



# **SOCIETY OF CALIFORNIA ARCHIVISTS 2014 AGM SESSION 4: TECHNOLOGY & ARCHIVES EXCHANGE FORUM PROGRAMMER & ARCHIVIST COLLABORATION Background Information**

## **UC San Diego Library, Digital Library Development Program**

### **LEARN MORE ABOUT**

Digital Library Development Program: <http://libraries.ucsd.edu/about/digital-library/>

Research Data Curation Program: <http://libraries.ucsd.edu/services/data-curation/>

Digital Collections Beta: <http://library.ucsd.edu/dc>

Contact Us: [dlp@ucsd.edu](mailto:dlp@ucsd.edu)

### **DIGITAL COLLECTIONS OPEN-SOURCE TECHNICAL REFERENCES:**

Project Hydra: <http://projecthydra.org/>

Project Blacklight: <http://projectblacklight.org/>

### **DIGITAL COLLECTIONS COMMUNICATION PLATFORM:**

JIRA: <https://www.atlassian.com/get-jira>

Confluence: <https://www.atlassian.com/software/confluence>

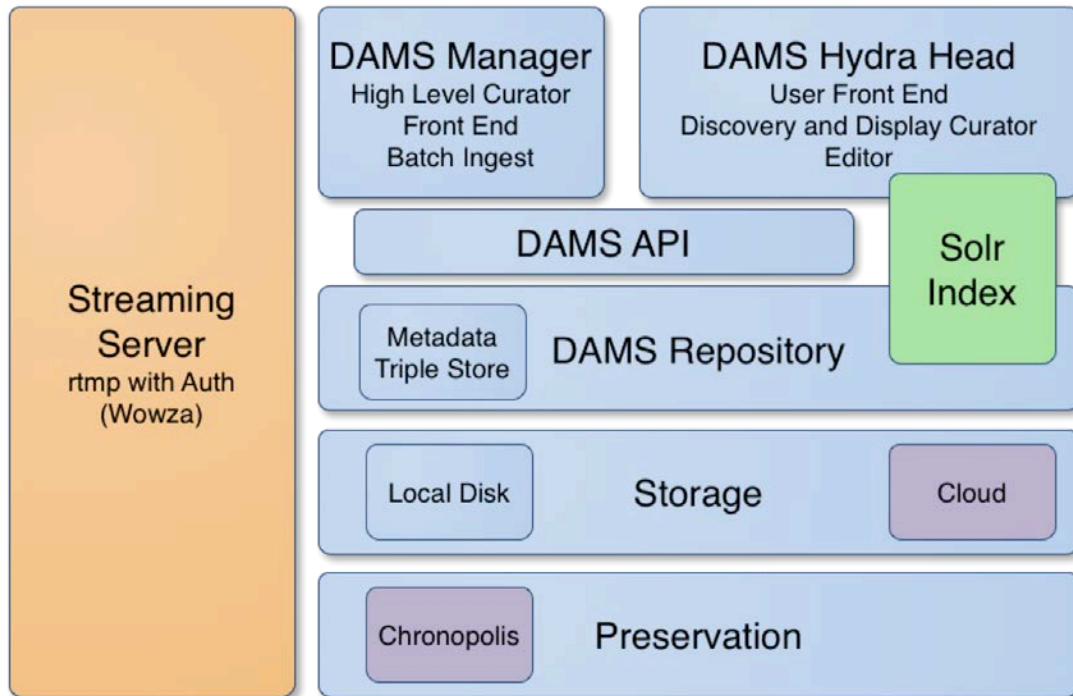
### **TECHNICAL TOOLS AND SERVICES:**

Github [external source code management]: <http://github.com/ucsdlib/>

Stash [internal source code management]: <https://www.atlassian.com/software/stash>

Bamboo [continuous integration & delivery]: <https://www.atlassian.com/software/bamboo>

## UC SAN DIEGO LIBRARY DIGITAL ASSET MANAGEMENT SYSTEM (DAMS)



The UCSD Digital Library Asset Management System (DAMS) is a locally developed digital repository designed to store and manage digital assets of UC San Diego. The DAMS is an expression of our XDRE (eXtensible Digital Resource Environment) framework. Components include:

- Resource Description Framework (RDF) data model,
- Solr (an indexing service based on Lucene),
- JSON (Java Script Object Notation data exchange format),
- Samba and OpenStack file services
- ARKs (Archival Resource Keys, unique identifiers),
- Java based development platform,
- Ruby on Rails based display and discovery system using Hydra and Blacklight

The DAMS' flexible architecture can accept a variety of data formats, schemas and web services when ingesting digital assets. It stores digital content files and allows for the creation, indexing and searching of associated metadata to locate and retrieve the content files. Content can be composed of files in any format, including text, images, sound, video and data sets.

# UCSF Legacy Tobacco Documents Library

## LEARN MORE ABOUT

LTDL: <http://legacy.library.ucsf.edu>

Drug Industry Document Archive: <http://dida.library.ucsf.edu>

Contact us: <http://www.library.ucsf.edu/tobacco/contact>

## TOOLS

Redmine Project Management: <http://www.redmine.org>

Confluence (Wiki): <https://www.atlassian.com/software/confluence>

Google Drive: <https://drive.google.com>

Lucidchart.com <https://www.lucidchart.com>

Bitbucket.org: a source code repository in the cloud: <https://bitbucket.org>

## SOFTWARE

Solr: open source enterprise search platform: <https://lucene.apache.org/solr/>

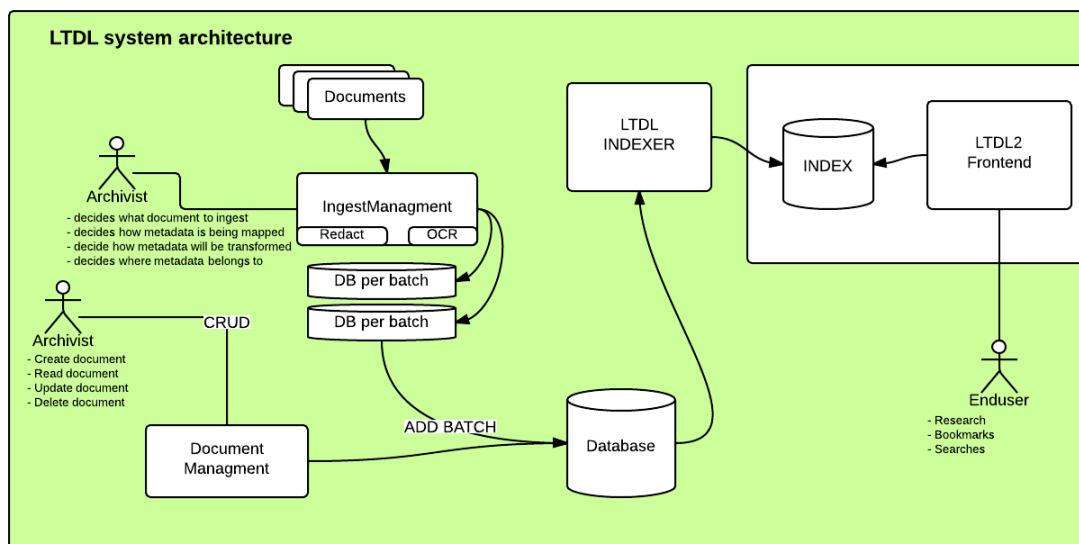
MySQL: open source relational database: <http://dev.mysql.com>

## IaaS INFRASTRUCTURE AS A SERVICE

Amazon Web Services: <http://aws.amazon.com>

Google Cloud Platform: <https://cloud.google.com>

## LTDL SYSTEM ARCHITECTURE



# LEGACY TOBACCO DOCUMENTS LIBRARY INFRASTRUCTURE

