

Digital Humanities Application Development in the Cloud

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Working in the Cloud

The virtualization of IT labor

The availability of scalable resources promises:

- Scalability through networking
 - Not requests for but self-provisioning of resources
- Fungibility through virtualization
 - Raw resources can be repurposed to any specific end

An ideology critique of the cloud

- The acceleration of research
- Resources on demand
- The fetishization of computing:
 - Not automation
 - But the invisibilization of labor

Automation and fetishization (a double-edged sword)

[T]he technologies and techniques of IT are not necessarily fused to the doxa of postindustrialism (restructuring, lean production, and all the rest of the new management dicta). As a mode of development, IT also generates what amounts to a semi-autonomous doxa (a *belief* in information or in technology), akin to the faith that a rural laborer in revolutionary France, about to burn the house of the nearest aristocrat, might have expressed by picking up a pitchfork and saying, “*This is what I believe.*”

Alan Liu, *Laws of Cool*, p. 40.

Use-Case

Developing Custom Humanities Software as a Service in the Cloud

Zotero lock-in

The screenshot shows the Zotero homepage with a dark background. At the top, there's a navigation bar with links for Groups, Documentation, Forums, Get Involved, Log In, and Upgrade Storage. Below the navigation, the text "Your personal research assistant" is displayed in large white font, surrounded by various blue and red icons representing different research tasks like collecting, organizing, and sharing. A central red button labeled "Download" is visible, along with text indicating availability for Mac, Windows, and Linux. A note at the bottom mentions "New: Just need to create a quick bibliography? Try [ZoteroBib](#)".

Groups Documentation Forums Get Involved Log In Upgrade Storage

Your personal research assistant

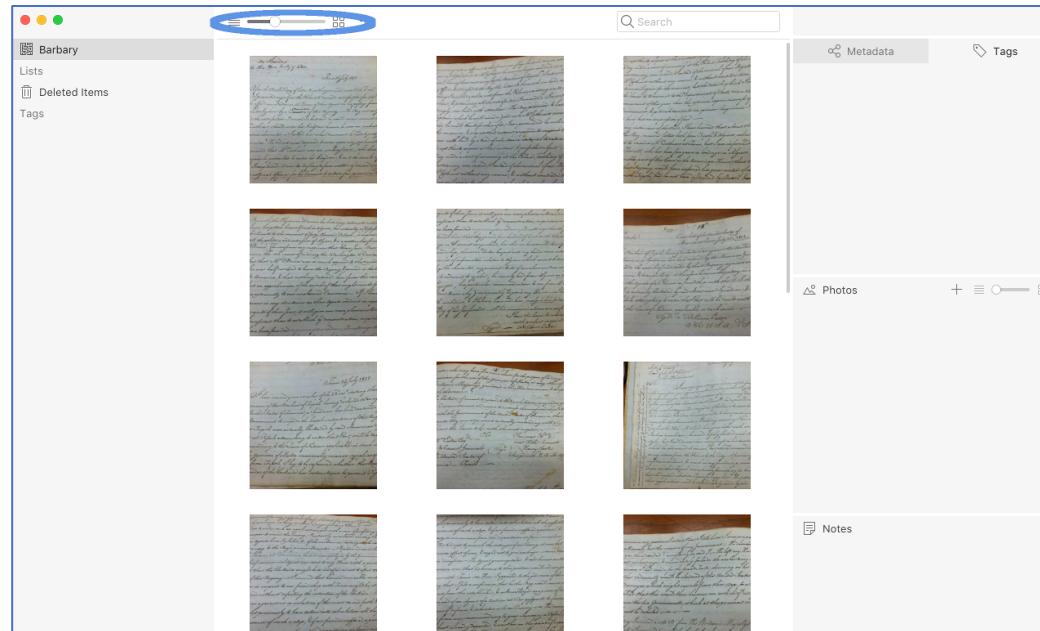
Zotero is a free, easy-to-use tool to help you collect, organize, cite, and share research.

Download

Available for Mac, Windows, and Linux

New: Just need to create a quick bibliography? Try [ZoteroBib](#).

Tropy lock-in



https://docs.tropy.org/using-tropy/add_files

Exporting as CSV file
Feature request

dosen't seem to work for me - probably because I've never used JSON files.
Thank you

1 ❤️ 🔗

created last reply 6 replies 784 views 3 users 2 likes 3 links

Nov '17 Aug '18

inukshuk Nov '17

We're working on a plugin system, which will allow us to support multiple export formats or API endpoints. That said, we will probably not provide a 'generic' CSV export, because CSV is not powerful enough, but it should be very easy to add a plugin or just convert the JSON-LD data. The reason for not providing a generic CSV export is simply that there are many intangibles: do you want a line per item or per photo? Do you want to support items with different templates or do they all have the same template, and so on.

Please also note that Tropy is free and open source and not trying to hide anything (the project file is a SQLite database which you can also query directly) so I'd rest assured that you'll be able to export the metadata. We're also happy to help, if you let us know what data exactly you'd like to include in the file.

8 MONTHS LATER

Timepix Aug '18

Hi I found this response as I was looking for CSV export too. I am uploading photos to a web map which will only take CSV and have tried to convert but cant find any instructions to add plug in or

<https://forums.tropy.org/t/exporting-as-csv-file/365/3>

Google Drive custom metadata (future)

G Suite Admin Help Describe your issue

Manage Drive metadata (beta)

This feature is available with G Suite Enterprise, Enterprise for Education, Drive Enterprise, Business, Education, and Nonprofits edition. [Compare editions](#)

With Drive metadata (now in beta), you can add custom categories and properties to files and folders in Drive, in a consistent way across your business or school. Users can then search for content using specific terms that are meaningful to your organization.

What is metadata?

Metadata is simply information about your files. In Google Drive, metadata is organized into *categories* that map to common types of files in your organization. (A category is equivalent to "schema" in common metadata terminology.)

Each category is a set of structured *properties* that are relevant for a particular category of files.

For example:

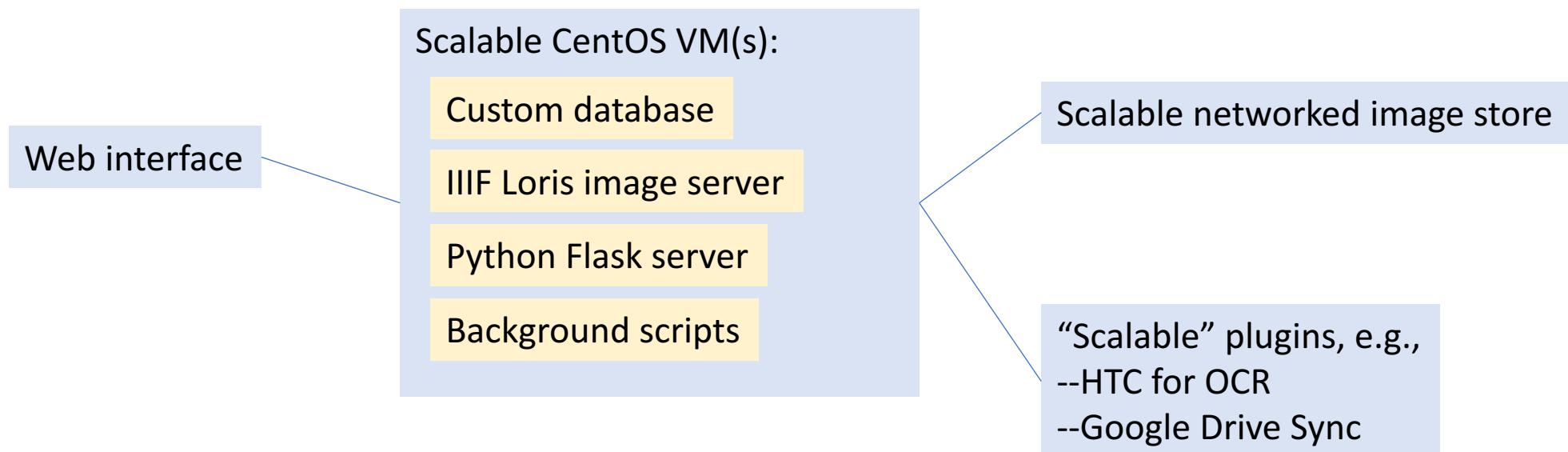
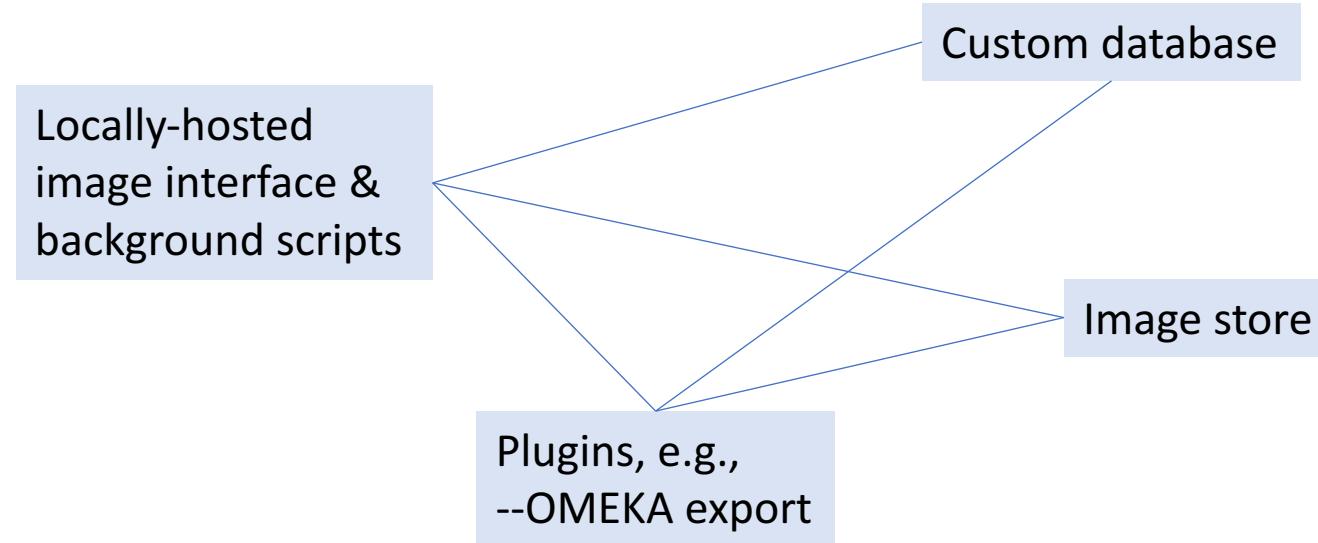
- You might have a category called *Contract*.
- The *Contract* could have properties called *Type*, *Company*, *Status*, and *Due Date*.
- You assign each property a data type (number, date, person, text, or selection). If the type is selection, you define the possible values. For example, *Contract*'s *Status* property might be a selection of *Draft*, *Awaiting Signature*, *Rejected*, *Signed*, or *Expired*.

Use metadata categories to...

- Categorize common file types for everyone at your organization
Administrators can create categories that all your users can apply to their files.
- Define and scope relevant categories to team content
Administrators (if you allow it) can also create categories to use only with shared drives. [Shared drives](#)

<https://support.google.com/a/answer/9292382?hl=en>

Local vs. Networked Image Archiving Apps



Prototype interface screenshots

Album List

Folder 1
Dapibus ac facilisis in
Morbi leo risus
Porta ac consectetur ac
Vestibulum at eros
Cras justo odio
Dapibus ac facilisis in
Morbi leo risus
Porta ac consectetur ac

Tags untagged pictag

+ Add Tag

+

File name: IMG_0009 View Edit

File name: IMG_0006 View Edit

File name: IMG_0005 View Edit

Metadata

name

path

path_modified

date_doc

date_photo

page_number

title

author

archive

collection

box

folder

transcript

added

Update Metadata

Tags

+

+

File name: IMG_0008 View Edit

Folder name: folder1 View Edit

Folder name: folder2 View Edit

+

File name: IMG_0009 View Edit

File name: IMG_0006 View Edit

File name: IMG_0005 View Edit

Album

+

My dear Nephew

Many thanks for your sending letters but will only trouble about sending back the money. However I would like to communicate with the historical part of the institution of the former library of my son. The reason of the book which he sent and came to you is placed back to him as the same. As a more detail I have made a more detailed account of the remains belonging to the time 1839 which you can see in the paper of the letter to the Doctor.

When we go to the first page I have written a long letter but I am intended to have written a short one of his hand and send it to you. I hope that by the next letter you will receive it.

Many thanks for your kind consideration for finding a group of people who may help me make memoranda for you.

Yours ever

John Price

Metadata

name IMG_0005

path /var/www/testiiif/mnt/rdf/jcm'

path_modified

date_doc 2019-03-21 11:50:38

date_photo 2019-03-21 11:50:38

page_number

title

author

archive

collection

box

folder

transcript

insert transcript

added 2019-07-12 17:13:29

Update Metadata

Tags

Advantages of assuming scalable networked storage:

- No hard limit on archive size
- Backups/migration easier to automate and scale (multiple locations/platforms)
- Batch operations scalable (affordances for supercomputing)

Reflection on Methods

From jump-starting to incubating

Jump-starting vs. incubating

- Jump-start
 - Upsides:
 - Knowledge-sharing
 - PI experience
 - Seed funding
 - Downsides:
 - Redundancy in labor (too many cooks)
 - Learning curve
- Incubation
 - Upsides:
 - Division of labor & domain expertise
 - Rapid prototyping
 - Institutional embedding
 - Downsides:
 - Redundancy in software (reinventing the wheel)
 - Rapid obsolescence

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