

A vintage wooden cabinet, likely from the mid-20th century, housing a vacuum tube radio and a television set. The radio, on the left, has a black face with yellow markings and two large white knobs. The television, on the right, has a rounded screen. The cabinet is made of dark wood and has a light-colored, textured fabric panel at the bottom.

Video and Radio Star Are Both Alive and Still Good Friends

Bringing A/V content to the University of Texas Libraries Collections Portal



TEXAS Libraries

The University of Texas at Austin
University of Texas Libraries

Photo: © Toffel / Wikimedia Commons / [CC BY-SA 4.0](#)

File:DDR-Museum Pirna Musik- und Fernsehschrank mit Stassfurt-Röhrenradio 2015-01-17.JPG

Digitized sound & moving image at UTL

- Digitization Services unit has been digitizing content for years, from a variety of source media
- Between 2017 and 2020:
 - ca. 2,5 TB worth of audio data, ~ 2000 hours
 - ca. 19 TB worth of video data, ~ 2600 hours
- Not all content suitable for publication for copyright, privacy or other reasons



The University of Texas at Austin
University of Texas Libraries
Digital Asset Management System

-Any-

Search

Advanced Search

[Home](#) > [UT Libraries](#)

View

Manage

UT Libraries

► Details

Architectural Digital
Collections

Fine Arts Collections



Geology Collections

Global Studies
CollectionsHuman Rights
DocumentationLLILAS Benson Digital
Collections

UT Libraries | UT Libraries DAM

https://dams.lib.ute... 70%

Tools Structure People Configuration Islandora Help Shortcuts Edit shortcuts mmh4428 Log out

The University of Texas at Austin
University of Texas Libraries
Digital Asset Management System

Home > UT Libraries

View Manage

UT Libraries

Details


Architectural Digital Collections

LLILAS Benson Digital Collections

Miscellaneous Collections

PCL Map Collection

-Any- Search



© Phronimoi / Wikimedia Commons / CC BY-SA 4.0 - File:Shinkansen at Yoshii River Bridge 02.jpg

DAMS

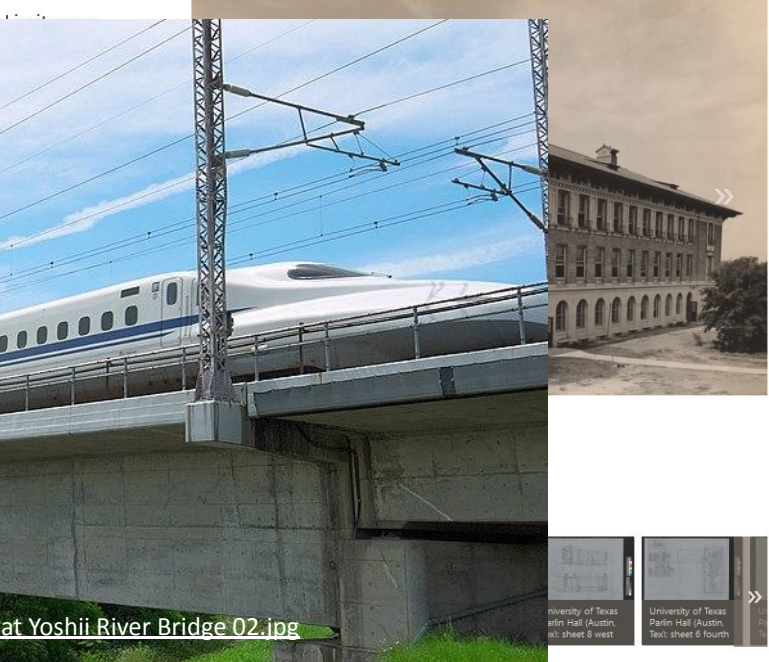
University of Texas Libraries Co X

https://collections.lib... 70%

The University of Texas at Austin
Collections
University of Texas Libraries

About Help Contact

All fields Search... Search Q Browse All



University of Texas
arlin Hall (Austin,
ext: sheet 8 west

University of Texas
Parlin Hall (Austin,
Text: sheet 6 fourth

Collections portal

The University of Texas at Austin
University of Texas Libraries

Chat with us
(UT EID required)



All fields

Search...

Search Q

Browse All

Limit your search

Owning Repository

Date Created/Date Issued

Time Period Covered

Type

Language

Topic

Place Name

« Previous | 1 - 10 of 21,774 | [Next](#) »

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10 per page ▼

1. Great Britain Ministry of Information: Daily Press Notices and Bulletins:1943-01-20



Source Collection:

UT Libraries

Creator /

Contributor:

Great Britain. Ministry of Information. (Creator), Great Britain. Air Ministry. News Service (Contributor), Great Britain. War Office (Contributor), Great Britain. Foreign Office. News Department (Contributor), and Great Britain. Admiralty (Contributor)

Owning

Repository:

Type:

University of Texas Libraries, The University of Texas at Austin

text

2. Sanborn Fire Insurance Maps [Sherman, Texas, 1897, Sheet 16]



Source Collection:

Sanborn Fire Insurance Maps [Sherman, Texas, 1897]

Creator /

Contributor:

Sanborn Map Company (cartographer)



IIIF

- International Image Interoperability Framework
- API specifications we are using
 - IIIF Image API → Cantaloupe IIIF image server
 - IIIF Presentation API → DAMS Publishing application
- IIIF Presentation API v.3 supports time-based media!

Project goals

- Publish A/V content to the Collections Portal
 - Technological challenge: Create IIIF v.3 manifests
 - Technological challenge: Stream content
- Allow users to consume audio/video content in an embedded player
 - Technological challenge: Find/deploy IIIF v.3-capable player app
- Meet accessibility requirements: Provide alternative representation for time-based media
 - Technological challenge: Display captions, offer transcript download
 - Curatorial challenge: Create captions/transcripts

← Millbrae  SFO

San Francisco/East Bay →

A/V Media: Create Captions and Tran

Introduction

This page details the process of producing DAMS-ready captions for a Automated Transcription Service and the [Amara subtitle editing platform](#). The Transcription Service uses Amazon Transcribe to attempt a timestamped video, and can output a number of file formats. With Amara, users can edit the video, to ensure the audio and subtitles are properly synchronized, and formatted correctly.

The Automated Transcription Service often produces inconsistent results with poor audio quality, Spanish language content, or content with multiple speakers. The automated transcript output by the service will always need to be reviewed and sometimes be faster to create subtitles from scratch in Amara, without the automated output. However, Amara does not support video upload, only linking. If a user does not want to use the output from the Automated Transcription Service, they can use it to host any video to be edited in Amara.

1) Use the Automated Transcription Service to generate a preliminary transcript

Captioning and Transcription Service

Feb. 10, 2021

Make a Request

Request captions, transcription or translation:

[Make a Request >](#)

Please note that making a request now requires a fee.

[Overview and Prices >](#)

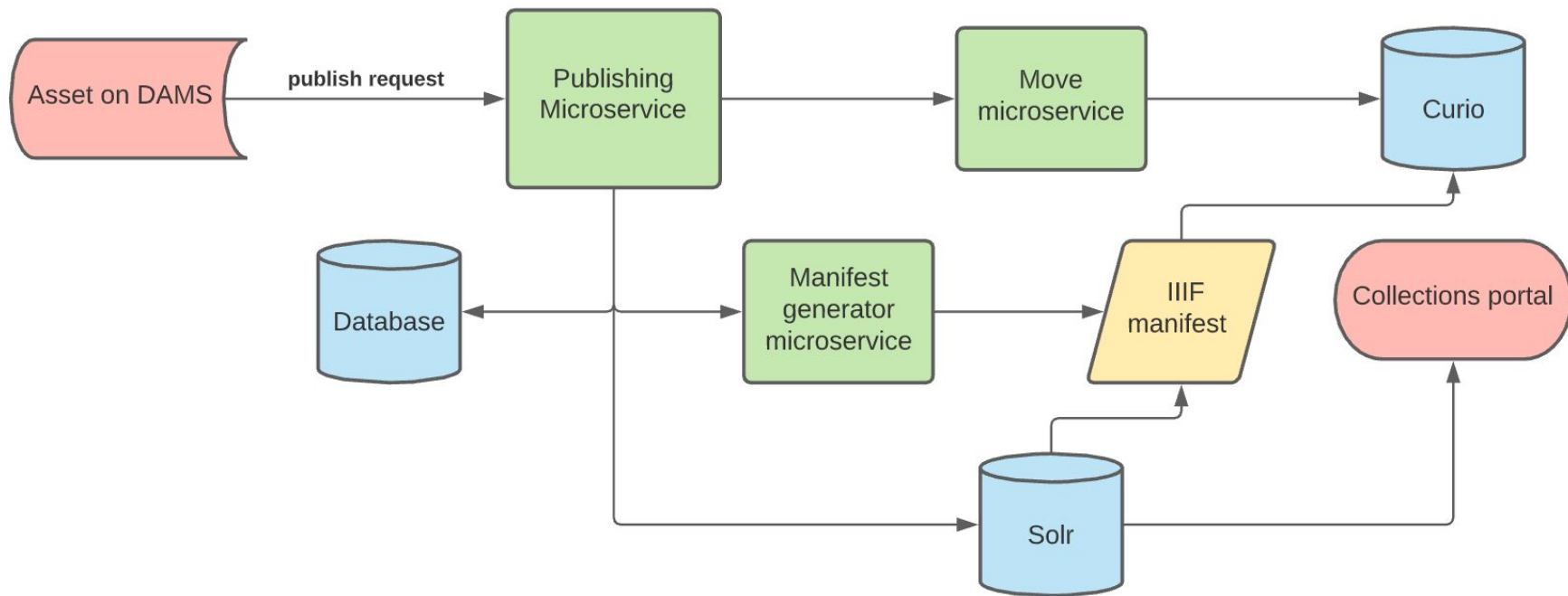
Looking for live captions? [More information](#)



UT Libraries Development Team

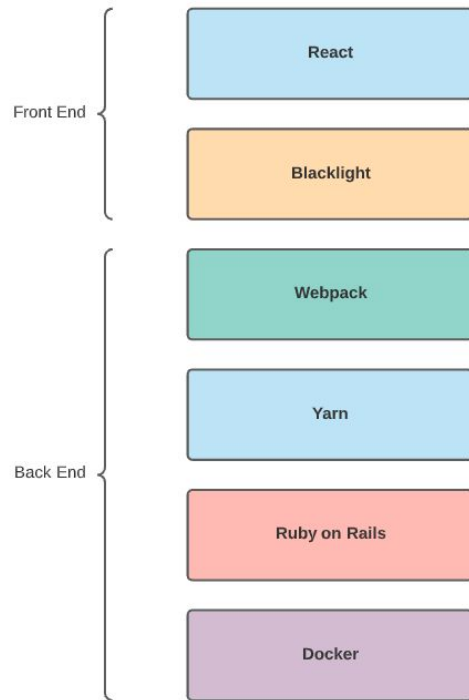
- Two different teams working on separate components
- Agile development
- Steep learning curve for Rails development

Publishing Process



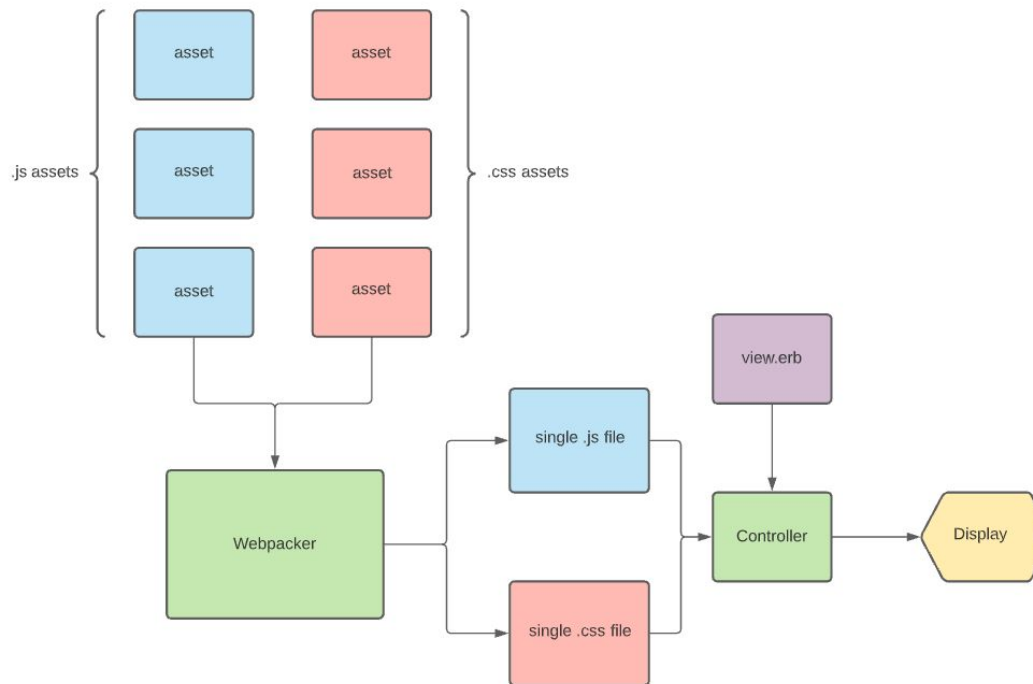
Tech Stack for the Collections Portal

- Docker
- Ruby on Rails
- Blacklight
- Yarn
- Webpack
- React
- Content is served via Wowza streaming links in the IIIF manifest



Rails Asset Pipeline

- Uses Sprockets to compile assets into a single file for distribution
- Sprockets was replaced with Webpack in Rails 6+



Benefits of Webpack

- Included by default in Rails, meaning it can be installed with a flag on the rails new command -- rails new . -m . {location of template} --webpack=react
- Very similar to the Sprockets asset pipeline
- Allows us to use the newest technologies to deliver content
 - Mirador 3 for images
 - Samvera/iiif-react-media-player for A/V content
- Live reloading of components for development environments

Mirador 3 and IIIF-React-Media-Player

- Had been using Mirador 2 for images already
- Mirador 3 launched with A/V support, but could not handle streaming links from Wowza
- IIIF-React-Media-Player had the capability we need but was in early stages of development
- Samvera developer conference kicked off a community sprint with Northwestern to get the player to a usable state

Demo

Acknowledgements

- Libraries IT Squid Storm Squad
- Libraries IT Valkyrie Squad
- Libraries IT Root Squad
- AV-in-the-Portal project stakeholders
- DAMS stakeholders and content curators

Questions?

Contact us:

- Kevin Price kevin.price@austin.utexas.edu
- Mirko Hanke mirko.hanke@austin.utexas.edu

Earlier presentations on DAMS/Collections Portal development and software architecture:

- <https://tinyurl.com/yy6r55ur> (SCSFUG Jan. 2019)
- <https://tinyurl.com/yydraayz> (FUG Aug. 2020)