DIGIMATGE, A RICH INTERNET APPLICATION FOR VIDEO RETRIEVAL FROM A MULTIMEDIA ASSET MANAGEMENT SYSTEM

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Goal

Enhance video retrieval from a TV broadcaster archive with text+image queries.

System Architecture

Existing system has been adapted to access new modules (5 & 6) as web services:

1. Main server and communications hub
2. Old textual metadata database (too slow)
3. Keyframes generation and storage
4. Solr, search and indexing of textual metadata
5. Tag Suggester by Yahoo!
6. Keyframes Sorter based on Similarity by UPC

REST design using:
- HTTP protocol for XML and JSON messages
- AMF protocol for Java and Flex objects

User interface

Implemented in Adobe Flex. Accessible via web browser or as stand-alone application.