

ICOP

A total system for detection of illegal-copied contents, search and contents searching and content recognition based on feature-points

ICOP

[ETRI]

Content recognition based
on feature-point



[CPC]

Content searching
Monitoring know-how



ICOP

Management

Automatic Searching

Content Recognition

DNA/Meta
DB

Storage

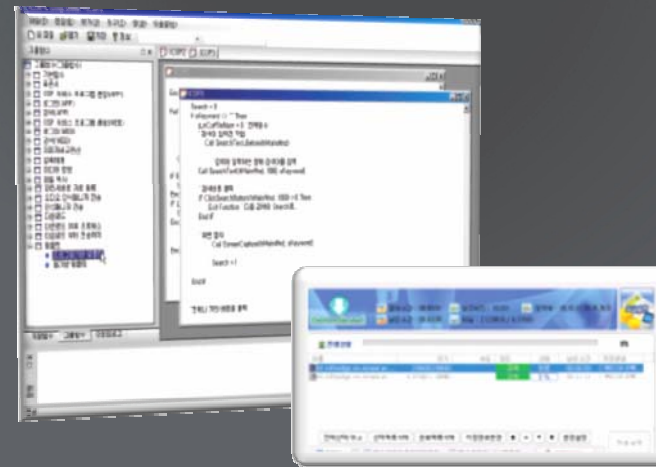
System Interface

Reporting

Deletion Mailing

Automatic Content Searching

- Automatic searching for web-hard and P2P
- Support script editor based on GUI
- Automatic searching for UCC, blogs, and cafe
- Collect posting information and proofs
- Automatic decompression
- Decoding various audio and video formats



Content Recognition



- Extract feature-points(DNA) from Audio
- Extract feature-points(DNA) from Video
- Client module for DNA extraction
- Recognition module
- Content recognition using whole or part of content

DNA / Meta DB

- DNA and Meta DB of audio and video
- DNA and Meta DB for the latest contents
- Support distribution DB ordered by category

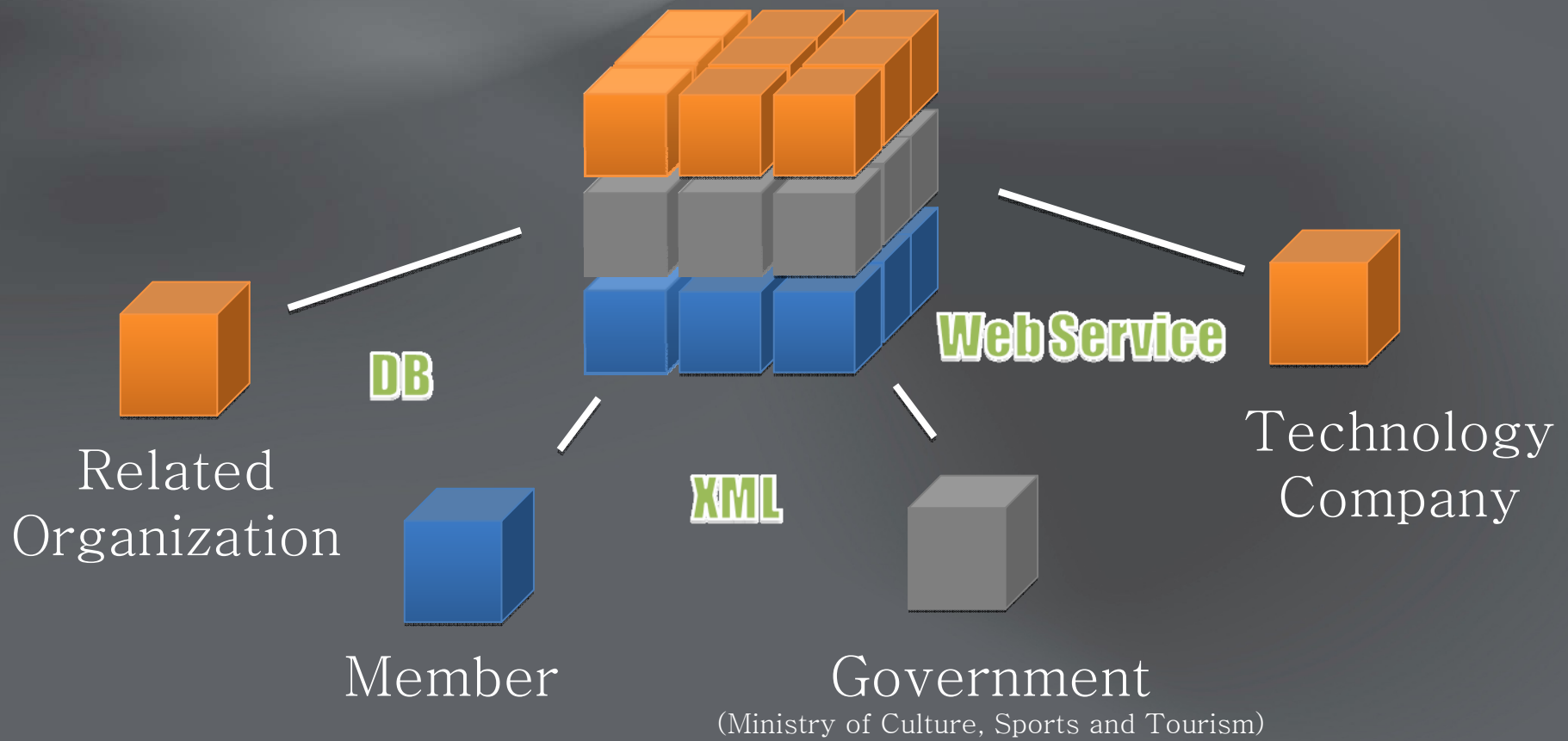


Deletion Mailing

- Request of the discontinuation of reproduction and transmission to OSP
- Send e-mail or text message
- Management of request and deletion results
- OSP list management for monitoring



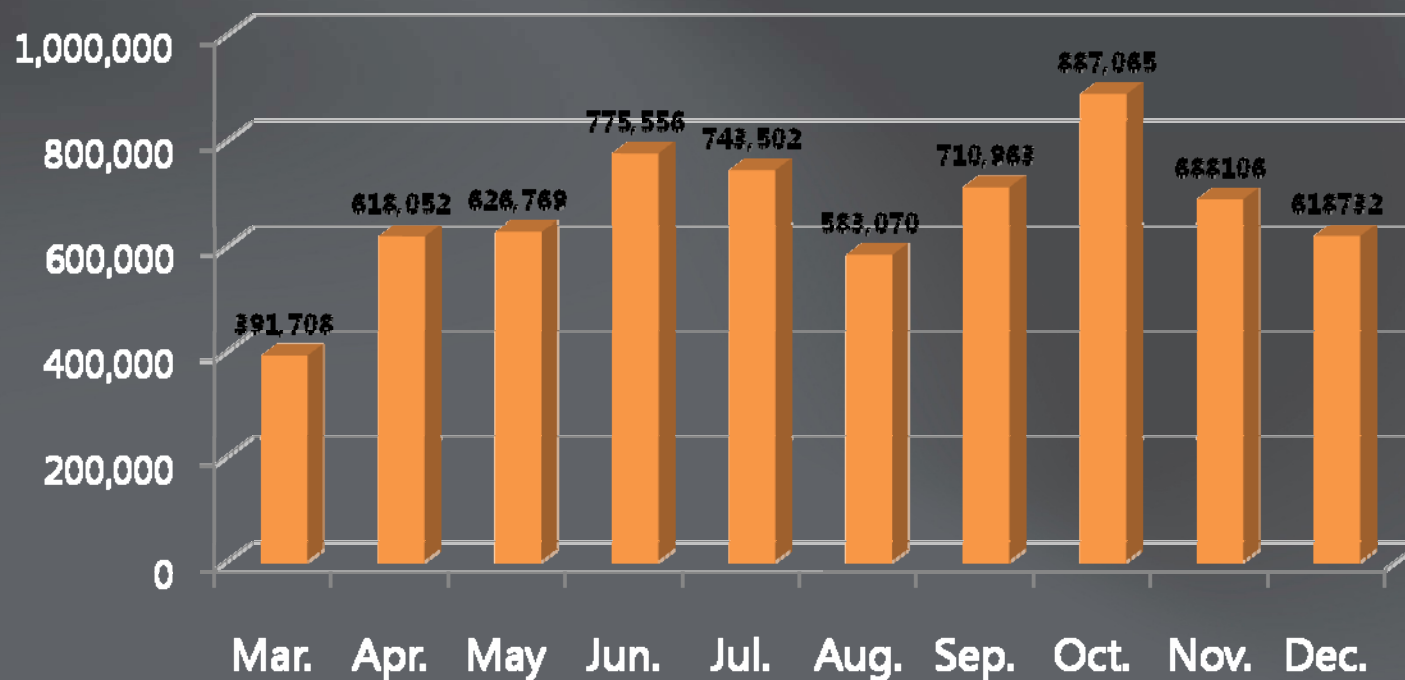
System Interface



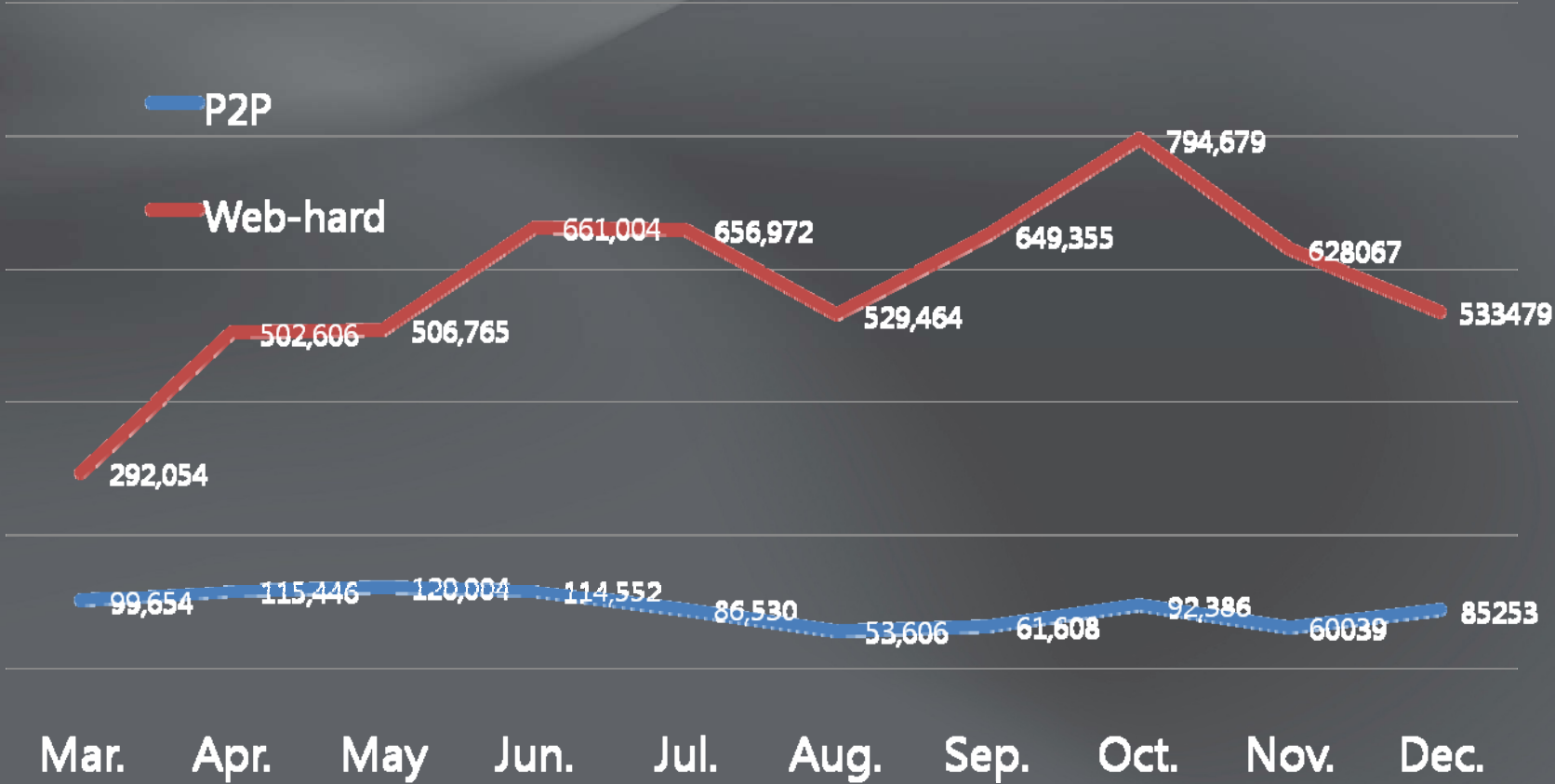
OPERATIONS

Monitoring Result (2009) Total: 6,643,523

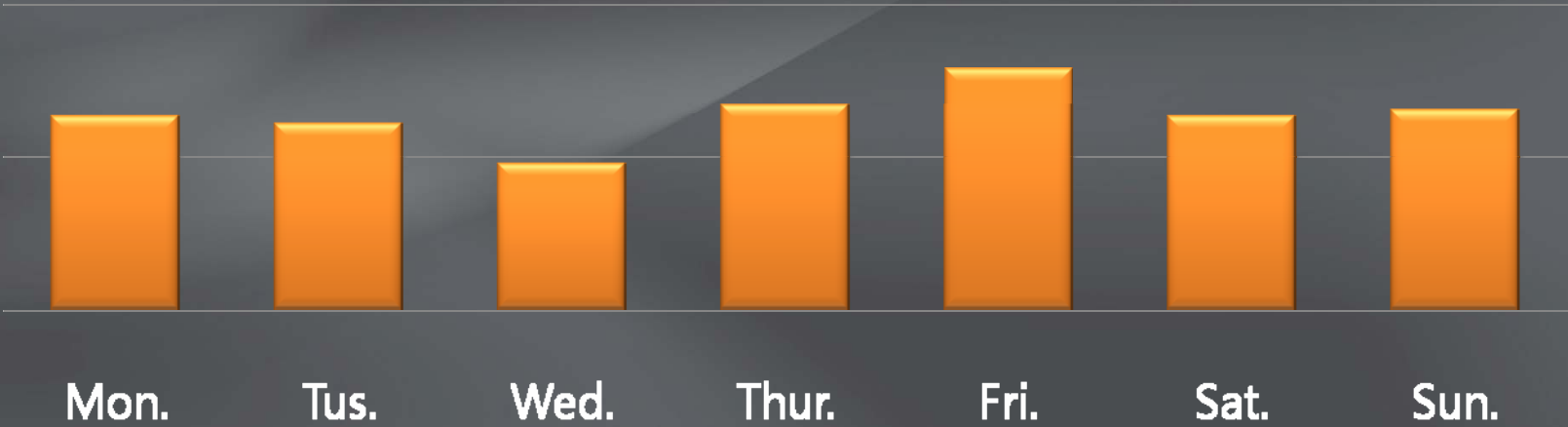
ICOP-I (Audio)



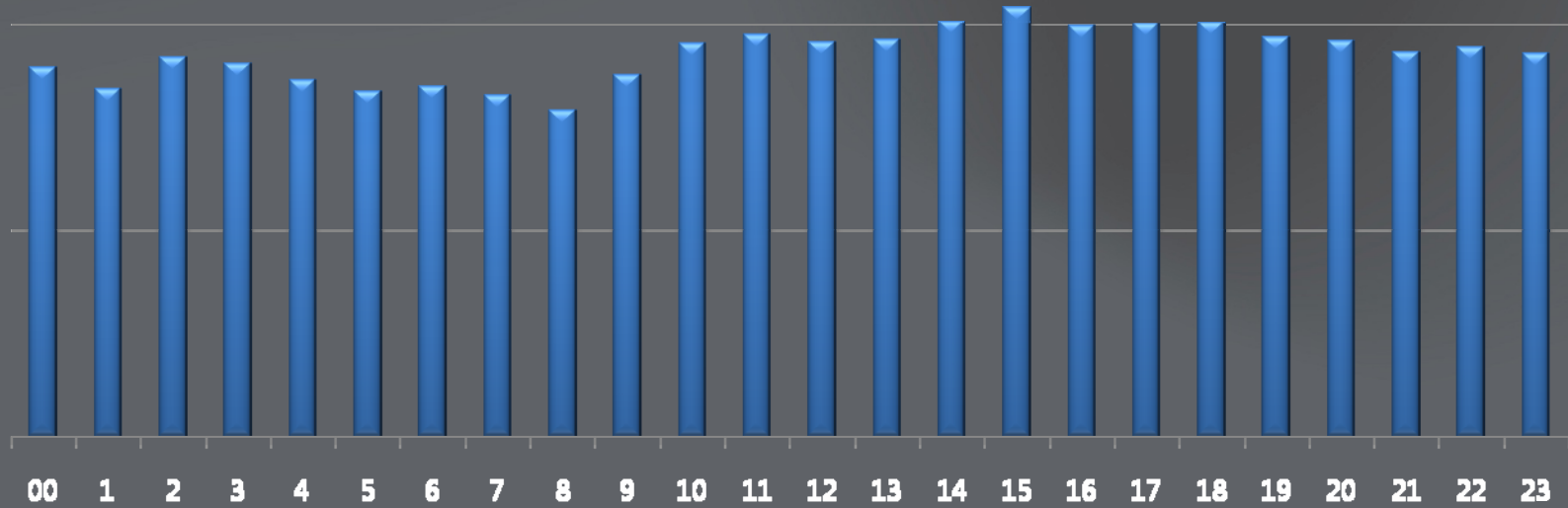
Monitoring Result (OSP Category)



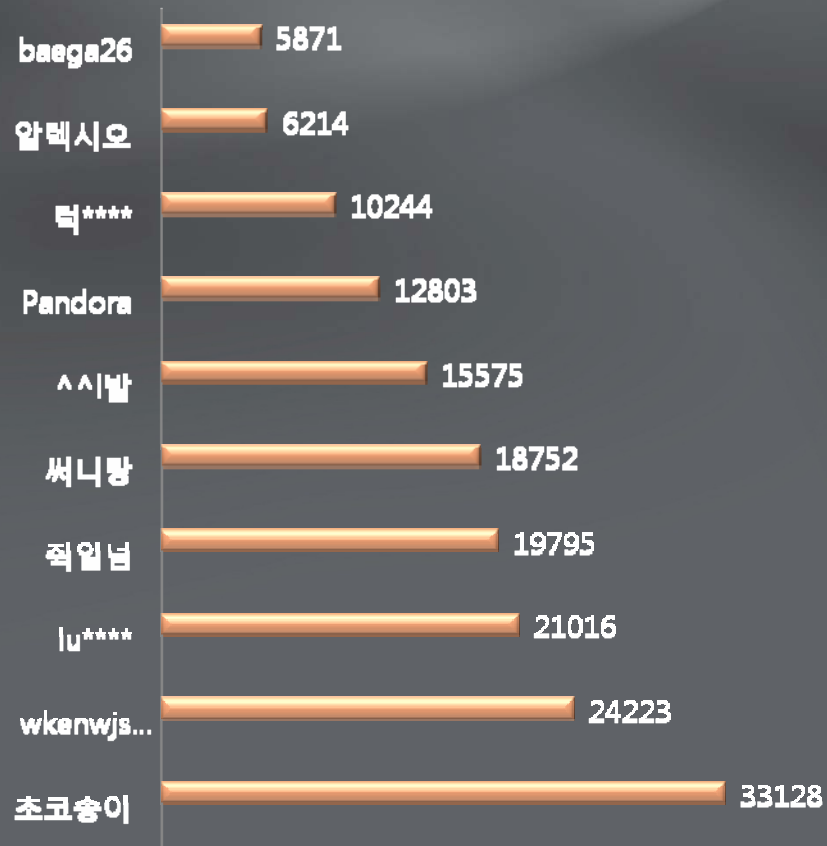
Monitoring Result (week)



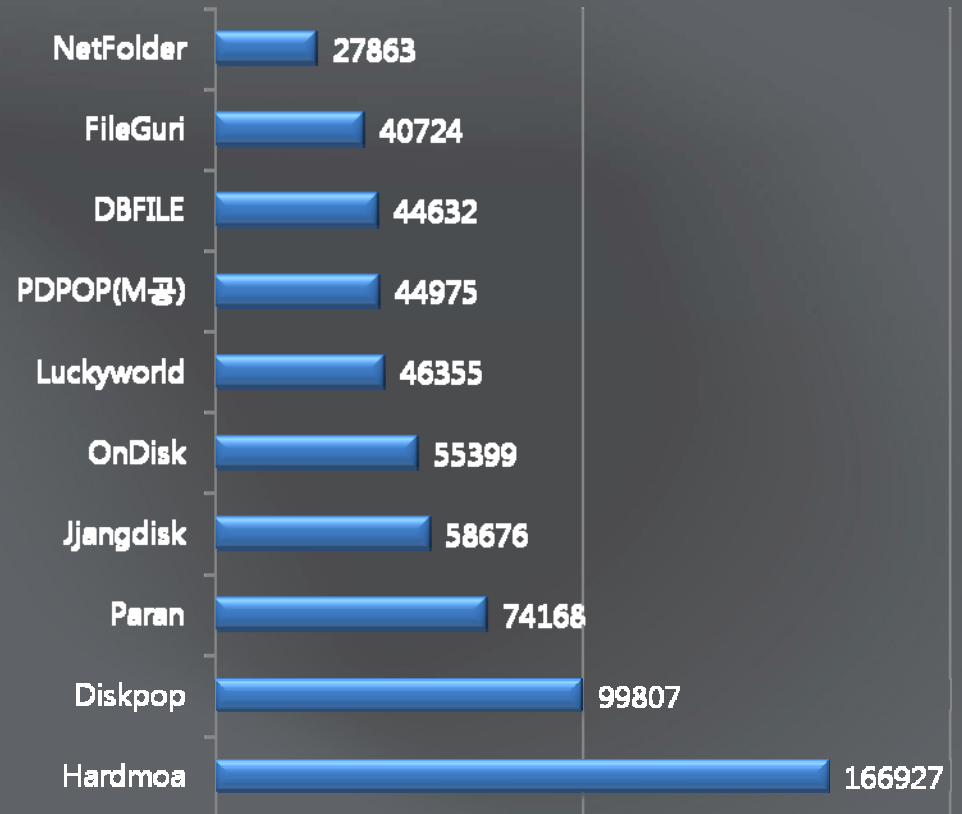
Monitoring Result (hours)



TOP 10 Heavy up-loader



TOP 10 Heavy-OSP



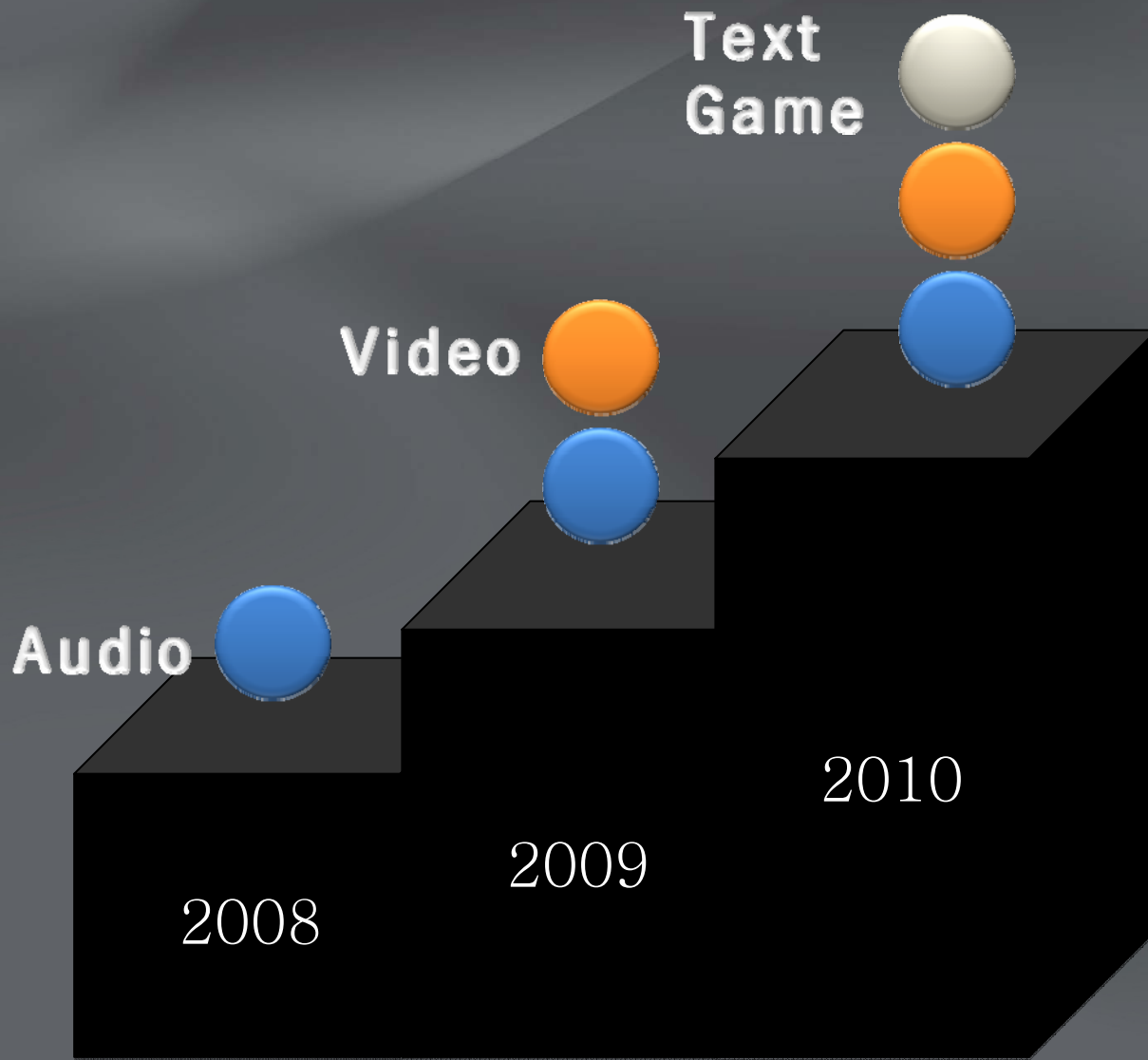
TOP 10 Singer



TOP 10 Korean Song



CHALLENGES



COPYRIGHT PROTECTION TECHNIQUE

Distribution Data Processing

DISTRIBUTION COMPUTING

Server Virtualization

Copyright Protection Center

Trust Organization



ICOP

- System maintenance
- Content monitoring
- OSP management
- Request for discontinuation
- Statistics data



- Content list
- DNA and Meta DB
- Contract information



THANK YOU