

Clipper: A web annotation toolkit for research / practice with online audio visual media

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Clipper: @ DHRA 2016 Brighton University

1. City of Glasgow College; 2. The Open University; 3. ReachWill Ltd

- » Digital media
 - › Web annotation of audio visual resources
 - » Cultural heritage
 - › Breathing life into digital archives
 - » Engaging audiences
 - › Co-production
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- » Origins in Jisc Research Data Management (RDM) work
 - » **Clipper consortium**
 - › City of Glasgow College
 - › Open University
 - › Reach Will Limited
 - » **Pilot projects**
 - › The Royal Scottish Conservatoire
 - › EUSCREEN
 - › The Roslin Institute
 - › BUFVC
 - » **Industry / technology support (collaborators)**
 - › Microsoft Research / Azure (cloud services)
 - › W3C AWG
 - › Digirati (data model standards - IIF)
 - › Software Sustainability Institute
 - › Nature Journals
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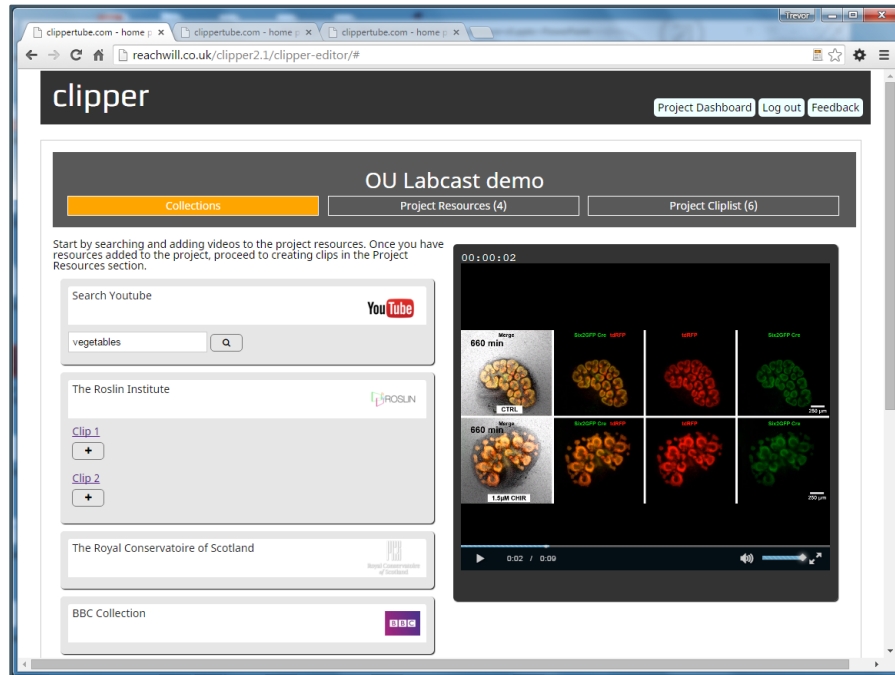
- » AV Data Not well supported in institutional research data management infrastructure and planning,
 - » But the use of such media is rapidly expanding – across all disciplines (not just H&A).
 - » The nature of the media itself - compared to traditional academic textual resources:
 - › Large file sizes
 - › ‘Lumpy’ data format, hard to analyse and even harder to share your analysis
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- » Clipper enables users to create 'virtual' clips that can be annotated using free text and shared as URIs - without altering or copying the original media files.
 - » Respects content owner's rights and permissions policies
 - » Social media integration & new forms of collaboration
 - › Rich source of analytics – quantitative and qualitative
 - » The aim (academic) of Clipper can be summed up as:
"making video and audio as easy to work with as text"
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"making video and audio as easy to work with as text"

» Clipper 1. 2. 3...and 4

- 1. Clip:** Create a virtual clip (i.e. source file, start and stop point)
- 2. Organise:** Annotate and store clips & ciplists in projects
- 3. Share:** URIs for sharing playable clips, ciplists with annotations
- 4. Portable:** Your data is not trapped...you can export, convert and move etc.



- › Test site (best with Chrome)

<http://bit.ly/clipperdemo>

- › Using YouTube - as a demonstrator for onsite integration
 - YT api's provide metadata and image data
 - Data Repo. could do the same (see below)
- › Also works with direct MP4/3 links see DRHA blog post for examples to try at:
 - <http://blog.clippertube.com/index.php/2016/08/30/clipper-drha-workshop/>

» Utility

- › Makes new things possible and old things easier

» Impact (REF)

- › Open data access, reuse, reproducibility

» Curation

» Innovation Platform

- › Archive Deep Access and Storytelling – impact (DH&A)
- › Collaboration between researchers – to meet funders requirements e.g. Bio-Science
- › Shared Authorship - impact
- › Citizen Research - impact

» NB web annotation is rapidly developing...see W3C work

1. Code: Open source code

2. Standards: W3C

3. Service: Online subscription service that enables users to cite, reference, quote and annotate online audio-visual resources just like text

4. Auto Attribution

5. License Picker (ugc)

5. Integrations

- Web MP4/3 – simple direct web links – e.g. Dropbox, Blogs etc.
- Vimeo, Facebook, Twitter

6. Data export and convert:

JSON-LD, CSV, XML, HTML, W3C

7. Continued Development:

New features, widening focus – education, training, culture, heritage

» Contacts

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» Further information

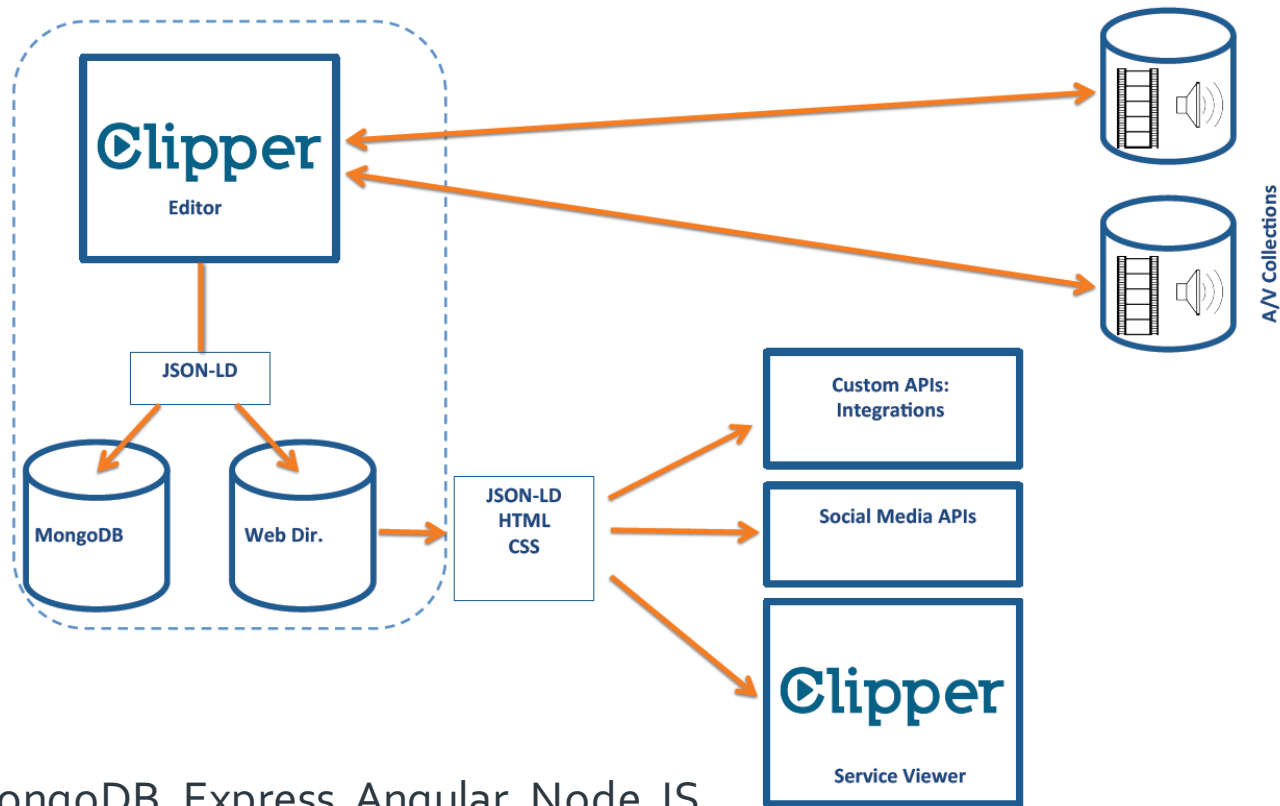
- › Blog: <http://blog.clippertube.com>
 - › Demo: <http://bit.ly/clipperdemo>
 - › Twitter: [#clippertube @clipper_rdm](https://twitter.com/clipper_rdm)
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» Video – earlier DEMO

› <http://clippertube.com/rcs/dip/wp-content/users/clipper30/1465735449567/>

» Web link to earlier Demo site (prototype)

› <http://clippertube.com/rcs/dip/>



MEAN: MongoDB, Express, Angular, Node.JS

"From this perspective Clipper is both an Annotation Engine and Aggregator"

- » The W3C Web Annotation Working Group
 - › <http://www.w3.org/annotation/>
 - › About to be formalised
 - › Big implications for all research...
 - » Clipper generates annotations at increasing levels of granularity re: the timeline(s)
 - » Clipper collects annotations from different sources at increasing levels of scale re: the timeline(s)
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"From this perspective Clipper is both an Annotation Engine and Aggregator"

- » Clipper generates annotations at increasing levels of granularity re: the timeline(s)
 - › Online media source bookmarked
 - › Virtual Clip created from source timeline
 - › Textual Annotations 'pinned' to timeline of Clips

 - » Clipper collects annotations at increasing levels of scale re: the timeline(s)
 - › Clip – a media source and its 'Clipper' annotations
 - › Cliplist – a collection of different clips and their 'Clipper' annotations
 - › Project – a collection of Cliplists
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» End
