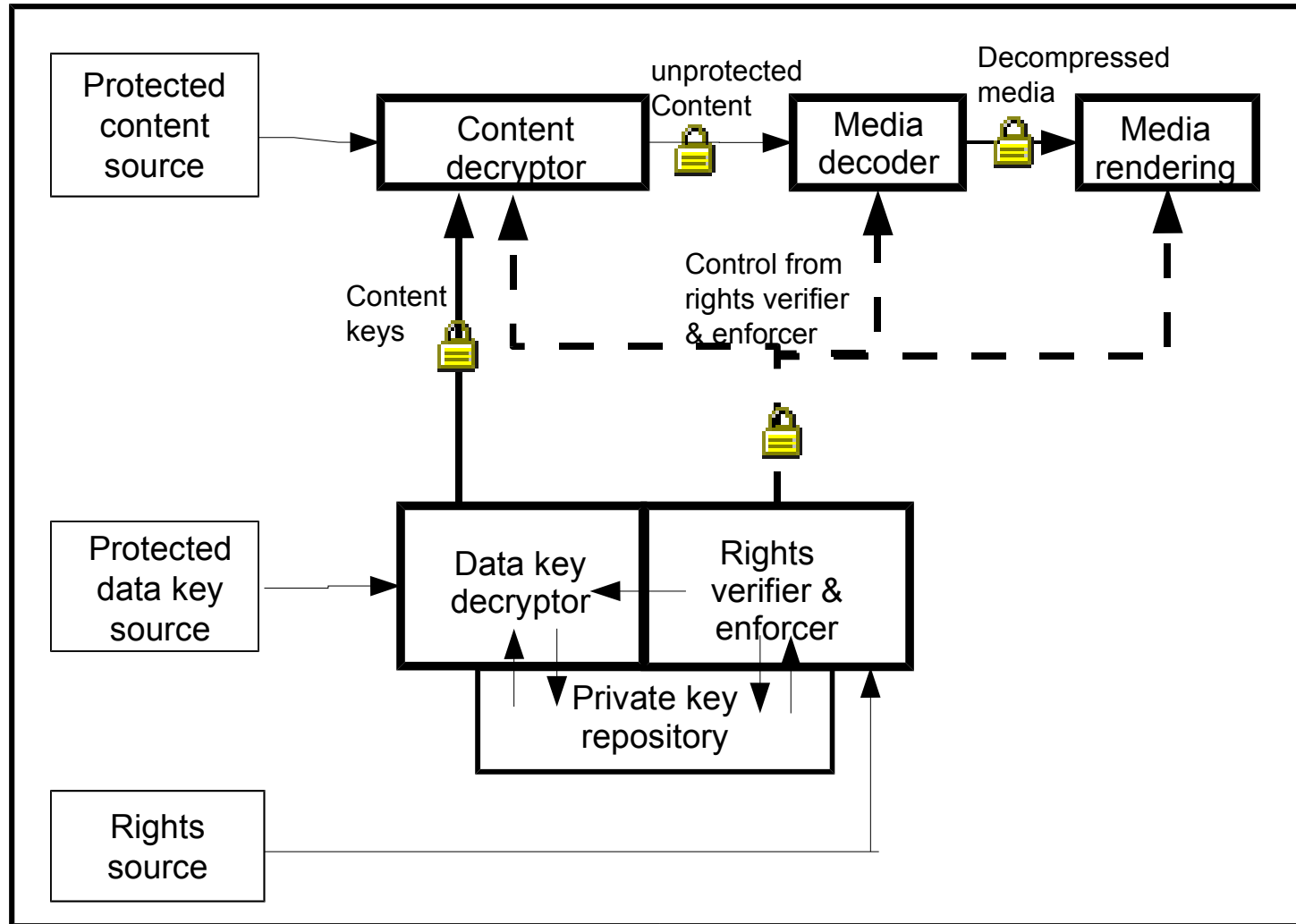
# Enforcement

- Trust models
- Content integrity
- Attacks
  - > On client
  - > Network
  - > Service
- Requirement for robust clients
  - > ID, storage, execution, data paths
  - > Detect and quarantine
    - Unauthorized application
    - Display/audio/memory “scraping”
    - Unauthorized debugging & probing

# Requirement for Robust Client



# Requirement for Robust Media Client



# “Future proofing”

- Access to content
  - > Must content be held in a repository in protected form - or can it be held in the clear and only protected at time of delivery
- Integrity over lifetime of protected content
  - > Who holds access keys
  - > How can content be protected over N years

# Comments/Input

- ?

Q/A

# DReaM Requirements





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