To Stream the Impossible Stream

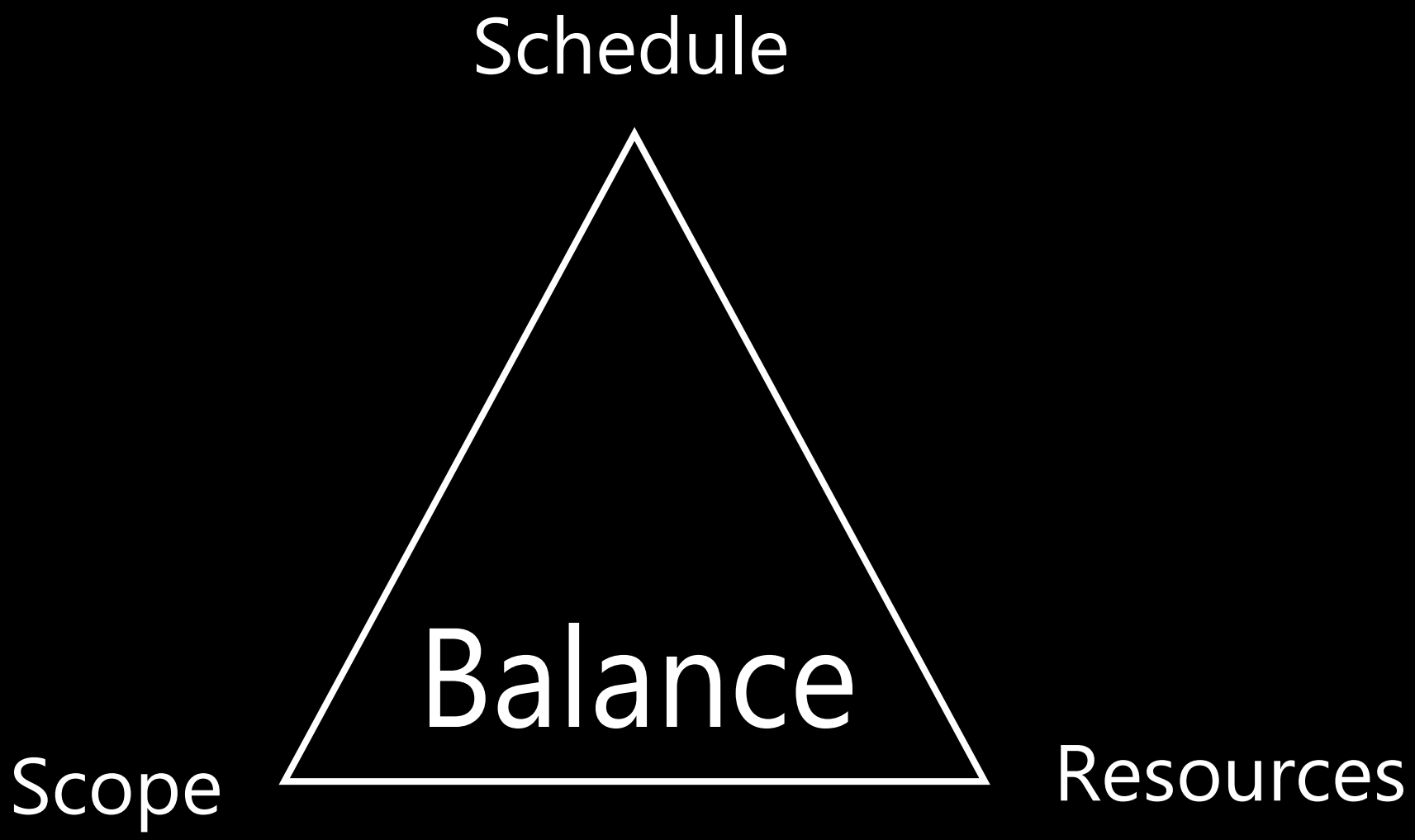
liberating the texas tech university libraries' sound recording collection

In the Beginning …

Why bother?

EL CHEAPO
Tobacco Road
DISCOUNT CIGARETTES
Pendleton Food Mart
$.99
Play Here

CLASSIC YO-YO
THE BEST OF
KEN BURNS JAZZ
Coyotebanjo
irish traditional music
from America
Chris Smith


Schedule
Balance
Scope
Resources

Considerations

Copyright

Access

Metadata

Copyright

Academic Use = Fair Use

Authentication

Custom Player

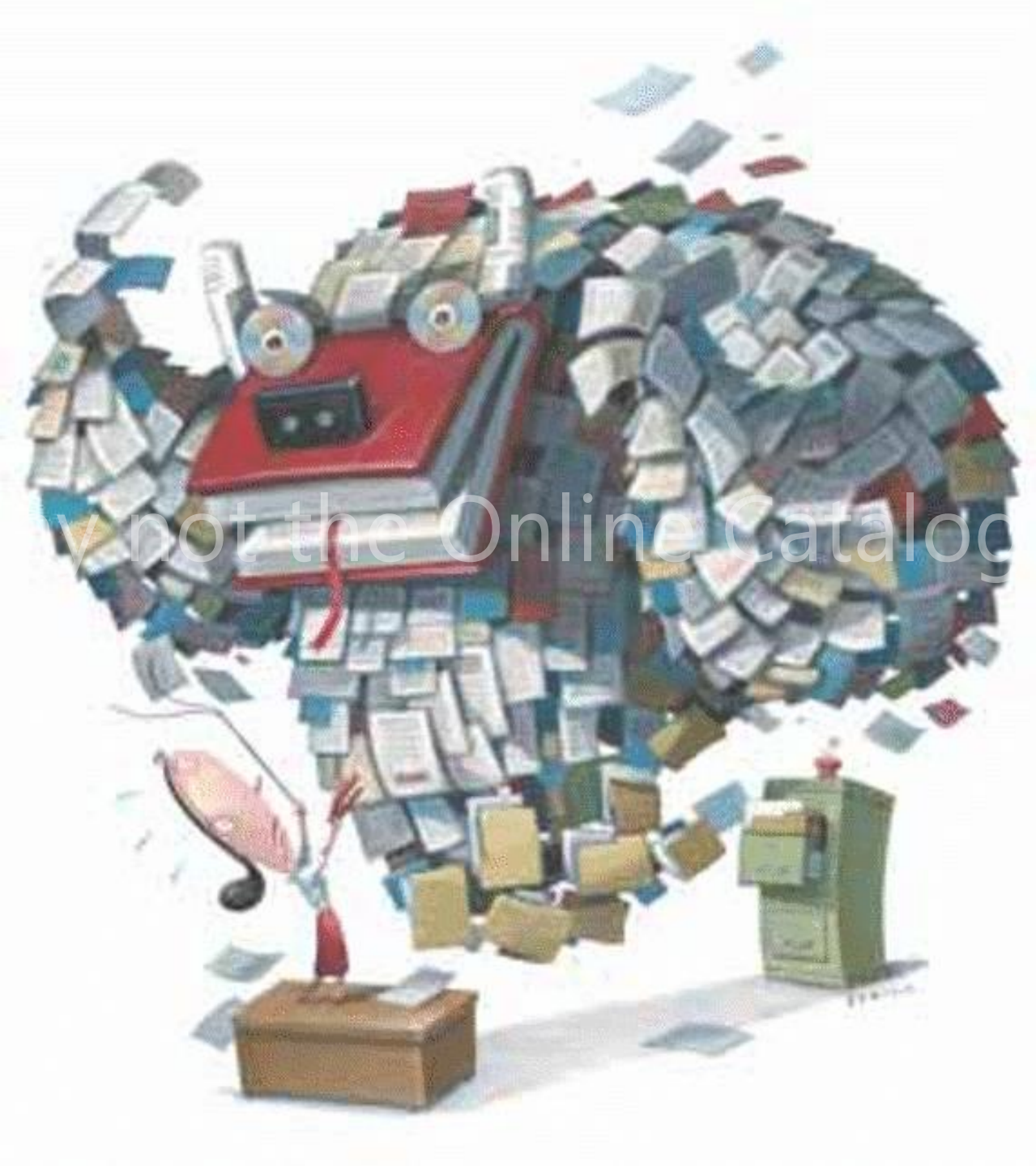
Functionality

\+ Protection

= System

Public Access

Why not the Online Catalog?


Why not the Online Catalog?

TTU Online Catalog - Full View of Record - Mozilla Firefox
File Edit View History Bookmarks Tools Help
http://lib2.tosm.ttu.edu:8997/F/ATHCVK1CIPU7F178FLL19NC5F55UG5EIT72EKAB13VM84AYI5R-17158?func=direct&doc_number=002160260
Google
Texas Tech Projects Blogs/Metadata News Organizations Tools Metadata articles Persistent Identifiers systems Standards Metadata Guidelines Rights for Digital Coll... Insitutional Resposit...
Disable Cookies CSS Forms Images Information Miscellaneous Outline Resize Tools View Source Options

Full View of Record

Choose format: Standard Card catalog Citation Name tags MARC tags

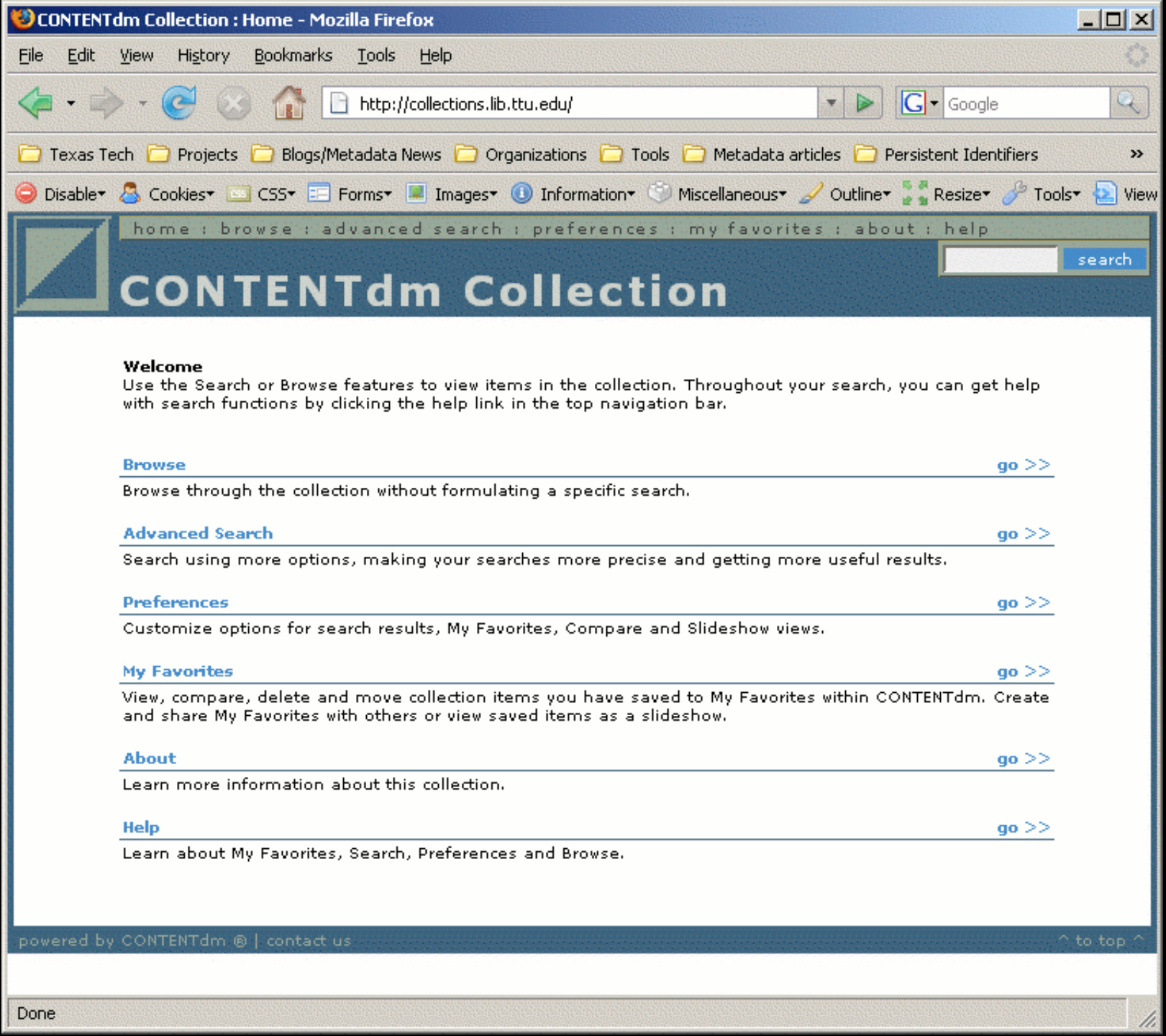
Author	Mozart, Wolfgang Amadeus, 1756-1791.
Title	Complete sonatas for keyboard and violin. Volume 2 [sound recording] / W.A. Mozart.
Title	Sonatas. Selections
Publisher	[Herwijnen, The Netherlands] : Channel Classics, p2005.
Description	1 sound disc (73 min.) : digital, stereo. ; 4 3/4 in.
Format	<Sound recording>
	<Sound disc>
Language	eng fre ger
General note	The 2nd work originally composed for piano or piano and violin.
	Compact disc; "super audio CD; DSD, stereo., multi-ch., surround/5.0"-Container.
	Program notes by Clemens Romijn in English, French and German (16 p. : ill.) inserted in container.
Contents	Sonata in C major KV 303 (293c). Adagio - Molto allegro (5:13) ; Tempo di menuetto (5:48) -- Sonata in D major KV 7. Allegro molto (4:41) ; Adagio (6:25) ; Menuet I & II (2:45) -- Sonata in G major KV 301 (293a). Allegro con spirito (8:11) ; Allegro (5:30) -- Sonata in F major KV 30. Adagio (7:17) ; Rondeau (2:55) -- Sonata in E flat major KV 481. Molto allegro (6:58) ; Adagio (8:45) ; Allegro (7:50).
Credits	Jonathan Freeman-Attwood, producer.
Performers	Gary Cooper, fortepiano ; Rachel Podger, baroque violin.
Date/Time/Place	Recorded in Oct., 2004, at the Church of Our Lady, St. Mary, South Creake, England.
System details	Hybrid Stereo/Super Audio CD (SACD): stereo layer playable on standard CD player; SACD-encoded layer requires SACD equipment.
Subject	Sonatas (Violin and piano)
Added author	Cooper, Gary, organist.
	Podger, Rachel.
	Mozart, Wolfgang Amadeus, 1756-1791. Sonatas, violin, piano K. 303, C major.
	Mozart, Wolfgang Amadeus, 1756-1791. Sonatas, piano K. 7, D major.
	Mozart, Wolfgang Amadeus, 1756-1791. Sonatas, violin, piano K. 301, G major.
	Mozart, Wolfgang Amadeus, 1756-1791. Sonatas, violin, piano K. 30, F major.
	Mozart, Wolfgang Amadeus, 1756-1791. Sonatas, violin, piano K. 481, E ♭ major.
Year	2005
Holdings	All items
Location/call no.	UNIV LIB--Digital Media Studio Waiting for Processing
Location/call no.	UNIV LIB--Digital Media Studio CD 00010 Non-Circulating

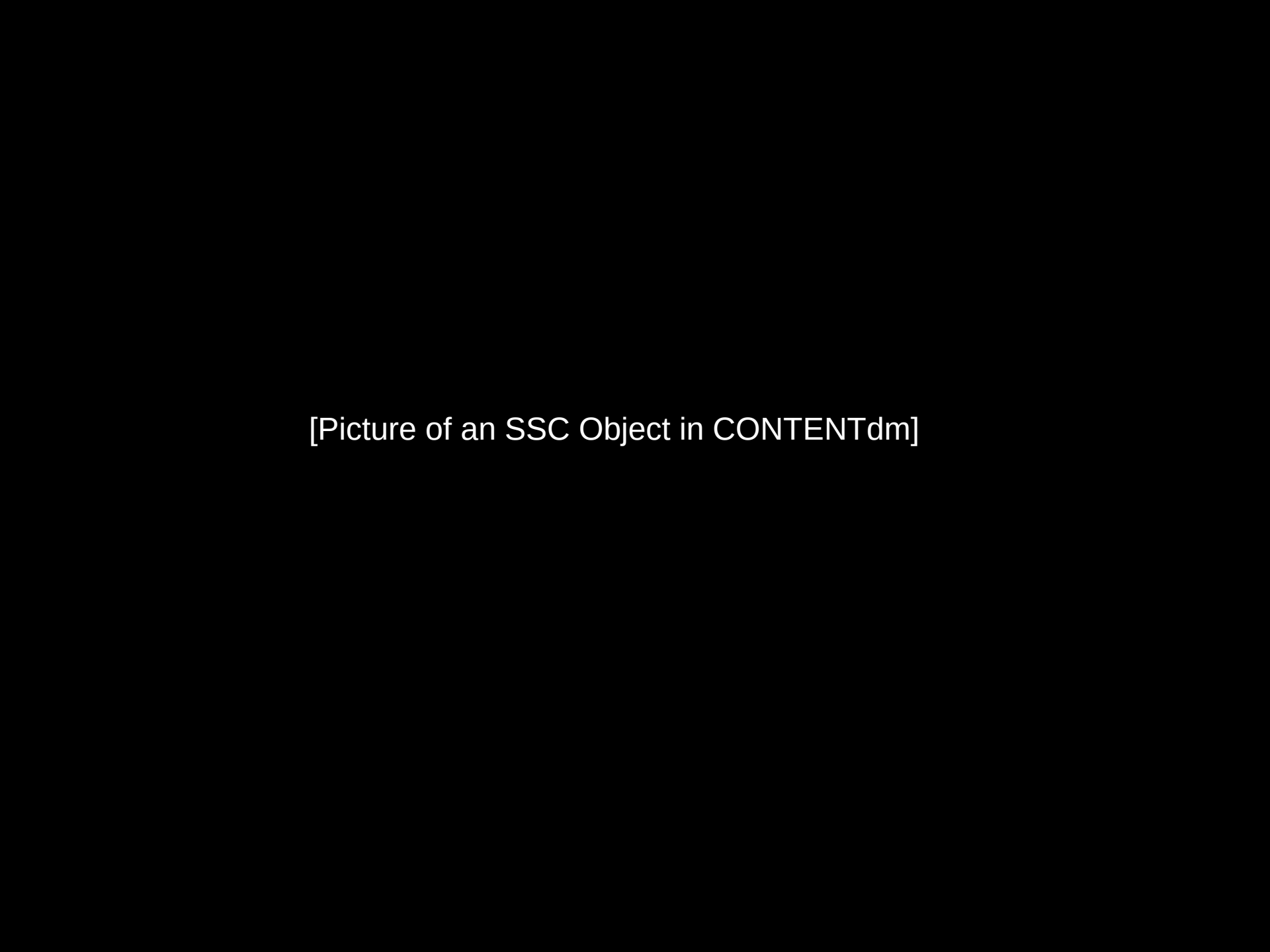
Done

Why not Roll Our Own?

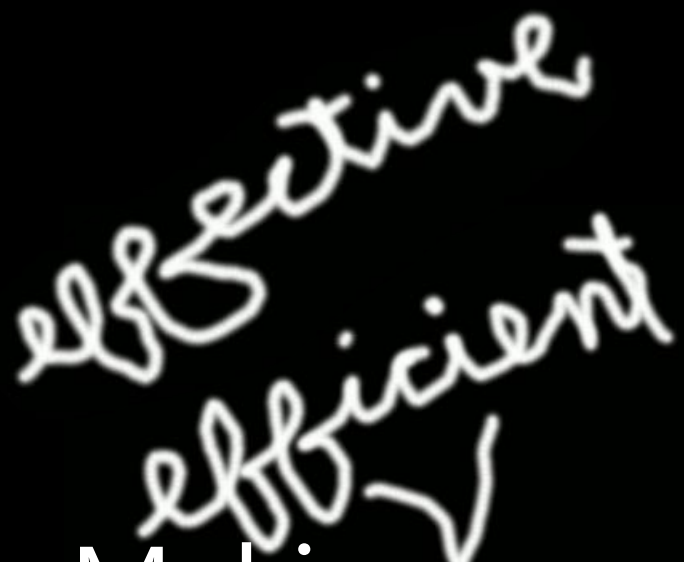
Why not Roll Our Own?

Making use of what we've got


CONTENTdm Collection : Home - Mozilla Firefox
File Edit View History Bookmarks Tools Help
http://collections.lib.ttu.edu/
Google
Texas Tech Projects Blogs/Metadata News Organizations Tools Metadata articles Persistent Identifiers
Disable Cookies CSS Forms Images Information Miscellaneous Outline Resize Tools View
home : browse : advanced search : preferences : my favorites : about : help
search
CONTENTdm Collection
Welcome
Use the Search or Browse features to view items in the collection. Throughout your search, you can get help with search functions by clicking the help link in the top navigation bar.
Browse go >>
Browse through the collection without formulating a specific search.
Advanced Search go >>
Search using more options, making your searches more precise and getting more useful results.
Preferences go >>
Customize options for search results, My Favorites, Compare and Slideshow views.
My Favorites go >>
View, compare, delete and move collection items you have saved to My Favorites within CONTENTdm. Create and share My Favorites with others or view saved items as a slideshow.
About go >>
Learn more information about this collection.
Help go >>
Learn about My Favorites, Search, Preferences and Browse.
powered by CONTENTdm ® | contact us
^ to top ^
Done

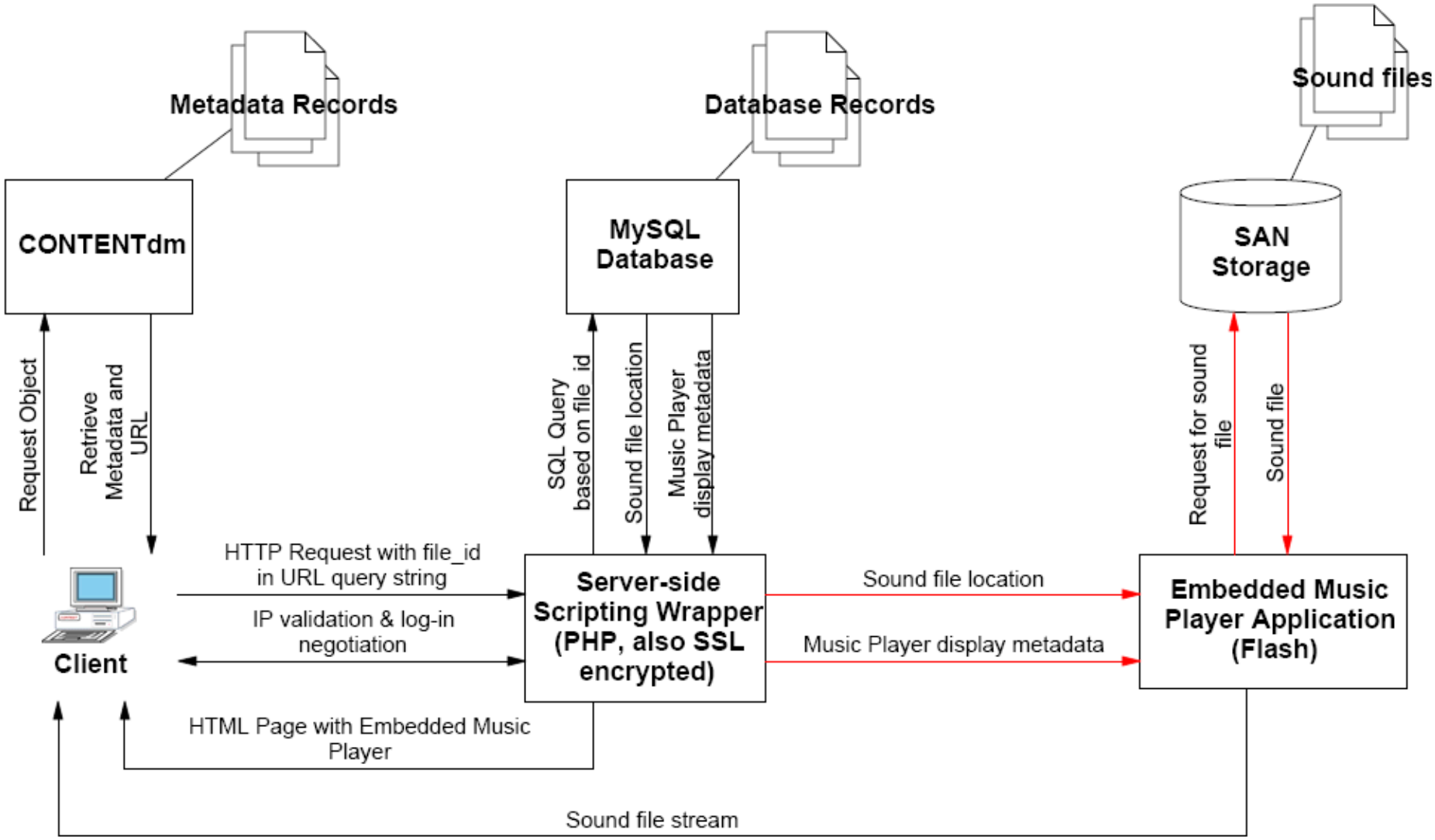

[Picture of an SSC Object in CONTENTdm]

[Picture of Custom Flash Player interface]



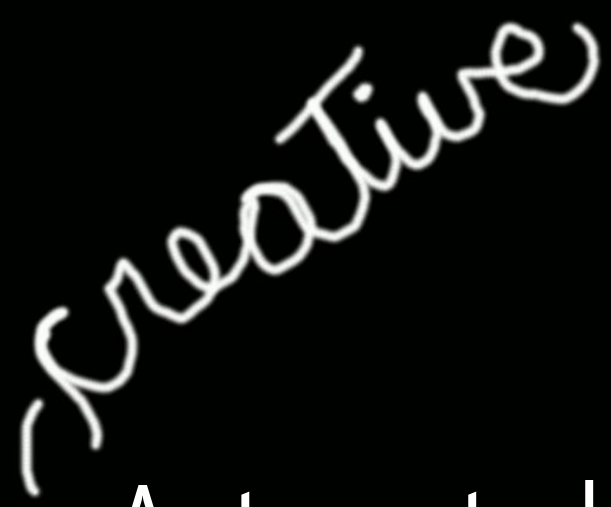
Making use of what we've got

1+1=3


Metadata Records
Database Records
Sound files
CONTENTdm
MySQL Database
SAN Storage
Request Object
Retrieve Metadata and URL
SQL Query based on file_id
Sound file location
Music Player display metadata
Request for sound file
Sound file
HTTP Request with file_id in URL query string
IP validation & log-in negotiation
Server-side Scripting Wrapper (PHP, also SSL encrypted)
Sound file location
Music Player display metadata
Embedded Music Player Application (Flash)
Client
HTML Page with Embedded Music Player
Sound file stream

Metadata

BU
LIG



Automated Metadata Generation and Processing

Input

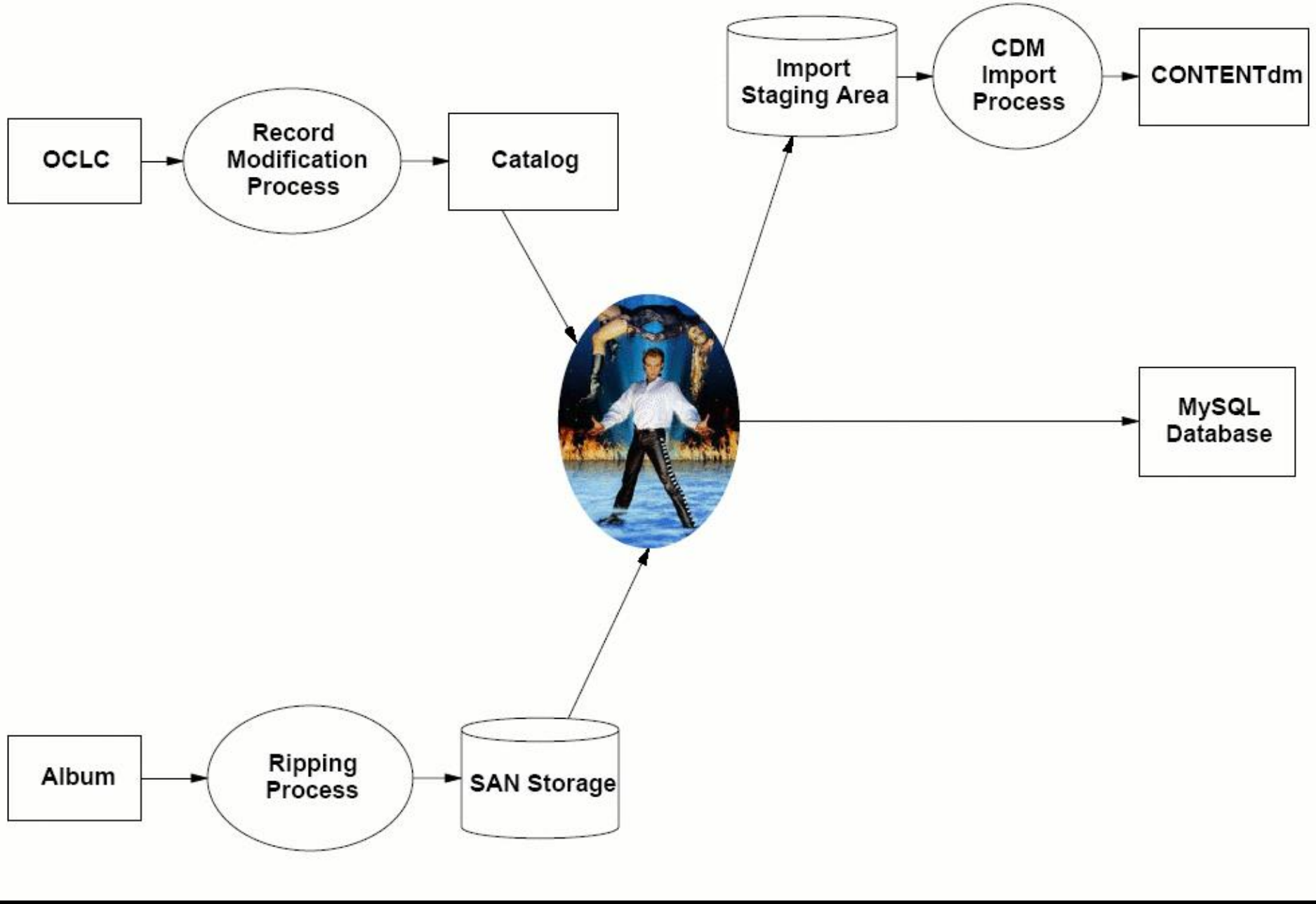
Input

Input

Input

Outpu
t

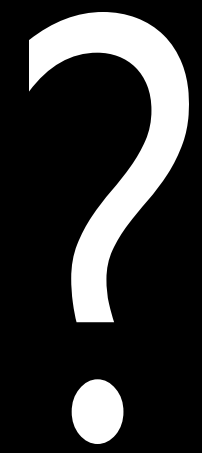
Output


OCLC
Record Modification Process
Catalog
Import Staging Area
CDM Import Process
CONTENTdm
MySQL Database
Album
Ripping Process
SAN Storage

Making use of what we've got

Conclusions ?

Questions



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