

# Create or convert a Capsule

## Create a Capsule

Your browser does not support the HTML5 video element

## Check Capsule Status

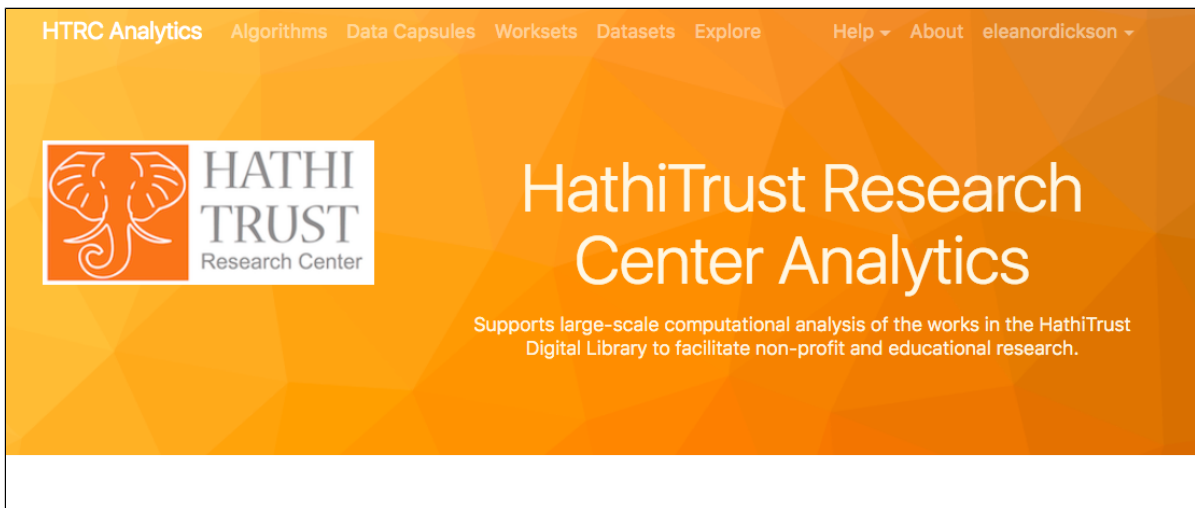
Your browser does not support the HTML5 video element

## Convert a Research Capsule

Your browser does not support the HTML5 video element

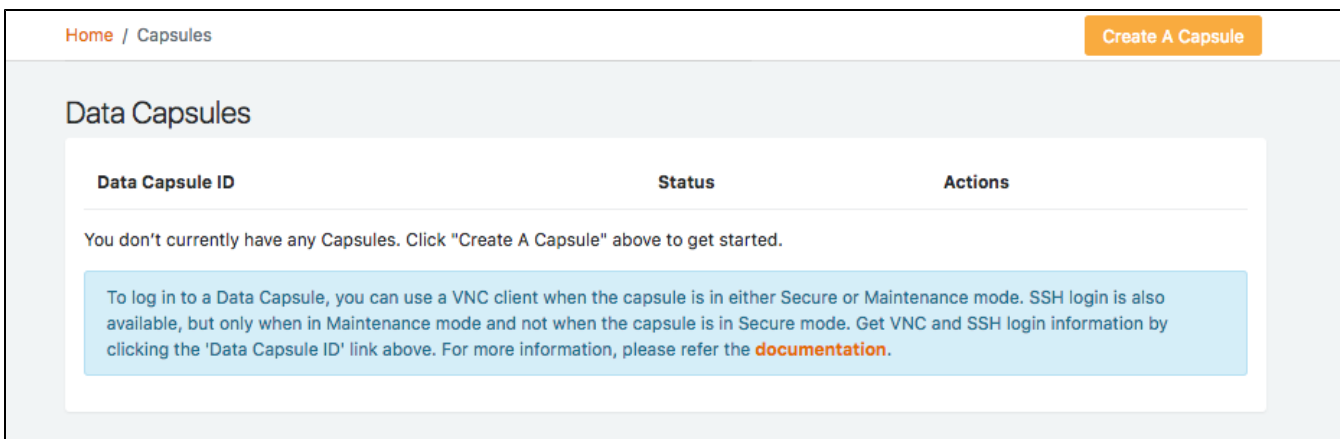
## Navigate to the Capsule Creation Page

Navigate to "Data Capsules" on the top menu of [HTRC Analytics](#).



## Create a Capsule

Click *Create A Capsule* toward the top right.



You will be prompted to choose to create either a Demo Capsule or a Research Capsule

### How would you like to create your capsule?

**Demo Capsule**

Small machine (4 GB memory and 2 VCPUs). No additional information required to create. Access to public domain HathiTrust corpus only. No release of results of allowed.

**Research Capsule**

Customizable machine (up to 16 GB memory and 4 VCPUs). Additional information about intended use required to create. Access to public domain HathiTrust corpus, and approval required to create a capsule with access to the entire HathiTrust corpus. Derived data release allowed pending review.

## Create Demo Capsule

*Note:*

- Demo Capsules are not configureable and can access public domain content only.
- You cannot request to export derived data from a Demo Capsule.

Hit the *Create Capsule* button. The capsule creation procedure usually takes about 1 minute to complete. Refresh your screen to see if it has finished.

<b>Data Capsule Image:</b>	ubuntu-16-04
<b>VCPUs:</b>	2
<b>Memory (GB):</b>	4096
<div style="background-color: #007bff; color: white; padding: 5px 15px; display: inline-block; border-radius: 3px;">Create Capsule</div>	

You will be prompted to agree to the [HTRC Data Capsules Terms of Use](#). Please review this document as it outlines policy for acceptable in-Capsule behavior.

#### HathiTrust Research Center Data Capsule Terms of Use

This Terms of Use represents agreement between the HathiTrust Research Center (HTRC), which leverages the scope and scale of the HathiTrust Digital Library to provision avenues for non-consumptive research, and an individual (hereafter referred to as "User") of the HTRC Data Capsule service.

The Data Capsule service grants User access to a dedicated, secure compute desktop environment (called a "Capsule"). The Capsule, which exists within the HTRC environment (located in the United States), is the vehicle through which User carries out computational activities that adhere to the [Non-Consumptive Use Research Policy](#).

Under this terms of service, User agrees to the following:

1. Read and comply with the [Non-Consumptive Use Research Policy](#).
2. Use their Capsule for non-consumptive research purposes only as defined in Section 1 of the policy.
3. Prior to first use, User selects and submits a form to HTRC indicating their intended use and expected forms of outputs.
4. By using the HTRC Data Capsule service, User acknowledges that information about their activities while working within their Capsule may be reviewed in a manner consistent with the [HathiTrust privacy policy](#).
5. HTRC employs manual or automated means to review data outputs from a Capsule prior to their release. In interpretations of "substantial portion" or any other possible difference of

I Agree

## Create Research Capsule

*Note:*

- Demo Capsules are configureable and by default can access public domain content only.

- You request to export derived data from a Research Capsule.
- Additional information is required to create your Capsule.
- During creation or after it's created, researchers from [HathiTrust member institutions](#) can request for their Research Capsule to be converted to one with computational access to the full HathiTrust corpus, including in-copyright content.

Fill out the form with the title of your research project, and choose the specs for your Capsule.

There are 2 images you can choose from, one that includes sample public domain volumes from HathiTrust for you to test with, and one that does not.

Capsule size can range from 2-4 VCPUs and from 4-16 GB of memory. The VCPUs and memory allocation you choose will affect the processing speed of your Capsule.

**Title (Required)**

Limit 150 characters

**Data Capsule Image**

**VCPUs**

Virtual Central Processing Unit. The number of VCPUs allocated to your capsule affects its processing speed.

**Memory (GB)**

The memory allocated to your capsule affects its processing speed.

Add the description for your research project. These answers will be used to aid in reviewing requests to export results from your Capsule. The more information you can provide, the more easily we can assess your results for adherence to the HTRC's [Non-consumptive Use Research Policy](#).

Affiliates of [HathiTrust member institutions](#) can check the box to request a Capsule with access to the full HathiTrust corpus.

**Description**

What is the nature of your research project, including your research questions and primary methodology?  
(Required)

Limit 1000 characters

What outside data (non-HathiTrust) do you plan to incorporate into your analysis in the capsule?

Limit 500 characters

Please provide links to web-accessible documentation, tools, and/or code you plan to incorporate into your analysis in order to facilitate the review of your data export requests.

Request Capsule with computational access to the full HathiTrust Corpus. (For members of HathiTrust partner institutions.)

Checking that box will prompt you to fill out additional information about your project. Note: Creation requests from users who check this box will be routed for human review. Your request will be reviewed to verify that you are affiliated with a [HathiTrust member institutions](#) and that your request demonstrates serious research intentions in compliance with the HTRC's [Non-consumptive Use Research Policy](#) and [HTRC Data Capsules Terms of Use](#).

Request Capsule with computational access to the full HathiTrust Corpus. (For members of HathiTrust partner institutions.)

Why does your project require access to the full HathiTrust corpus in the capsule environment? (Required)

Limit 1000 characters

Include more information about your anticipated results to further assist in the human review of your data export requests.

## Results release

What derived data files do you anticipate requesting to export from your capsule? Please describe the file format and data structure. (Required)

Limit 1000 characters

Describe all the ways that you intend to use the results of the research conducted in your capsule, including plans for public dissemination of any derived data you are permitted to release from your capsule. (Required)

Limit 1000 characters

If you like, you can choose to allow HTRC to communicate anonymized information about your research project. You must also agree that you will not share your log-in information for HTRC Analytics with anyone.

I consent to have anonymized information regarding my project description shared publicly for reporting and documentation purposes.

I will not share my login information with others. (If you have a collaborator or research partners, please contact [htrc-help@hathitrust.org](mailto:htrc-help@hathitrust.org) for assistance)

Create Capsule

You will be prompted to agree to the [HTRC Data Capsules Terms of Use](#). Please review this document as it outlines policy for acceptable in-Capsule behavior. You will be reminded of these terms regularly while using your Capsule.

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Under this terms of service, User agrees to the following:

1. Read and comply with the [Non-Consumptive Use Research Policy](#).
2. Use their Capsule for non-consumptive research purposes only as defined in Section 1 of the policy.
3. Prior to first use, User selects and submits a form to HTRC indicating their intended use and expected forms of outputs.
4. By using the HTRC Data Capsule service, User acknowledges that information about their activities while working within their Capsule may be reviewed in a manner consistent with the [HathiTrust privacy policy](#).
5. HTRC employs manual or automated means to review data outputs from a Capsule prior to their release. In interpretations of "substantial portion" or any other possible difference of

I Agree

## Check Capsule Status

After creating a capsule, you will be taken back to the Capsules page. By default the capsule you just created is not running.

HTRC Analytics Algorithms Data Capsules Worksets Datasets Explore Help About elfdicksondev

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### Data Capsules

Data Capsule ID	Status	Actions
2c472071-ab0f-47bc-8adb-5325a05815f6	Status: NOT_DEFINED Mode: SHUTDOWN	Start Capsule Delete Capsule
df91193b-84b9-40d5-8e8e-b4d77d2c5cff	Status: NOT_DEFINED Mode: SHUTDOWN	Start Capsule Delete Capsule
7af01379-cc28-40f0-a7fb-084f21269a61	Status: NOT_DEFINED Mode: SHUTDOWN	Start Capsule Delete Capsule

In-capsule research is facilitated by the HTRC Workset Toolkit Python library, which comes pre-installed in all capsules created after March 18, 2018. For more information please refer [the documentation](#).

Advanced Features

## Convert a Research Capsule

HathiTrust member-affiliated individuals can request to convert existing Research Capsules into one with access to the full HathiTrust corpus. From your Capsules page, click on the ID of the Capsule you would like to convert. Then, click the button to Request access to *Full HathiTrust Corpus*.

**Capsule Type:** RESEARCH Request access to Full HathiTrust Corpus

You will be taken to the Capsule creation form. If you submit answers when creating your Capsule, they will appear for you to review and, if desired, edit. You will also be asked to fill in additional information about your research use case. Your request will be reviewed to verify that you are affiliated with a [HathiTrust member institutions](#) and that your request demonstrates serious research intentions in compliance with the HTRC's [Non-consumptive Use Research Policy](#) and [HTRC Data Capsules Terms of Use](#).

Upgrade Capsule : d27e70ca-5ff8-4f37-95ec-1b2eb1a3ea18

Please answer the following questions. You can update the responses you gave when creating your Capsule where pre-filled below. Requests will be reviewed and will be screened to check for membership of a HathiTrust partner institution.

**Title (Required)**

test  
Limit 150 characters

**Description**

What is the nature of your research project, including your research questions and primary methodology? (Required)

test  
Limit 1000 characters

What outside data (non-HathiTrust) do you plan to incorporate into your analysis in the capsule?

Limit 500 characters

Please provide links to web-accessible documentation, tools, and/or code you plan to incorporate into your analysis in order to facilitate the review of your data export requests.

Why does your project require access to the full HathiTrust corpus in the capsule environment? (Required)

Limit 1000 characters

