

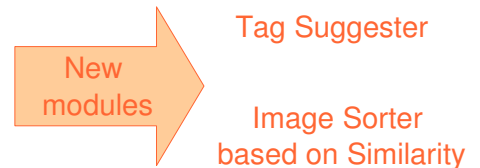
# DIGIMATGE, A RICH INTERNET APPLICATION FOR VIDEO RETRIEVAL FROM A MULTIMEDIA ASSET MANAGEMENT SYSTEM

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## Goal

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



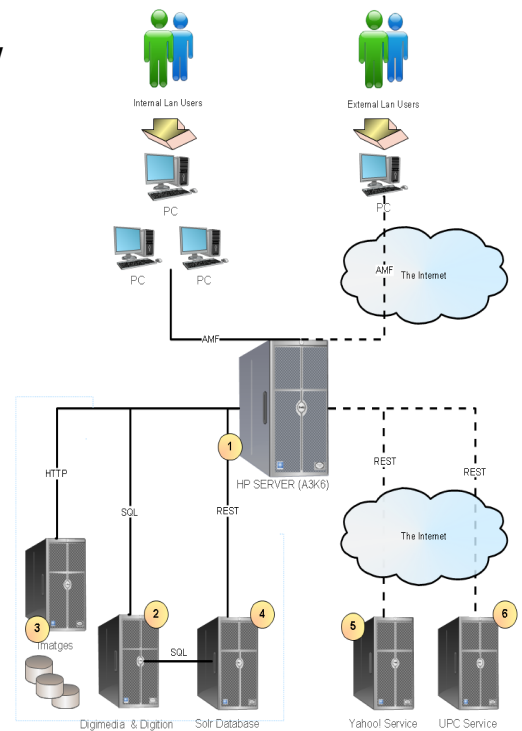
## System Architecture

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.

Query formulation

New queries suggester

Summary of retrieved video assets

Keyframes from retrieved video assets

A double-click on an asset shows its metadata and associated keyframes

A double-click on a keyframe sorts all by similarity