

BigBrain Data Processing with CBRAIN and DataLad Hands-On Session

6th BigBrain Workshop - Young Researchers Event

October 25, 2022
Zadar, Croatia

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Exercises Outline

- **Part 1:** DataLad and Boutiques (20 - 25')
- **Part 2:** NeuroHub and CBRAIN (20 - 25')

Datalad and Boutiques Exercises

- Google Colab Notebook (Google Account required)
 - Open the Colab Tutorial Notebook
<https://bit.ly/2022-yre-datalad-cbrain>
- **Exercise 1:** Finding BigBrain Datasets in DataLad
- **Exercise 2:** Installing and downloading BigBrain Datasets
- **Exercise 3:** Processing BigBrain Datasets with Boutiques
- **Exercise 4 (Optional):** Uploading Derived Data to DataLad

CBRAIN Exercises

- **Exercise 1:** Connect to NeuroHub, navigate to the BigBrain dataset in CBRAIN
- **Exercise 2:** Launch BigBrainWarp on 1 file
- **Exercise 3:** Monitor task
- **Exercise 4:** Explore results
- **Exercise 5 (Optional):** Launch BigBrainWarp on multiple files
- **Exercise 6 (Optional):** Download the results

Setup (Exercise 1)



HBHL
NEUROHUB

<https://portal.neurohub.ca>

USERNAME

PASSWORD

Note: You can use your CBRAIN account credentials to log in to NeuroHub.

SIGN IN

[Forgot your password? \[cb\]](#)

OR

 SIGN IN WITH ORCID

*This will work if you have already linked your ORCID ID in your NeuroHub account.
You can learn more about ORCID at [ORCID.org](#)*

OR

SIGN IN WITH GLOBUS

*This will work if you have already linked your NeuroHub account to a Globus provider.
You can learn more about Globus at [www.globus.org](#)*

Setup (Exercise 1)

The screenshot shows the NeuroHub dashboard interface. At the top, there is a header with the NeuroHub logo, user information (Bryan Caron, bcaron), and navigation links for Dashboard, Projects, Storage, Messages (with a red notification badge), My Account, Documentation, and Logout. A search bar is also present.

The main content area is divided into several sections:

- Welcome bcaron**: A greeting message.
- NeuroHub News**: A section containing a reminder about available datasets and tools, which is highlighted with a red box.
- New CONP Datasets Added - April 28, 2022**: A section announcing new datasets added to CONP.
- Recently added datasets - October 22, 2020**: A list of datasets added recently, including:
 - 2020-07-13: UK BioBank T1s in MINC (UKBB, request access)
→ 39,676 MincFiles, 482.1 GB
 - 2020-08-28: Visual Working Memory (CONP, public)
→ 19 BidsSubjects, 209 files, 6.4 GB
 - 2020-10-13: Open PreventAD (CONP, request access)
→ 308 FileCollections, 28,747 files, 237.9 GB
 - 2020-10-13: Open PreventAD BIDS (CONP, request access)
→ 308 BidsSubjects, 53,053 files, 246.0 GB
 - 2020-10-22: UK BioBank CIVET outputs (UKBB, request access)
→ 39,207 CivetOutputs, 9,135,212 files, 26.3 TB
 - 2020-11-15: OpenPain (CONP, 6 datasets, public)
→ 7,203 files, 806 GB
- Please do not copy large sections of these datasets; if you need help extracting information out of them, contact us, we will prepare this for you.**
- Latest Tasks**: A table showing completed tasks related to BigBrainWar... for user bcaron, dated from October 20, 2022.
- Latest Updated Files**: A table showing updated files for user bcaron, including a screenshot, dated from October 20, 2022.

Setup (Exercise 1)

Tools		
Name and description	Versions	Availability
AbcdHcpPipeline (more)	v0.0.3, v0.0.3-blynch	Restricted/on demand
AntsRegistration	2.1.0-gGIT-N	Restricted/on demand
APPANPET (more)	1, minc	Generally open
BashScriptor (more)	CBRAIN-Latest	Restricted/on demand
BEst (more)	1.0, 1.0test, 1.1	Restricted/on demand
BEst_cMEM (more)	1.2	Restricted/on demand
BEst_wMEM (more)	1.2	Restricted/on demand
BIDSAppAbcdHcpPipeline (more)	v0.0.3	Restricted/on demand
BIDSAppFMRIPrep (more)	1.2.3	Restricted/on demand
BIDSAppFreesurferAparcstats2table (more)	v6.0.0	Restricted/on demand
BIDSAppFreesurferReconAll (more)	6.0.0, 6.0.0-demo, 6.0.0-manual, v6.0.0	Generally open

Datasets	
Name and description	Availability
Abide-BIDs (more)	Restricted/on demand
CONP-1000-Genomes (more)	Generally open
CONP-BigBrain (more)	Generally open
CONP-CFMM-7T (more)	Generally open
CONP-MurineNeocorticalNeurons (more)	Generally open
CONP-NIH-NHP-Atlas (more)	Generally open
CONP-OpenPain (more)	Generally open
CONP-OpenPreventAD (more)	Restricted/on demand
CONP-SIMON (more)	Generally open
CONP-VisualWorkingMemory (more)	Generally open
HCP_1200_Squash (more)	Restricted/on demand
NeuroHub-UKBB-Access (more)	Restricted/on demand

<https://portal.neurohub.ca/available>

Setup (Exercise 1)

The screenshot shows the NeuroHub web application interface. At the top, there is a navigation bar with links for Dashboard, Projects (which is highlighted with a red box), Storage, Messages (with a notification count of 11), My Account, Documentation, and Logout. Below the navigation bar, there is a search bar with the placeholder "Search files, tasks, projects".

The main content area is divided into several sections:

- Welcome bcaron**: A greeting message for the user "bcaron".
- NeuroHub News**: A section containing a reminder about available datasets and tools, dated October 23, 2022. It includes a link to access the list of tools and datasets.
- New CONP Datasets Added - April 28, 2022**: A red-highlighted section announcing new datasets added on April 28, 2022. It states that twenty-four new CONP Public Datasets have been added, totaling 29930 files and 663.1 GB.
- Recently added datasets - October 22, 2020**: A red-highlighted section listing recently added datasets from October 22, 2020. The list includes:
 - 2020-07-13: UK BioBank T1s in MINC (UKBB, request access)
→ 39,676 MincFiles, 482.1 GB
 - 2020-08-28: Visual Working Memory (CONP, public)
→ 19 BidsSubjects, 209 files, 6.4 GB
 - 2020-10-13: Open PreventAD (CONP, request access)
→ 308 FileCollections, 28,747 files, 237.9 GB
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→ 308 BidsSubjects, 53,053 files, 246.0 GB
 - 2020-10-22: UK BioBank CIVET outputs (UKBB, request access)
→ 39,207 CivetOutputs, 9,135,212 files, 26.3 TB
 - 2020-11-15: OpenPain (CONP, 6 datasets, public)
→ 7,203 files, 806 GB
- Please do not copy large sections of these datasets; if you need help extracting information out of them, contact us, we will prepare this for you.**: A note at the bottom of the recent datasets section.
- Latest Tasks**: A table showing the latest completed tasks. Each row includes a thumbnail, the task name (BigBrainWar...), the user (bcaron), the status (Completed), a preview icon, the task name again, and the timestamp (e.g., 2022-10-20 17:17:11 EDT).
- Latest Updated Files**: A table showing the latest updated files. Each row includes a thumbnail, the file name (bigbrainwar...), the user (bcaron), the file size (e.g., 345.9 MB), a preview icon, the file name again, and the timestamp (e.g., 2022-10-20 17:17:11 EDT).

Setup (Exercise 1)

The screenshot shows the NeuroHub interface with the 'Projects' tab selected. There are four project cards displayed:

- HCP_1200_Squash** (admin_prioux): Dataset HCP_1200 access, squashfs filesystem. Contact support@neurohub.ca if you are interested in accessing these files. Files: 1113, Tasks: 0, Users: 432.
- NeuroHub-UK-Biobank** (dquesnel): UK BioBank datasets on NeuroHub. Contains: 40,000 NII files, 40,000 MINC files, 40,000 BIDS Subjects, 40,000 CivetOutputs. Please do not copy large sections of these datasets; if you need help extracting information out of them, contact us, we will prepare subsets for you. Files: 164769, Tasks: 78870, Users: 68. A 'PRIVATE' label is present.
- bcaron** (admin): Files: 103, Tasks: 130, Users: 1. A 'PRIVATE' label is present.
- bcaron Test Project** (bcaron): My test project. Files: 0, Tasks: 0, Users: 1. An edit icon is visible.

A red box highlights the '+ ADD PROJECT' button at the top left of the project list area. The top navigation bar includes links for Dashboard, Projects (highlighted), Storage, Messages (with 11 notifications), My Account, Documentation, and Logout. A search bar and pagination controls (show 20 of 60) are also visible.

Setup (Exercise 1)

The screenshot shows the 'Add Project' page of the NeuroHub interface. At the top, there is a header with the NeuroHub logo, user information (Bryan Caron, bcaron), and navigation links for Dashboard, Projects, Storage, Messages (with a red notification badge showing 10), My Account, Documentation, and Logout. Below the header, the breadcrumb navigation shows 'Projects > Add Project'. A search bar is also present. The main form has the title 'Add Project'. It contains a 'NAME' field with the value 'Caron - BigBrain Research'. A 'DESCRIPTION' field contains the text 'My first BigBrain project|'. There are two checkboxes: 'PUBLIC' (unchecked) and 'NOT ASSIGNABLE' (unchecked). Below the checkboxes, there are small notes: 'Note: A public project makes all its files visible to all NeuroHub users. Be careful with this option!' and 'Note: If checked, normal members will not be able to assign files or other resources to this project (but editors are always allowed to do so.)'. At the bottom of the form is a teal-colored 'CREATE' button, which is highlighted with a red rectangular border.

Setup (Exercise 1)

The screenshot shows the BigBrain Project Management interface. At the top, there is a navigation bar with links for Dashboard, Projects, Storage, Messages (with a red notification badge showing 10), My Account, Documentation, and Logout. The Dashboard link is highlighted with a red box. Below the navigation bar, a green banner displays the message: "Project Caron - BigBrain Research was successfully created". The main content area shows a summary of the project's status: 0 FILES, 0 TASKS, 1 MEMBER | EDITORS: 0, and 0 PENDING INVITES. Below this, detailed project information is listed: NAME (Caron - BigBrain Research), MAINTAINER (bcaron), TYPE (My Work Project), and DESCRIPTION (My first BigBrain project). The MEMBERS section shows a table with one row for bcaron, indicating they are the MAINTAINER.

MEMBERS	ACCESS
bcaron	MAINTAINER

Setup (Exercise 1)

The screenshot shows the NeuroHub dashboard with a red box highlighting a specific message.

Welcome bcaron

Reminder - Summary List of Available Datasets and Tools - October 23, 2022

The list of tools and datasets available in NeuroHub can be easily accessed at the link [here](#).

New CONP Datasets Added - April 28, 2022

Twenty four new CONP Public Datasets have just been added
→ 29930 files, 663.1 GB

Recently added datasets - October 22, 2020

2020-07-13: UK BioBank T1s in MINC (UKBB, request access)
→ 39,676 MincFiles, 482.1 GB
2020-08-28: Visual Working Memory (CONP, public)
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2020-11-15: OpenPain (CONP, 6 datasets, public)
→ 7,203 files, 806 GB

Please do not copy large sections of these datasets; if you need help extracting information out of them, contact us, we will prepare this for you.

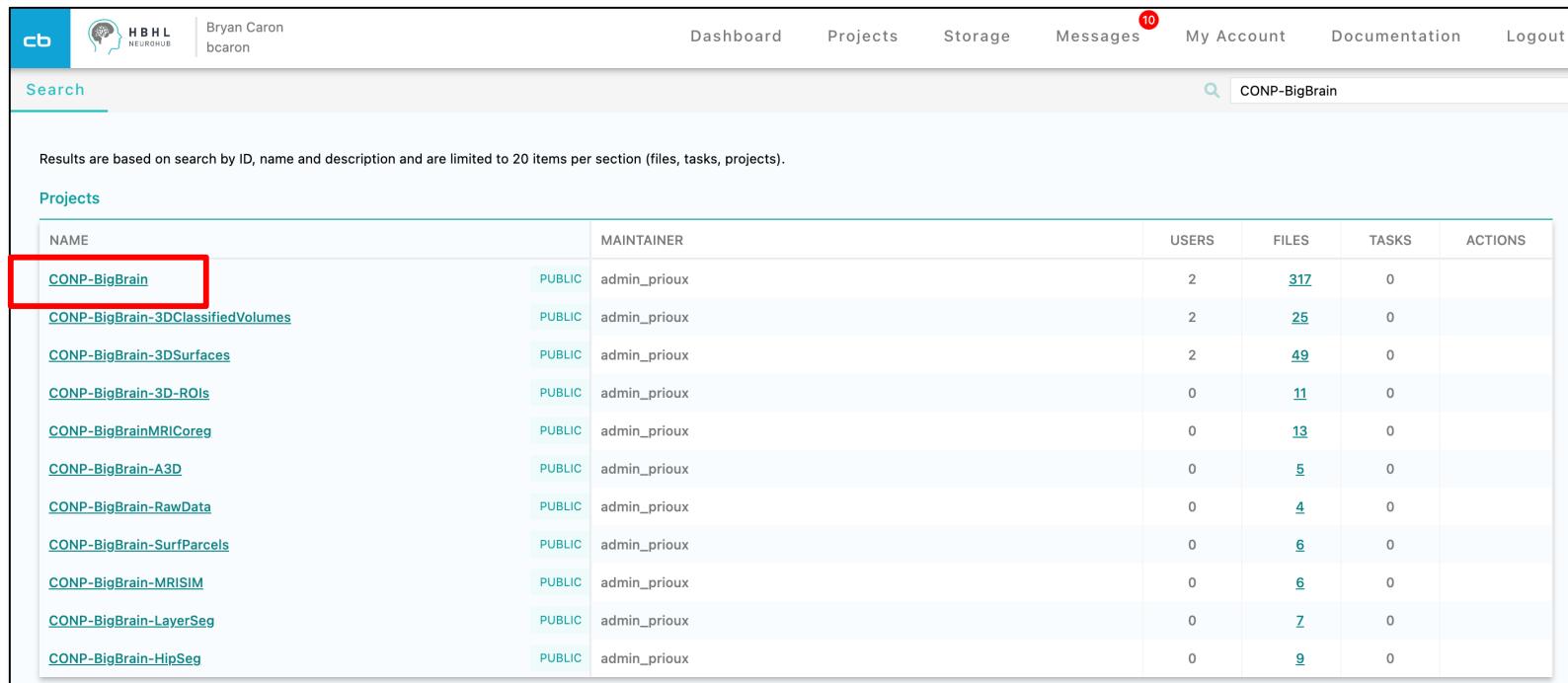
Latest Tasks

Task	User	Status	File	Date
BigBrainWar...	bcaron	Completed	Caron - BigBrain Resea...	2022-10-20 17:17:11 EDT
BigBrainWar...	bcaron	Completed	Caron - BigBrain Resea...	2022-10-20 17:17:11 EDT
BigBrainWar...	bcaron	Completed	Caron - BigBrain Resea...	2022-10-20 17:17:09 EDT
BigBrainWar...	bcaron	Completed	Caron - BigBrain Resea...	2022-10-20 17:17:09 EDT
BigBrainWar...	bcaron	Completed	Caron - BigBrain Resea...	2022-10-20 17:17:07 EDT

Latest Updated Files

File	User	Size	File	Date
bigbrainwar...	bcaron	345.9 MB	Caron - BigBrain Resea...	2022-10-20 17:17:11 EDT
bigbrainwar...	bcaron	30.4 MB	Caron - BigBrain Resea...	2022-10-20 17:17:10 EDT
bigbrainwar...	bcaron	52.3 MB	Caron - BigBrain Resea...	2022-10-20 17:17:09 EDT
Screenshot	bcaron	187.2 MB	Caron - BigBrain Resea...	2022-10-20 17:17:09 EDT

Setup (Exercise 1)



Results are based on search by ID, name and description and are limited to 20 items per section (files, tasks, projects).

Projects

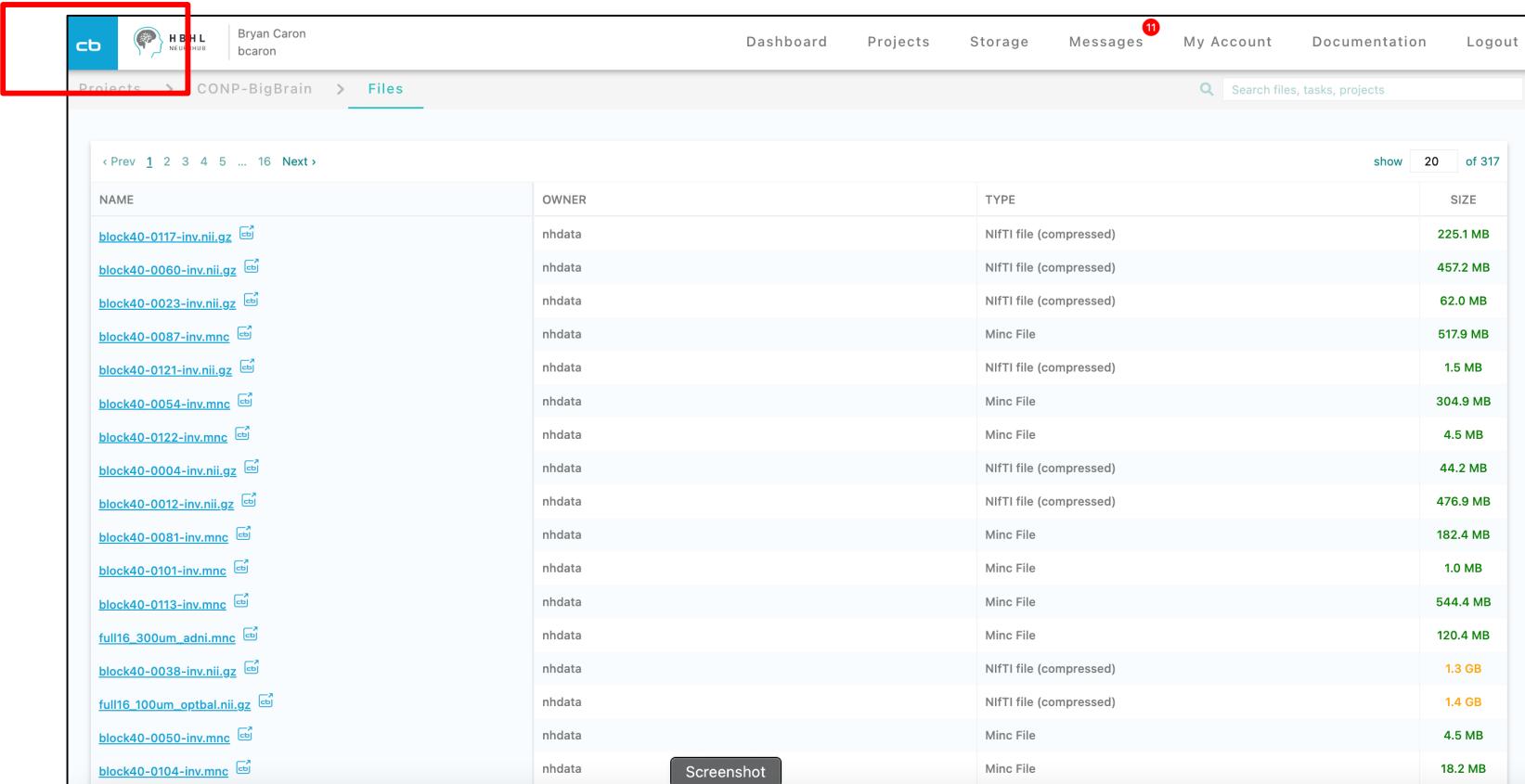
NAME	MAINTAINER	USERS	FILES	TASKS	ACTIONS
CONP-BigBrain	admin_prioux	2	317	0	
CONP-BigBrain-3DClassifiedVolumes	admin_prioux	2	25	0	
CONP-BigBrain-3DSurfaces	admin_prioux	2	49	0	
CONP-BigBrain-3D-ROIs	admin_prioux	0	11	0	
CONP-BigBrainMRICoreg	admin_prioux	0	13	0	
CONP-BigBrain-A3D	admin_prioux	0	5	0	
CONP-BigBrain-RawData	admin_prioux	0	4	0	
CONP-BigBrain-SurfParcels	admin_prioux	0	6	0	
CONP-BigBrain-MRISIM	admin_prioux	0	6	0	
CONP-BigBrain-LayerSeg	admin_prioux	0	7	0	
CONP-BigBrain-HipSeg	admin_prioux	0	9	0	

Setup (Exercise 1)

The screenshot shows the CONP-BigBrain project dashboard. At the top, there is a navigation bar with links for Dashboard, Projects, Storage, Messages (with a red notification badge of 10), My Account, Documentation, and Logout. Below the navigation bar, the project name "CONP-BigBrain" is displayed. A search bar is also present. The main content area shows project statistics: 317 FILES (highlighted with a red box), 0 TASKS, 2 MEMBERS | EDITORS: 1, and 0 PENDING INVITES. Below these statistics, detailed project information is listed: NAME (CONP-BigBrain), MAINTAINER (admin_prioux), TYPE (Public Project), and DESCRIPTION (Access to files in the BigBrain datasets obtained from CONP. Public.). A members table is shown, listing admin_prioux and nhdata under the MEMBERS column and MAINTAINER under the ACCESS column.

MEMBERS	ACCESS
admin_prioux	MAINTAINER
nhdata	

Setup (Exercise 1)



The screenshot shows a user interface for managing neuroimaging data. At the top, there is a header with the HBM-NeuroMIR logo, the user's name (Bryan Caron), and a red box highlighting the logo area. The header also includes links for Dashboard, Projects, Storage, Messages (with a notification count of 11), My Account, Documentation, and Logout. Below the header, the navigation path is shown as Projects > CONP-BigBrain > Files. A search bar is present at the top right. The main content is a table listing 317 files. The columns are NAME, OWNER, TYPE, and SIZE. The table includes pagination with links for < Prev, 1, 2, 3, 4, 5, ..., 16, Next, and a "show 20 of 317" button. The first few rows of the table are as follows:

NAME	OWNER	TYPE	SIZE
block40-0117-inv.nii.gz	nhdata	NIfTI file (compressed)	225.1 MB
block40-0060-inv.nii.gz	nhdata	NIfTI file (compressed)	457.2 MB
block40-0023-inv.nii.gz	nhdata	NIfTI file (compressed)	62.0 MB
block40-0087-inv.mnc	nhdata	Minc File	517.9 MB
block40-0121-inv.nii.gz	nhdata	NIfTI file (compressed)	1.5 MB
block40-0054-inv.mnc	nhdata	Minc File	304.9 MB
block40-0122-inv.mnc	nhdata	Minc File	4.5 MB
block40-0004-inv.nii.gz	nhdata	NIfTI file (compressed)	44.2 MB
block40-0012-inv.nii.gz	nhdata	NIfTI file (compressed)	476.9 MB
block40-0081-inv.mnc	nhdata	Minc File	182.4 MB
block40-0101-inv.mnc	nhdata	Minc File	1.0 MB
block40-0113-inv.mnc	nhdata	Minc File	544.4 MB
full16_300um_adni.mnc	nhdata	Minc File	120.4 MB
block40-0038-inv.nii.gz	nhdata	NIfTI file (compressed)	1.3 GB
full16_100um_optbal.nii.gz	nhdata	NIfTI file (compressed)	1.4 GB
block40-0050-inv.mnc	nhdata	Minc File	4.5 MB
block40-0104-inv.mnc	nhdata	Minc File	18.2 MB

Setup (Exercise 1)

NeuroHub Dashboard My Account Projects Messages (11) Resources Support Forum Rev: 6.2.0-281 (last updated 1m ago) Logged in as Bryan Caron Sign out

cbrain - CONP-BigBrain - Files

Files Tasks

0 files currently selected (select all, clear)

(317 entries , 112.5 GB)

← Previous 1 2 3 4 5 6 7 8 9 ... 12 13 Next →

Search by name: More... 25 per page.

<input type="checkbox"/>	Filename	File Type	Owner	Creation Date	Size	Tags	Project Access	Provider	Description	+
<input type="checkbox"/>	block40-0117-inv.nii.gz	NIFTI file (compressed)	nhdata	2021-01-26	225.1 MB		Read Only	CONP-BigBrain		...
<input type="checkbox"/>	block40-0060-inv.nii.gz	NIFTI file (compressed)	nhdata	2021-01-26	457.2 MB		Read Only	CONP-BigBrain		...
<input type="checkbox"/>	block40-0023-inv.nii.gz	NIFTI file (compressed)	nhdata	2021-01-26	62.0 MB		Read Only	CONP-BigBrain		...
<input type="checkbox"/>	block40-0087-inv.mnc	Minc File	nhdata	2021-01-26	517.9 MB		Read Only	CONP-BigBrain		...
<input type="checkbox"/>	block40-0121-inv.nii.gz	NIFTI file (compressed)	nhdata	2021-01-26	1.5 MB		Read Only	CONP-BigBrain		...
<input type="checkbox"/>	block40-0054-inv.mnc	Minc File	nhdata	2021-01-26	304.9 MB		Read Only	CONP-BigBrain		...
<input type="checkbox"/>	block40-0122-inv.mnc	Minc File	nhdata	2021-01-26	4.5 MB		Read Only	CONP-BigBrain		...
<input type="checkbox"/>	block40-0004-inv.nii.gz ✓	NIFTI file (compressed)	nhdata	2021-01-26	44.2 MB		Read Only	CONP-BigBrain		...
<input type="checkbox"/>	block40-0012-inv.nii.gz	NIFTI file (compressed)	nhdata	2021-01-26	476.9 MB		Read Only	CONP-BigBrain		...
<input type="checkbox"/>	block40-0081-inv.mnc	Minc File	nhdata	2021-01-26	182.4 MB		Read Only	CONP-BigBrain		...
<input type="checkbox"/>	block40-0101-inv.mnc	Minc File	nhdata	2021-01-26	1.0 MB		Read Only	CONP-BigBrain		...
<input type="checkbox"/>	block40-0113-inv.mnc	Minc File	nhdata	2021-01-26	544.4 MB		Read Only	CONP-BigBrain		...
<input type="checkbox"/>	full16_300um_adni.mnc	Minc File	nhdata	2021-01-26	120.4 MB		Read Only	CONP-BigBrain		...
<input type="checkbox"/>	block40-0038-inv.nii.gz	NIFTI file (compressed)	nhdata	2021-01-26	1.3 GB		Read Only	CONP-BigBrain		...
<input type="checkbox"/>	full16_100um_optbal.nii.gz	NIFTI file (compressed)	nhdata	2021-01-26	1.4 GB		Read Only	CONP-BigBrain		...
<input type="checkbox"/>	block40-0050-inv.mnc	Minc File	nhdata	2021-01-26	4.5 MB		Read Only	CONP-BigBrain		...

Setup (Exercise 1)

NeuroHub Dashboard My Account Projects Messages (11) Resources Support Forum Rev: 6.2.0-281 (last updated 1m ago) Logged in as Bryan Caron Sign out

cbrain - CONP-BigBrain - Files

Files Tasks

▶ Launch ↑ Upload More... Search for anything

0 files currently selected (select all, clear)

(317 entries , 112.5 GB)

Search by name: 25 per page.

← Previous 1 2 3 4 5 6 7 8 9 ... 12 13 Next →

Filename	File Type	Owner	Creation Date	Size	Tags	Project Access	Provider	Description	...
block40-0117-inv.nii.gz	Image File (of 1)	nhdata	2021-01-26	225.1 MB		Read Only	CONP-BigBrain		...
block40-0060-inv.nii.gz	Json File (of 1)	nhdata	2021-01-26	457.2 MB		Read Only	CONP-BigBrain		...
block40-0023-inv.nii.gz	Minc File (of 156)	nhdata	2021-01-26	62.0 MB		Read Only	CONP-BigBrain		...
block40-0087-inv.mnc	NIFTI file (of 154)	nhdata	2021-01-26	517.9 MB		Read Only	CONP-BigBrain		...
block40-0121-inv.nii.gz	Single File (of 5)	nhdata	2021-01-26	1.5 MB		Read Only	CONP-BigBrain		...
block40-0054-inv.mnc	Minc File	nhdata	2021-01-26	304.9 MB		Read Only	CONP-BigBrain		...
block40-0122-inv.mnc	Minc File	nhdata	2021-01-26	4.5 MB		Read Only	CONP-BigBrain		...
block40-0004-inv.nii.gz ✓	NIFTI file (compressed)	nhdata	2021-01-26	44.2 MB		Read Only	CONP-BigBrain		...
block40-0012-inv.nii.gz	NIFTI file (compressed)	nhdata	2021-01-26	476.9 MB		Read Only	CONP-BigBrain		...
block40-0081-inv.mnc	Minc File	nhdata	2021-01-26	182.4 MB		Read Only	CONP-BigBrain		...
block40-0101-inv.mnc	Minc File	nhdata	2021-01-26	1.0 MB		Read Only	CONP-BigBrain		...
block40-0113-inv.mnc	Minc File	nhdata	2021-01-26	544.4 MB		Read Only	CONP-BigBrain		...
full16_300um_adni.mnc	Minc File	nhdata	2021-01-26	120.4 MB		Read Only	CONP-BigBrain		...
block40-0038-inv.nii.gz	NIFTI file (compressed)	nhdata	2021-01-26	1.3 GB		Read Only	CONP-BigBrain		...
full16_100um_optbal.nii.gz	NIFTI file (compressed)	nhdata	2021-01-26	1.4 GB		Read Only	CONP-BigBrain		...
block40-0050-inv.mnc	Minc File	nhdata	2021-01-26	4.5 MB		Read Only	CONP-BigBrain		...

Filter - File Type x

Setup (Exercise 1)

NeuroHub Dashboard My Account Projects Messages (11) Resources Support Forum Rev: 6.2.0-281 (last updated 1m ago) Logged in as Bryan Caron Sign out

cbrain - CONP-BigBrain - Files

Files Tasks

0 files currently selected (select all, clear)

(317 entries , 112.5 GB)

← Previous 1 2 3 4 5 6 7 8 9 ... 12 13 Next →

Search by name: More... 25 per page.

Filename	File Type	Owner	Creation Date	Size	Tags	Project Access	Provider	Description	...
block40-0117-inv.nii.gz	Image File (of 1)	nhdata	2021-01-26	225.1 MB		Read Only	CONP-BigBrain		...
block40-0060-inv.nii.gz	Json File (of 1)	nhdata	2021-01-26	457.2 MB		Read Only	CONP-BigBrain		...
block40-0023-inv.nii.gz	Minc File (of 156)	nhdata	2021-01-26	62.0 MB		Read Only	CONP-BigBrain		...
block40-0087-inv.mnc	NIFTI file (of 154)	nhdata	2021-01-26	517.9 MB		Read Only	CONP-BigBrain		...
block40-0121-inv.nii.gz	Single File (of 5)	nhdata	2021-01-26	1.5 MB		Read Only	CONP-BigBrain		...
block40-0054-inv.mnc	Minc File	nhdata	2021-01-26	304.9 MB		Read Only	CONP-BigBrain		...
block40-0122-inv.mnc	Minc File	nhdata	2021-01-26	4.5 MB		Read Only	CONP-BigBrain		...
block40-0004-inv.nii.gz ✓	NIFTI file (compressed)	nhdata	2021-01-26	44.2 MB		Read Only	CONP-BigBrain		...
block40-0012-inv.nii.gz	NIFTI file (compressed)	nhdata	2021-01-26	476.9 MB		Read Only	CONP-BigBrain		...
block40-0081-inv.mnc	Minc File	nhdata	2021-01-26	182.4 MB		Read Only	CONP-BigBrain		...
block40-0101-inv.mnc	Minc File	nhdata	2021-01-26	1.0 MB		Read Only	CONP-BigBrain		...
block40-0113-inv.mnc	Minc File	nhdata	2021-01-26	544.4 MB		Read Only	CONP-BigBrain		...
full16_300um_adni.mnc	Minc File	nhdata	2021-01-26	120.4 MB		Read Only	CONP-BigBrain		...
block40-0038-inv.nii.gz	NIFTI file (compressed)	nhdata	2021-01-26	1.3 GB		Read Only	CONP-BigBrain		...
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block40-0050-inv.mnc	Minc File	nhdata	2021-01-26	4.5 MB		Read Only	CONP-BigBrain		...

Filter - File Type x

Setup (Exercise 1)

NeuroHub Dashboard My Account Projects Messages (11) Resources Support Forum Rev: 6.2.0-281 (last updated 0m ago) Logged in as Bryan Caron Sign out

cbrain - CONP-BigBrain - Files

Files Tasks

Launch Upload Download Copy Move Rename Compress Uncompress Delete More...

Active Filters (clear) Type: Minc File Name: like full8_...

1 files currently selected (select all, clear)

(13 entries , 3.4 GB)

Search by name: 25 per page.

Filename	File Type	Owner	Creation Date	Size	Tags	Project Access	Provider	Description	...
full8_100um_adni.mnc	Minc File	nhdata	2021-01-26	1.1 GB		Read Only	CONP-BigBrain		...
full8_200um_adni.mnc	Minc File	nhdata	2021-01-26	151.0 MB		Read Only	CONP-BigBrain		...
full8_400um_optbal.mnc	Minc File	nhdata	2021-01-26	10.3 MB		Read Only	CONP-BigBrain		...
full8_1000um_optbal.mnc	Minc File	nhdata	2021-01-26	751.8 kB		Read Only	CONP-BigBrain		...
full8_200um_optbal.mnc	Minc File	nhdata	2021-01-26	77.9 MB		Read Only	CONP-BigBrain		...
full8_200um_2009b_sym.mnc	Minc File	nhdata	2021-01-26	156.4 MB		Read Only	CONP-BigBrain		...
full8_100um_optbal.mnc	Minc File	nhdata	2021-01-26	603.9 MB		Read Only	CONP-BigBrain		...
full8_400um_adni.mnc	Minc File	nhdata	2021-01-26	20.9 MB		Read Only	CONP-BigBrain		...
full8_400um_2009b_sym.mnc	Minc File	nhdata	2021-01-26	21.5 MB		Read Only	CONP-BigBrain		...
full8_300um_optbal.mnc	Minc File	nhdata	2021-01-26	23.8 MB		Read Only	CONP-BigBrain		...
full8_300um_2009b_sym.mnc	Minc File	nhdata	2021-01-26	48.7 MB		Read Only	CONP-BigBrain		...
full8_100um_2009b_sym.mnc	Minc File	nhdata	2021-01-26	1.1 GB		Read Only	CONP-BigBrain		...
full8_300um_adni.mnc	Minc File	nhdata	2021-01-26	47.2 MB		Read Only	CONP-BigBrain		...

Synchronization symbols: ✓: InSync *: ProvNewer .: CacheNewer ✘: Corrupted ↴: ToCache ↑: ToProvider

Powered by CBRAIN Credits

Setup (Exercise 1)

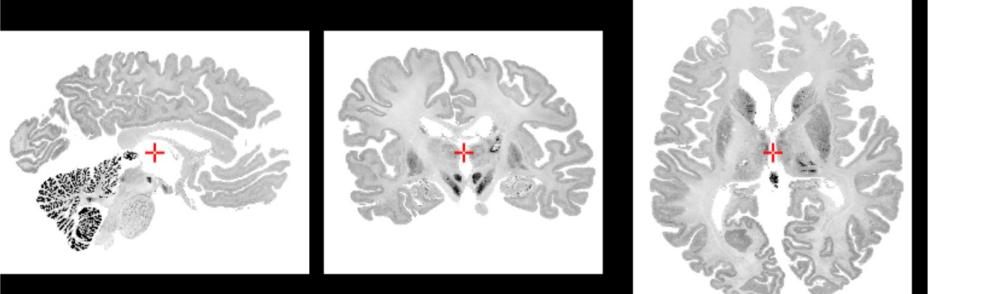
Info

Name:	full8_200um_optbal.mnc	Created at:	2021-01-26 15:51:53 EST (1 year, 8 months and 3 weeks ago)
Type:	Minc File	Modified at:	2021-01-26 15:52:08 EST (1 year, 8 months and 3 weeks ago)
Size:	77.9 MB = 77899827 bytes	Data Provider:	CONP-BigBrain (FlatDirSmartDataProvider) Cached: ✓✓
Owner:	nhdata	Project:	CONP-BigBrain
Tags:	Project permission on file: Read		
Hidden file:	<input type="checkbox"/> H	Immutable file:	<input type="checkbox"/> I
Zenodo Publication:	None.		
Description:			

Content

Change view: Volume Viewer

full8_200um_optbal.mnc



Voxel Coordinates:
I: 385 J: 302 K: 348

World Coordinates:
X: -1.06660 Y: 4.09000 Z: 1.62230

Value: 65535

Color Map: Gray

Threshold:

0 65535

All slices: Sagittal Coronal Transverse

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Launch BigBrainWarp (Exercise 2)

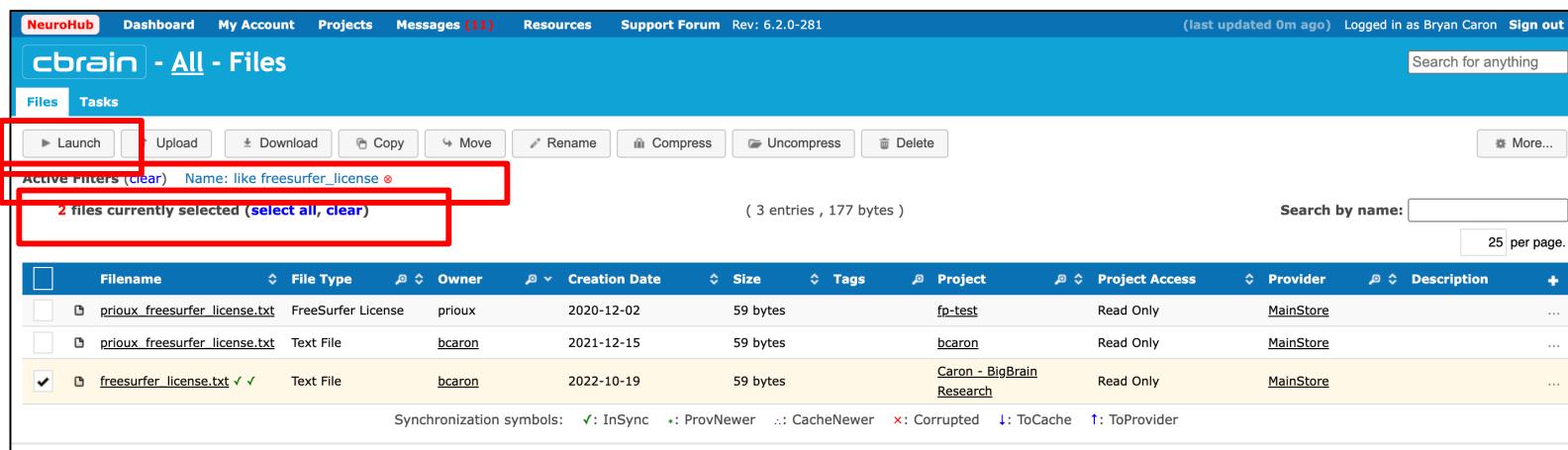
The screenshot shows the NeuroHub interface for the CONP-BigBrain project. The title bar includes 'NeuroHub' and 'Dashboard' tabs, and a 'Messages (11)' notification. The main header 'cbrain CONP-BigBrain - Files' is highlighted with a red box. Below the header are 'Files' and 'Tasks' tabs, with 'Files' selected. A toolbar contains buttons for 'Launch', 'Upload', 'Download', 'Copy', 'Move', 'Rename', 'Compress', 'Uncompress', and 'Delete'. A search bar on the right says 'Search for anything'. Active filters are set to 'Type: Minc File' and 'Name: like full8_'. A message at the top states '1 files currently selected (select all, clear)'. The main table lists 13 entries, each with a checkbox, filename, file type (Minc File), owner (nhdata), creation date (2021-01-26), size, tags, project access (Read Only), provider (CONP-BigBrain), and a '...' button. One row, 'full8_200um_optbal.mnc', is highlighted with a yellow background and has a checkmark in its checkbox column. A red box highlights this row and the '1 files currently selected' message. The bottom of the table shows synchronization symbols and credits.

Filename	File Type	Owner	Creation Date	Size	Tags	Project Access	Provider
full8_100um_adni.mnc	Minc File	nhdata	2021-01-26	1.1 GB		Read Only	CONP-BigBrain
full8_200um_adni.mnc	Minc File	nhdata	2021-01-26	151.0 MB		Read Only	CONP-BigBrain
full8_400um_optbal.mnc	Minc File	nhdata	2021-01-26	10.3 MB		Read Only	CONP-BigBrain
full8_1000um_optbal.mnc	Minc File	nhdata	2021-01-26	751.8 kB		Read Only	CONP-BigBrain
full8_200um_optbal.mnc	Minc File	nhdata	2021-01-26	77.9 MB		Read Only	CONP-BigBrain
full8_200um_2009b_sym.mnc	Minc File	nhdata	2021-01-26	156.4 MB		Read Only	CONP-BigBrain
full8_100um_optbal.mnc	Minc File	nhdata	2021-01-26	603.9 MB		Read Only	CONP-BigBrain
full8_400um_adni.mnc	Minc File	nhdata	2021-01-26	20.9 MB		Read Only	CONP-BigBrain
full8_400um_2009b_sym.mnc	Minc File	nhdata	2021-01-26	21.5 MB		Read Only	CONP-BigBrain
full8_300um_optbal.mnc	Minc File	nhdata	2021-01-26	23.8 MB		Read Only	CONP-BigBrain
full8_300um_2009b_sym.mnc	Minc File	nhdata	2021-01-26	48.7 MB		Read Only	CONP-BigBrain
full8_100um_2009b_sym.mnc	Minc File	nhdata	2021-01-26	1.1 GB		Read Only	CONP-BigBrain
full8_300um_adni.mnc	Minc File	nhdata	2021-01-26	47.2 MB		Read Only	CONP-BigBrain

Synchronization symbols: ✓: InSync *: ProvNewer .: CacheNewer ✘: Corrupted ↴: ToCache ↑: ToProvider

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Launch BigBrainWarp (Exercise 2)



The screenshot shows the NeuroHub interface for the cbrain project. The top navigation bar includes links for Dashboard, My Account, Projects, Messages (11), Resources, Support Forum, and a revision number Rev: 6.2.0-281. On the right, it shows the last update time (0m ago), the user is logged in as Bryan Caron, and there is a Sign out link. A search bar is also present.

The main area is titled "cbrain - All - Files" and has tabs for "Files" (selected) and "Tasks". Below the tabs are several action buttons: Launch, Upload, Download, Copy, Move, Rename, Compress, Uncompress, and Delete. A "More..." button is also available.

A red box highlights the "Active Filters" section, which contains a filter for "Name: like freesurfer_license". Another red box highlights the message "2 files currently selected (select all, clear)".

The file list table has columns: Filename, File Type, Owner, Creation Date, Size, Tags, Project, Project Access, Provider, and Description. The table shows three entries:

Filename	File Type	Owner	Creation Date	Size	Tags	Project	Project Access	Provider	Description
prioux_freesurfer_license.txt	FreeSurfer License	prioux	2020-12-02	59 bytes		fp-test	Read Only	MainStore	...
prioux_freesurfer_license.txt	Text File	bcaron	2021-12-15	59 bytes		bcaron	Read Only	MainStore	...
freesurfer_license.txt	Text File	bcaron	2022-10-19	59 bytes	✓ ✓	Caron - BigBrain Research	Read Only	MainStore	...

Synchronization symbols at the bottom include: ✓: InSync, *: ProvNewer, ..: CacheNewer, ✘: Corrupted, ↴: ToCache, ↤: ToProvider.

Launch BigBrainWarp (Exercise 2)

The screenshot shows the NeuroHub interface with the cbrain - All - Files page open. A search bar at the top contains the text "Search: bigbrain". A modal window titled "Select Tool" is displayed, containing a search input field with the same text. The results list shows "BigBrainWarp" under the "Tools:" section. The "Server & Version:" dropdown is set to "August-2022". Below the dropdown, a button labeled "Launch BigBrainWarp" is highlighted with a red box. To the right of the modal, there is a sidebar with a "Select Access" table and a "Provider" section.

Search for anything

Search: bigbrain

Tools:

BigBrainWarp

Tags: neuroinformatics

Server & Version:

August-2022

Last wait time: 25 seconds (instant)

(This happened 11 minutes and 48 seconds ago) [more info](#)

Launch BigBrainWarp

25 per page.

Select Access	Provider	Description	...
Only	MainStore		...
Only	MainStore		...
Only	MainStore		...

Provider

Launch BigBrainWarp (Exercise 2)

Task Control: (show/hide)

Server & Version: August-2022

Save results to: MainStore

Owner: bcaron (Bryan Caron)

Project: Caron - BigBrain Research

Description: (This first line should be a short summary, and the rest are your notes)

Task Parameters (Help) :

Input space (--in_space) (--in_space) *: icbm

Output space (--out_space) (--out_space) *: bigbrainsym

Descriptor of input (--desc) *: Bryan-BigBrainWarp-Test-20221024-200

Freesurfer license *: freesurfer_license.txt

Inputs Requires either in_vol, or in_lh and in_rh

Input volume (--in_vol) (--in_vol): full8_200um_optbal.mnc

Input left hemisphere (--in_lh) (--in_lh)

Input right hemisphere (--in_rh) (--in_rh)

Extra parameters

Extra arguments

Start BigBrainWarp

Monitor BigBrainWarp (Exercise 3)

The screenshot shows the cbrain interface for monitoring tasks. At the top, there's a navigation bar with links like NeuroHub, Dashboard, My Account, Projects, Messages (11), Resources, Support Forum, and a sign-in status. Below the header, a green banner says "Launching a BigBrainWarp task in background." Underneath, there are several filter buttons: Update Attributes, For Failed Tasks, For Completed Tasks, Terminating And Cleaning Up, Archiving, and Filters. A note indicates "Active Filters (clear) Type: BigBrainWarp". The main area displays a table of tasks with columns: Task Type, Version, Description, Owner, Project, Execution Server, Current Status, Run Number, Workdir Size, Time Submitted, and Last Updated. There are four entries for BigBrainWarp tasks, all completed. The last entry, which is highlighted with a red box, has a "New" status in the Current Status column. The total task space used is listed as 812.0 MB. At the bottom, there's a note about workdir archiving status symbols and links to Powered by CBrain and Credits.

Task Type	Version	Description	Owner	Project	Execution Server	Current Status	Run Number	Workdir Size	Time Submitted	Last Updated
BigBrainWarp	August-2022	bcaron	bcaron	Converter-2	Completed	1	95.3 MB	2022-10-20 11:44:01 EDT	2022-10-20 11:47:31 EDT	...
BigBrainWarp	August-2022	bcaron	bcaron	Converter-2	Completed	1	95.3 MB	2022-10-20 11:48:15 EDT	2022-10-20 11:51:49 EDT	...
BigBrainWarp	August-2022	bcaron	Caron - BigBrain Research	Converter-2	Completed	1	621.4 MB	2022-10-20 14:21:06 EDT	2022-10-20 14:25:12 EDT	...
BigBrainWarp	August-2022	bcaron	Caron - BigBrain Research	Converter-2	New	1		2022-10-20 14:34:37 EDT	2022-10-20 14:34:37 EDT	...

Monitor BigBrainWarp (Exercise 3)

NeuroHub Dashboard My Account Projects Messages (11) Resources Support Forum Rev: 6.2.0-281 (last updated 0m ago) Logged in as Bryan Caron Sign out

cbrain - All - Tasks

Files Tasks

Update Attributes For Failed Tasks For Completed Tasks Terminating And Cleaning Up Archiving Filters

Active Filters (clear) Project: Caron - BigBrain Research Type: BigBrainWarp

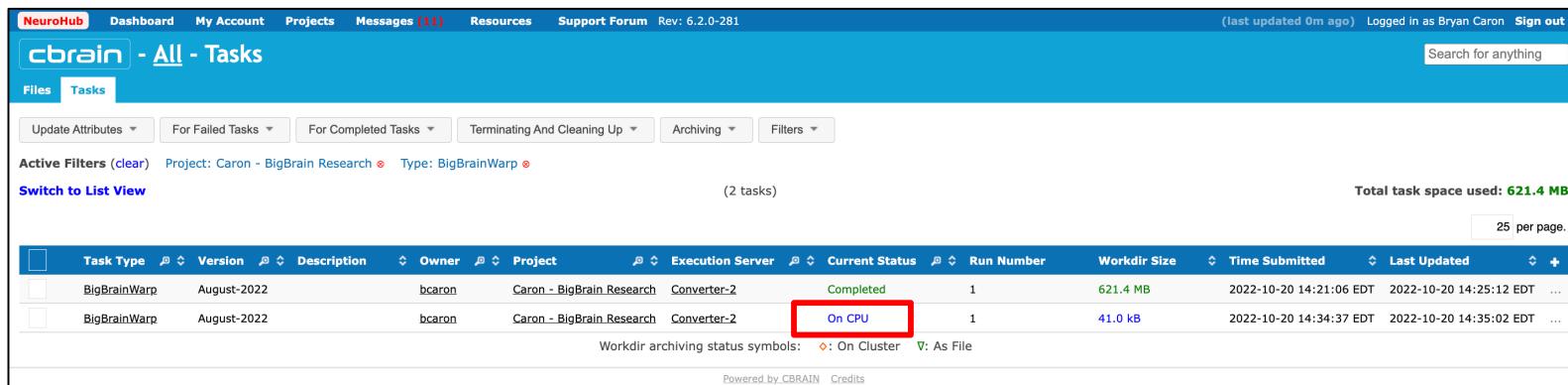
Switch to List View (2 tasks) Total task space used: 621.4 MB

25 per page.

Task Type	Version	Description	Owner	Project	Execution Server	Current Status	Run Number	Workdir Size	Time Submitted	Last Updated	...
BigBrainWarp	August-2022	bcaron	Caron - BigBrain Research	Converter-2	Completed	1	621.4 MB	2022-10-20 14:21:06 EDT	2022-10-20 14:25:12 EDT	...	
BigBrainWarp	August-2022	bcaron	Caron - BigBrain Research	Converter-2	On CPU	1	41.0 kB	2022-10-20 14:34:37 EDT	2022-10-20 14:35:02 EDT	...	

Workdir archiving status symbols: : On Cluster V: As File

Powered by CBRAN Credits



NeuroHub Dashboard My Account Projects Messages (11) Resources Support Forum Rev: 6.2.0-281 (last updated 0m ago) Logged in as Bryan Caron Sign out

cbrain - All - Tasks

Files Tasks

Task BigBrainWarp Completed Successfully. System 2022-10-20 14:38:10 EDT Mark as Read Delete

Update Attributes For Failed Tasks For Completed Tasks Terminating And Cleaning Up Archiving Filters

Active Filters (clear) Project: Caron - BigBrain Research Type: BigBrainWarp

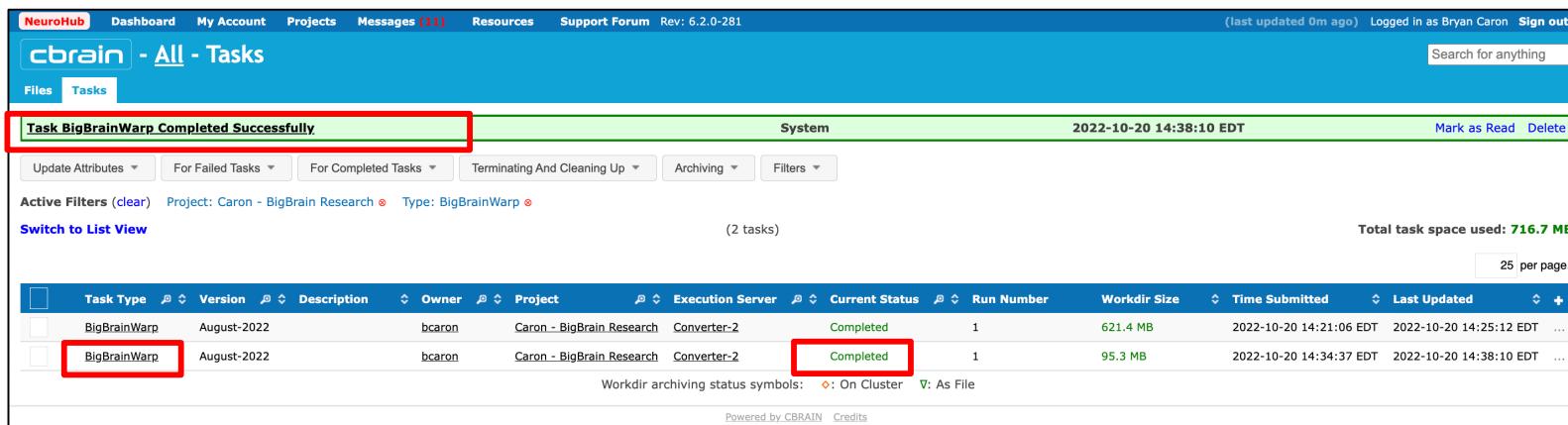
Switch to List View (2 tasks) Total task space used: 716.7 MB

25 per page.

Task Type	Version	Description	Owner	Project	Execution Server	Current Status	Run Number	Workdir Size	Time Submitted	Last Updated	...
BigBrainWarp	August-2022	bcaron	Caron - BigBrain Research	Converter-2	Completed	1	621.4 MB	2022-10-20 14:21:06 EDT	2022-10-20 14:25:12 EDT	...	
BigBrainWarp	August-2022	bcaron	Caron - BigBrain Research	Converter-2	Completed	1	95.3 MB	2022-10-20 14:34:37 EDT	2022-10-20 14:38:10 EDT	...	

Workdir archiving status symbols: : On Cluster V: As File

Powered by CBRAN Credits



Explore Output (Exercise 4)

Info			
Task Name:	BigBrainWarp	Task Description:	
Execution Server:	Converter-2	Owner:	bcaron
Tool Version:	August-2022	Project:	Caron - BigBrain Research
Current Status:	Completed	Time Submitted:	2022-10-20 14:34:37 EDT
Run number:	1	Last Updated:	2022-10-20 14:38:10 EDT
Data Provider For Results:	MainStore	Zenodo Publication:	None.
Size of Work Directory:	95.3 MB	Archiving Status:	(Not archived)

Explore Output (Exercise 4)

Info

Task Name:	BigBrainWarp	Task Description:	
Execution Server:	Converter-2	Owner:	bcaron
Tool Version:	August-2022	Project:	Caron - BigBrain Research
Current Status:	Completed	Time Submitted:	2022-10-20 14:34:37 EDT
Run number:	1	Last Updated:	2022-10-20 14:38:10 EDT
Data Provider For Results:	MainStore	Zenodo Publication:	None.
Size of Work Directory:	95.3 MB	Archiving Status:	(Not archived)

Parameters

Summary	Raw
Parameters	
Input space (-in_space)	icbm
Output space (-out_space)	bigbrainSym
Descriptor of input	Bryan-BigBrainWarp-Test-20221024-200
Interpolation method (-interp)	
Output type (-out_type)	
Output type (-out_type)	
Input files	
Freesurfer license	freesurfer_license.txt
Input volume (-in_vol)	full8_200um_optbal.mnc
Input left hemisphere (-in_lh)	(None)
Input right hemisphere (-in_rh)	(None)
Output files	
Output directory	bigbrainwarp-results-2112746-1

Processing Log

```
[2022-10-20 14:34:37 EDT] BoutiquesTask::BigBrainWarp revision e4750b5f Natacha Beck 2022-10-20
[2022-10-20 14:34:36 EDT] new() cbrain_task.rb rev. ba92b49d
[2022-10-20 14:34:36 EDT] new() portal_task.rb rev. 05478d81
[2022-10-20 14:34:36 EDT] Cluster Job's Captured Output
[2022-10-20 14:34:36 EDT] Standard Out Standard Error
[2022-10-20 14:34:36 EDT] CBRain Task Starting At 1666290891 : 2022-10-20 14:34:51
[2022-10-20 14:34:36 EDT] Input parameters:
[2022-10-20 14:34:36 EDT]   --in_space : icbm
[2022-10-20 14:34:36 EDT]   --out_space : bigbrainSym
[2022-10-20 14:34:36 EDT]   --bb_space : sym
[2022-10-20 14:34:36 EDT]   --wd : bigbrainwarp-results
[2022-10-20 14:34:36 EDT]   --desc : Bryan-BigBrainWarp-Test-20221024-200
[2022-10-20 14:34:36 EDT]   --in_vol : full8_200um_optbal.mnc
[2022-10-20 14:34:36 EDT]   --in_lh :
[2022-10-20 14:34:36 EDT]   --in_rb :
[2022-10-20 14:34:36 EDT]   --interp : trilinear
[2022-10-20 14:34:36 EDT]   --out_type : volume
[2022-10-20 14:34:36 EDT]   --out_den :
[2022-10-20 14:34:36 EDT]   --out_res : 1
[2022-10-20 14:34:36 EDT] minc image, continuing to transformation
[2022-10-20 14:34:36 EDT] Using s-form transform:
[2022-10-20 14:34:36 EDT]   1.0000, 0.0000, 0.0000, -97.7500,
[2022-10-20 14:34:36 EDT]   0.0000, 1.0000, 0.0000, -133.7500,
[2022-10-20 14:34:36 EDT]   0.0000, 0.0000, 1.0000, -71.7500,
[2022-10-20 14:34:36 EDT]   0.0000, 0.0000, 0.0000, 1.0000,
[2022-10-20 14:34:36 EDT]   xspace start: -97.7500 step: 1.0000 cosines: 1.0000 0.0000 0.0000 flip: 0
[2022-10-20 14:34:36 EDT]   yspace start: -133.7500 step: 1.0000 cosines: 0.0000 1.0000 0.0000 flip: 0
[2022-10-20 14:34:36 EDT]   zspace start: -71.7500 step: 1.0000 cosines: 0.0000 0.0000 1.0000 flip: 0
[2022-10-20 14:34:36 EDT] transform to BigBrainSym
[2022-10-20 14:34:36 EDT] employed nonlinear transformation from icbm to bigbrain
[2022-10-20 14:34:36 EDT] CBRain Task Ending With Status 0 After 195 seconds, at 1666291086 : 2022-10-20 14:38:06
[2022-10-20 14:34:36 EDT] CBRain Task CPU Times Start
[2022-10-20 14:34:36 EDT]   0m0.003s 0m0.003s
[2022-10-20 14:34:36 EDT]   1m20.520s 1m51.777s
[2022-10-20 14:34:36 EDT] CBRain Task CPU Times End
[2022-10-20 14:34:36 EDT] CBRain Task Exiting
```

Explore Output (Exercise 4)

Info ([Edit](#))

Name:	bigbrainwarp-results-2112746-1	Created at:	2022-10-20 14:38:09 EDT (1 minute and 40 seconds ago)
Type:	File Collection	Modified at:	2022-10-20 14:38:10 EDT (1 minute and 39 seconds ago)
Size:	95.3 MB (3 files) = 95262415 bytes	Data Provider:	MainStore (EnCbrainSmartDataProvider) Cached: ✓ ✓
Owner:	bcaron	Project:	Caron - BigBrain Research
Tags:	Project permission on file: Read		
Hidden file:	<input type="checkbox"/> H	Immutable file:	<input type="checkbox"/> I
Zenodo Publication:	None.		
Parent:	freesurfer_license.txt		
Description:			

[prioux_freesurfer_license.txt >>](#)

Content

File	DL	Size
<input type="checkbox"/> tmp_ref.mnc	DL	8.7 MB
<input type="checkbox"/> tpl-bigbrain_desc-Bryan-BigBrainWarp-Test-20221024-200_sym.mnc	DL	8.7 MB
<input type="checkbox"/> tpl/icbm_desc-Bryan-BigBrainWarp-Test-20221024-200.mnc	DL	77.9 MB

[Extract Files from Collection](#)

Explore Output (Exercise 4)

Info (Edit)

Name: bigbrainwarp-results-2112746-1 **Created at:** 2022-10-20 14:38:09 EDT (1 minute and 40 seconds ago)
Type: File Collection **Modified at:** 2022-10-20 14:38:10 EDT (1 minute and 39 seconds ago)
Size: 95.3 MB (3 files) = 95262415 bytes **Data Provider:** MainStore (EnCbrainSmartDataProvider) Cached: ✓✓
Owner: bcaron **Project:** Caron - BigBrain Research
Tags:
Hidden file: H **Immutable file:** I
Zenodo Publication: None.
Parent: [freesurfer_license.txt](#)
Description:

[prioux_freesurfer_license.txt >>](#)

Content

	File	DL	Size
<input type="checkbox"/>	 tmp_ref.mnc	<input type="checkbox"/>	8.7 MB
<input type="checkbox"/>	 tpl-bigbrain_desc-Bryan-BigBrainWarp-Test-20221024-200_sym.mnc	<input type="checkbox"/>	8.7 MB
<input type="checkbox"/>	 tpl-icbm_desc-Bryan-BigBrainWarp-Test-20221024-200.mnc	<input type="checkbox"/>	77.9 MB

[Extract Files from Collection](#)

Extract Files from Collection

bigbrainwarp-results-2112746-1/tpl-bigbrain_desc-Bryan-BigBrainWarp-Test-20221024-200_sym.mnc



Voxel Coordinates:
I: 94 J: 116 K: 98

World Coordinates:
X: 0.250000 Y: -17.7500 Z: 22.2500

Value: 50115

Color Map: Gray

Threshold:

0 65535

All slices:
Sagittal Coronal Transverse

Launch BigBrainWarp (Optional Exercise 5)

The screenshot shows the NeuroHub interface with the cbrain - CONP-BigBrain - Files page selected. The top navigation bar includes links for NeuroHub, Dashboard, My Account, Projects, Messages (11), Resources, Support Forum, and Sign out. A search bar is located in the top right corner.

The main content area displays a table of files. The table has columns for Filename, File Type, Owner, Creation Date, Size, Tags, Project Access, Provider, Description, and a plus sign icon. The table lists nine entries, all of which are Minc files owned by nhdata and created on 2021-01-26. The sizes range from 161.1 MB to 830.3 kB. All files have "Read Only" access and are provided by CONP-BigBrain. The first file, block40-0005-inv.mnc, is highlighted with a red box around its row.

Filename	File Type	Owner	Creation Date	Size	Tags	Project Access	Provider	Description	+
block40-0005-inv.mnc	Minc File	nhdata	2021-01-26	830.3 kB		Read Only	CONP-BigBrain		...
block40-0007-inv.mnc	Minc File	nhdata	2021-01-26	161.1 MB		Read Only	CONP-BigBrain		...
block40-0009-inv.mnc	Minc File	nhdata	2021-01-26	319.8 MB		Read Only	CONP-BigBrain		...
block40-0004-inv.mnc	Minc File	nhdata	2021-01-26	26.2 MB		Read Only	CONP-BigBrain		...
block40-0008-inv.mnc	Minc File	nhdata	2021-01-26	460.6 MB		Read Only	CONP-BigBrain		...
block40-0002-inv.mnc	Minc File	nhdata	2021-01-26	4.4 MB		Read Only	CONP-BigBrain		...
block40-0006-inv.mnc	Minc File	nhdata	2021-01-26	879.8 kB		Read Only	CONP-BigBrain		...
block40-0003-inv.mnc	Minc File	nhdata	2021-01-26	45.1 MB		Read Only	CONP-BigBrain		...
block40-0001-inv.mnc	Minc File	nhdata	2021-01-26	830.3 kB		Read Only	CONP-BigBrain		...

Below the table, there is a note about synchronization symbols: ✓: InSync, *: ProvNewer, .: CacheNewer, ✘: Corrupted, ↴: ToCache, ↑: ToProvider.

At the bottom, it says "Powered by CBRAIN Credits".

Launch BigBrainWarp (Optional Exercise 5)

The screenshot shows the cbrain - CONP-BigBrain - Files interface. The top navigation bar includes NeuroHub, Dashboard, My Account, Projects, Messages (11), Resources, Support Forum, and Rev: 6.2.0-281. The status bar indicates (last updated 0m ago), Logged in as Bryan Caron, and Sign out.

The main area displays a "Quick Project Switcher" sidebar with projects like bcaron Test Project, Caron - BigBrain Research, CBIGR, CBRAIN-Developers, DeformSim, fp-test, Global EEG Norms, HCP_1200_Squash, March 24 Test Project, My Test Project - BRain - RI-MUHC, NeuroHub-UK-Biobank, NH_CBRAIN_training_data, NH_CBRAIN_training_tasks, sergeHBCD, Test Project October 2022, and WorkshopJan2021. A red box highlights the "All (no specific project: see all files and tasks)" link at the bottom of the sidebar.

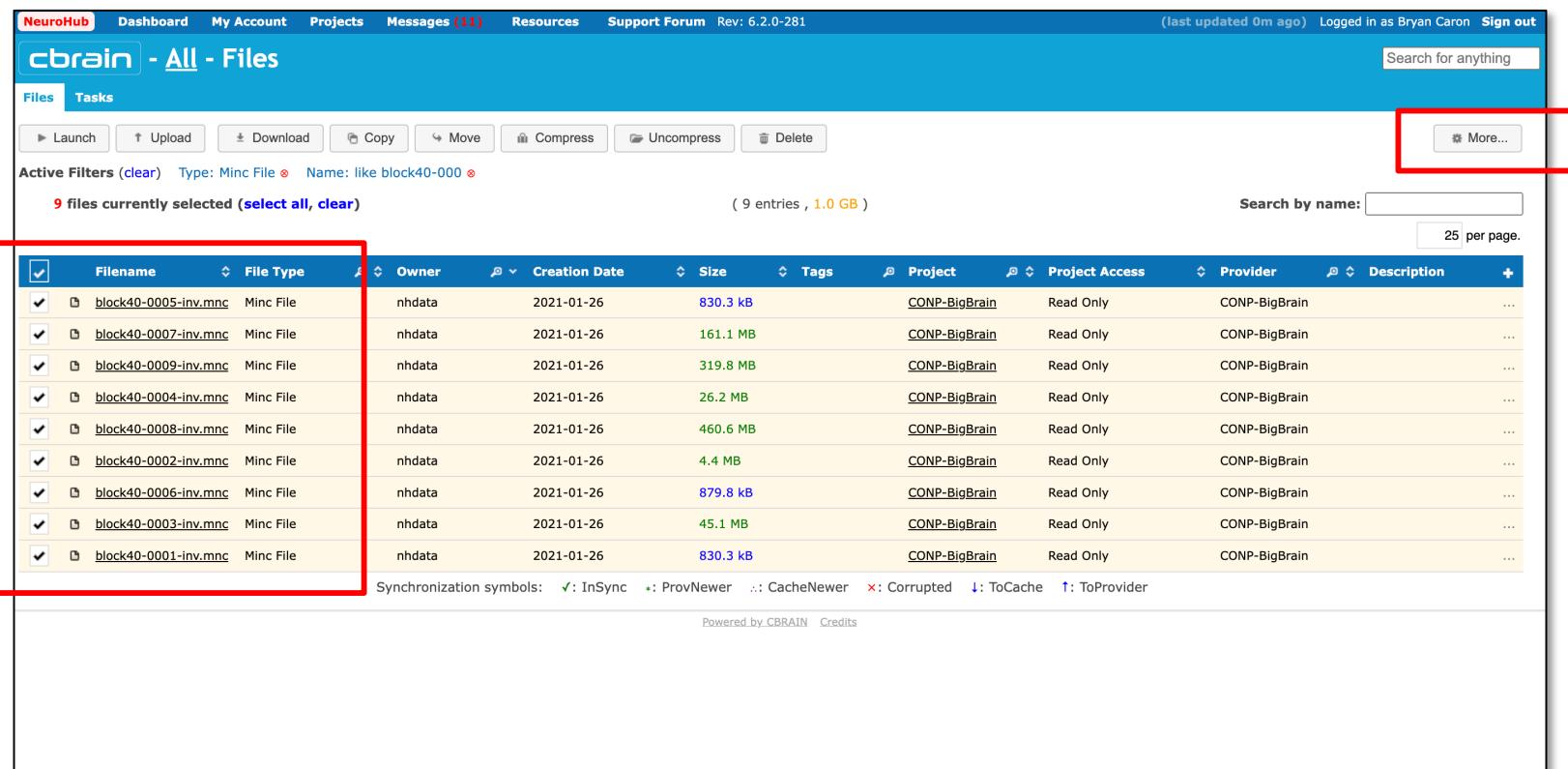
The main content area shows a table of 9 entries totaling 1.0 GB. The columns are Creation Date, Size, Tags, Project Access, Provider, and Description. The table includes rows for various files and tasks, such as "block40-000" and "WorkshopJan2021".

Creation Date	Size	Tags	Project Access	Provider	Description
2021-01-26	830.3 kB		Read Only	CONP-BigBrain	...
2021-01-26	161.1 MB		Read Only	CONP-BigBrain	...
2021-01-26	319.8 MB		Read Only	CONP-BigBrain	...
2021-01-26	26.2 MB		Read Only	CONP-BigBrain	...
2021-01-26	460.6 MB		Read Only	CONP-BigBrain	...
2021-01-26	4.4 MB		Read Only	CONP-BigBrain	...
2021-01-26	879.8 kB		Read Only	CONP-BigBrain	...
2021-01-26	45.1 MB		Read Only	CONP-BigBrain	...
2021-01-26	830.3 kB		Read Only	CONP-BigBrain	...

Legend: ✓: InSync *: ProvNewer -: CacheNewer ✘: Corrupted ⚡: ToCache ↑: ToProvider

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Launch BigBrainWarp (Optional Exercise 5)



The screenshot shows the NeuroHub dashboard with the cbrain - All - Files page open. The page displays a list of 9 selected Minc files, each with its filename, type, owner, creation date, size, tags, project, project access, provider, and a more options button. The 'More...' button is highlighted with a red box. The entire list of files is also highlighted with a red box.

Filename	File Type	Owner	Creation Date	Size	Tags	Project	Project Access	Provider
block40-0005-inv.mnc	Minc File	nhdata	2021-01-26	830.3 kB		CONP-BigBrain	Read Only	CONP-BigBrain
block40-0007-inv.mnc	Minc File	nhdata	2021-01-26	161.1 MB		CONP-BigBrain	Read Only	CONP-BigBrain
block40-0009-inv.mnc	Minc File	nhdata	2021-01-26	319.8 MB		CONP-BigBrain	Read Only	CONP-BigBrain
block40-0004-inv.mnc	Minc File	nhdata	2021-01-26	26.2 MB		CONP-BigBrain	Read Only	CONP-BigBrain
block40-0008-inv.mnc	Minc File	nhdata	2021-01-26	460.6 MB		CONP-BigBrain	Read Only	CONP-BigBrain
block40-0002-inv.mnc	Minc File	nhdata	2021-01-26	4.4 MB		CONP-BigBrain	Read Only	CONP-BigBrain
block40-0006-inv.mnc	Minc File	nhdata	2021-01-26	879.8 kB		CONP-BigBrain	Read Only	CONP-BigBrain
block40-0003-inv.mnc	Minc File	nhdata	2021-01-26	45.1 MB		CONP-BigBrain	Read Only	CONP-BigBrain
block40-0001-inv.mnc	Minc File	nhdata	2021-01-26	830.3 kB		CONP-BigBrain	Read Only	CONP-BigBrain

Launch BigBrainWarp (Optional Exercise 5)

The screenshot shows the NeuroHub interface for the cbrain project. The top navigation bar includes links for NeuroHub, Dashboard, My Account, Projects, Messages (11), Resources, Support Forum, and Sign out. The main title is "cbrain - All - Files". Below the title, there are buttons for Launch, Upload, Download, Copy, Move, Compress, Uncompress, and Delete. A search bar is also present.

Active Filters (clear) Type: Minc File Name: like block40-000

9 files currently selected (select all, clear) (9 entries , 1.0 GB) Search by

Filename	File Type	Owner	Creation Date	Size	Tags	Project	Project Access	Provider
block40-0005-inv.mnc	Minc File	nhdata	2021-01-26	830.3 kB		CONP-BigBrain	Read Only	CONP-BigBrain
block40-0007-inv.mnc	Minc File	nhdata	2021-01-26	161.1 MB		CONP-BigBrain	Read Only	CONP-BigBrain
block40-0009-inv.mnc	Minc File	nhdata	2021-01-26	319.8 MB		CONP-BigBrain	Read Only	CONP-BigBrain
block40-0004-inv.mnc	Minc File	nhdata	2021-01-26	26.2 MB		CONP-BigBrain	Read Only	CONP-BigBrain
block40-0008-inv.mnc	Minc File	nhdata	2021-01-26	460.6 MB		CONP-BigBrain	Read Only	CONP-BigBrain
block40-0002-inv.mnc	Minc File	nhdata	2021-01-26	4.4 MB		CONP-BigBrain	Read Only	CONP-BigBrain
block40-0006-inv.mnc	Minc File	nhdata	2021-01-26	879.8 kB		CONP-BigBrain	Read Only	CONP-BigBrain
block40-0003-inv.mnc	Minc File	nhdata	2021-01-26	45.1 MB		CONP-BigBrain	Read Only	CONP-BigBrain
block40-0001-inv.mnc	Minc File	nhdata	2021-01-26	830.3 kB		CONP-BigBrain	Read Only	CONP-BigBrain

Synchronization symbols: ✓: InSync •: ProvNewer ..: CacheNewer ✘: Corrupted ↴: ToCache ↑: ToProvider

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Custom filters
Tags
Properties
Quality control
Synchronize
Mark as newer
New collection
Export as CSV
Create a file list
Show only my files
Show hidden files
Tree view

Launch BigBrainWarp (Optional Exercise 5)

Content
Change view: CBRAIN File List

This type of file contains a list of other CBRAIN files that can be used as input or output to tasks within CBRAIN. **The only information that the system cares about are the file IDs in the first column;** the other columns are normally repeats of the information already recorded within CBRAIN for each of these IDs. It is possible that the information will not match, if the file has been manually edited for instance.

The content of this list is stored as a standard CSV file in plain text. In the table below, the names of the files are repeated: the first one is the name as known within CBRAIN, and the second one is whatever name was in the CSV file (which can be missing or wrong).

(9 files in this list)

ID	Name	Size	Type	Data Provider	User	Project
3346260 : (None)	block40-0005-inv.mnc	830276	MincFile	CONP-BigBrain	nhdata	CONP-BigBrain
3346389 : (None)	block40-0007-inv.mnc	161143745	MincFile	CONP-BigBrain	nhdata	CONP-BigBrain
3346407 : (None)	block40-0009-inv.mnc	319827167	MincFile	CONP-BigBrain	nhdata	CONP-BigBrain
3346431 : (None)	block40-0004-inv.mnc	26235585	MincFile	CONP-BigBrain	nhdata	CONP-BigBrain
3346488 : (None)	block40-0008-inv.mnc	460580534	MincFile	CONP-BigBrain	nhdata	CONP-BigBrain
3346593 : (None)	block40-0002-inv.mnc	4389061	MincFile	CONP-BigBrain	nhdata	CONP-BigBrain
3346594 : (None)	block40-0006-inv.mnc	879806	MincFile	CONP-BigBrain	nhdata	CONP-BigBrain
3346605 : (None)	block40-0003-inv.mnc	45119876	MincFile	CONP-BigBrain	nhdata	CONP-BigBrain
3346783 : (None)	block40-0001-inv.mnc	830276	MincFile	CONP-BigBrain	nhdata	CONP-BigBrain

NeuroHub Dashboard My Account Projects Messages (12) Resources Support Forum Rev: 6.2.0-281 (last updated 1m ago) Logged in as Bryan Caron Sign out

cbrain - Caron - BigBrain Research - Files

Files Tasks

▶ Launch ⌂ Upload ⌂ Download ⌂ Copy ⌂ Move ⌂ Compress ⌂ Uncompress ⌂ Delete More...
2 files currently selected (select all, clear) (3 entries , 95.3 MB) Search by name: 25 per page.

Filename	File Type	Owner	Creation Date	Size	Tags	Project Access	Provider	Description	...
<input checked="" type="checkbox"/> freesurfer_license.txt ✓ ✓	Text File	bcaron	2022-10-19	59 bytes		Read Only	MainStore		...
<input type="checkbox"/> bigbrainwarp-results-2112746-1 ✓ ✓	File Collection	bcaron	2022-10-20	95.3 MB (3 files)		Read Only	MainStore		...
<input checked="" type="checkbox"/> file_list.7052.166630032.csv ✓	CBRAIN List of files	bcaron	2022-10-20	824 bytes		Read Only	MainStore		...

Synchronization symbols: ✓: InSync *: ProvNewer ..: CacheNewer ✘: Corrupted ↴: ToCache ↑: ToProvider

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Launch BigBrainWarp (Optional Exercise 5)

The screenshot shows the cbrain interface with a search result for 'bigbra'. A red box highlights the 'Launch BigBrainWarp' button in the 'Tools' section of the search results.

NeuroHub Dashboard My Account Projects Messages (12) Resources Support Forum Rev: 6.2.0-281 (last updated 0m ago) Logged in as Bryan Caron Sign out

cbrain - Caron - BigBrain Research - Files

Files Tasks

2 files currently selected (select all, clear)

Filename	File Type
freesurfer_license.txt	Text File
bigbrainwarp-results-2112746-1	File Collection
file_list.7052.1666300032.cbcsv	CBRAIN List of files

Synchronization

Select Tool

Search: bigbra

All tools

Type:

- Anatomical
- Imaging
- Conversion
- System
- DTI
- Genomics
- Functional
- EEG
- scientific
- extraction

Software Package:

- MNI
- FSL
- Experimental
- MincToolkit
- CBRAIN
- FreeSurfer
- QEEGt

Tags:

- minc
- maz

Tools:

BigBrainWarp
Tags: neuroinformatics
Server & Version:
August-2022
Launch BigBrainWarp
Launch in New Tab (instant)
(This happened 2 hours and 36 minutes ago) [more info](#)

Search by name: More... 25 per page.

Provider	Description	...
MainStore	...	
MainStore	...	
MainStore	...	

Launch BigBrainWarp (Optional Exercise 5)

Task Control: (show/hide)

Server & Version: August-2022

Owner: bcaron (Bryan Caron)

Save results to: MainStore (in progress)

Project: Caron - BigBrain Research

Description:

(This first line should be a short summary, and the rest are your notes)

Preset Management: (show/hide)

Task Parameters (Help) :

Input space (--in_space) (--in_space) *
icbm
Space of input data

Output space (--out_space) (--out_space) *
bigbrainsym
Space of output data

Descriptor of input (--desc) *
Bryan-BigBrainWarp-Test-20221024-cbcs
descriptor of input data, which will be used to name the output.

Freesurfer license *
freesurfer_license.txt
To run FreeSurfer a license file must exist and be pointed to. The license can be acquired by filling out this form: <https://surfer.nmr.mgh.harvard.edu/registration.html>.

Inputs
Requires either in_vol, or in_lh and in_rh

Input volume (--in_vol) (--in_vol)
 file_list.7052.1666300032.cbcs
Path to input data, whole brain volume. Permitted formats: mnc, nii or nii.gz

Input left hemisphere (--in_lh) (--in_lh)

Path to input data, left hemisphere surface. Permitted formats: label.gii, annot, shape.gii, curv or txt

Input right hemisphere (--in_rh) (--in_rh)

Path to input data, right hemisphere surface. Permitted formats: label.gii, annot, shape.gii, curv or txt

Extra parameters
Extra arguments

Start BigBrainWarp

Monitor BigBrainWarp (Optional Exercise 5)

The screenshot shows the 'Tasks' tab of the cbrain interface. A red box highlights a green banner at the top stating 'Launching 9 BigBrainWarp tasks in background.' Below this, another red box highlights the '9 x New' status in the 'Current Status' column of the task list.

Task Type	Version	Description	Owner	Execution Server	Current Status	Run Number	Workdir Size	Time Submitted	Last Updated	...
BigBrainWarp	August-2022	bcaron	Converter-2	Completed	1	621.4 MB	2022-10-20 14:21:06 EDT	2022-10-20 14:25:12 EDT	...	
BigBrainWarp	August-2022	bcaron	Converter-2	Completed	1	95.3 MB	2022-10-20 14:34:37 EDT	2022-10-20 14:38:10 EDT	...	
+ BigBrainWarp	August-2022	bcaron	Converter-2	9 x New		0 bytes	2022-10-20 17:12:58 EDT	2022-10-20 17:12:58 EDT	...	

Monitor BigBrainWarp (Optional Exercise 5)

The screenshot shows a list of tasks on the cbrain platform. The tasks are filtered by type: BigBrainWarp. There are 11 tasks listed:

Task Type	Version	Description	Owner	Execution Server	Current Status	Run Number	Workdir Size	Time Submitted	Last Updated	...
BigBrainWarp	August-2022	bcaron	Converter-2	Completed	1	621.4 MB	2022-10-20 14:21:06 EDT	2022-10-20 14:25:12 EDT	...	
BigBrainWarp	August-2022	bcaron	Converter-2	Completed	1	95.3 MB	2022-10-20 14:34:37 EDT	2022-10-20 14:38:10 EDT	...	
+ BigBrainWarp	August-2022	bcaron	Converter-2	9 x On CPU		356.4 kB	2022-10-20 17:12:58 EDT	2022-10-20 17:13:26 EDT	...	

A red box highlights the '9 x On CPU' status for the last task in the list.

Monitor BigBrainWarp (Optional Exercise 5)

NeuroHub Dashboard My Account Projects Messages (11) Resources Support Forum Rev: 6.2.0-281 (last updated 0m ago) Logged in as Bryan Caron Sign out

cbrain - Caron - BigBrain Research - Tasks

Files Tasks

Update Attributes For Failed Tasks For Completed Tasks Terminating And Cleaning Up Archiving Filters

Active Filters (clear) Type: BigBrainWarp

Switch to List View (11 tasks) Total task space used: 717.0 MB

25 per page.

Task Type	Version	Description	Owner	Execution Server	Current Status	Run Number	Workdir Size	Time Submitted	Last Updated	...
BigBrainWarp	August-2022	bcaron	Converter-2	Completed	1	621.4 MB	2022-10-20 14:21:06 EDT	2022-10-20 14:25:12 EDT	...	
BigBrainWarp	August-2022	bcaron	Converter-2	Completed	1	95.3 kB	2022-10-20 14:34:37 EDT	2022-10-20 14:38:10 EDT	...	
- BigBrainWarp	August-2022	bcaron	Converter-2	9 x On CPU		356.4 kB	2022-10-20 17:12:58 EDT	2022-10-20 17:13:26 EDT	...	
↳ BigBrainWarp	August-2022	bcaron	Converter-2	On CPU	1	36.9 kB	2022-10-20 17:12:58 EDT	2022-10-20 17:13:16 EDT	...	
↳ BigBrainWarp	August-2022	bcaron	Converter-2	On CPU	1	41.0 kB	2022-10-20 17:12:58 EDT	2022-10-20 17:13:16 EDT	...	
↳ BigBrainWarp	August-2022	bcaron	Converter-2	On CPU	1	36.9 kB	2022-10-20 17:12:58 EDT	2022-10-20 17:13:16 EDT	...	
↳ BigBrainWarp	August-2022	bcaron	Converter-2	On CPU	1	41.0 kB	2022-10-20 17:12:58 EDT	2022-10-20 17:13:26 EDT	...	
↳ BigBrainWarp	August-2022	bcaron	Converter-2	On CPU	1	36.9 kB	2022-10-20 17:12:58 EDT	2022-10-20 17:13:15 EDT	...	
↳ BigBrainWarp	August-2022	bcaron	Converter-2	On CPU	1	41.0 kB	2022-10-20 17:12:58 EDT	2022-10-20 17:13:15 EDT	...	
↳ BigBrainWarp	August-2022	bcaron	Converter-2	On CPU	1	41.0 kB	2022-10-20 17:12:58 EDT	2022-10-20 17:13:16 EDT	...	
↳ BigBrainWarp	August-2022	bcaron	Converter-2	On CPU	1	41.0 kB	2022-10-20 17:12:58 EDT	2022-10-20 17:13:15 EDT	...	
↳ BigBrainWarp	August-2022	bcaron	Converter-2	On CPU	1	41.0 kB	2022-10-20 17:12:58 EDT	2022-10-20 17:13:15 EDT	...	

Workdir archiving status symbols: ◊: On Cluster □: As File

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Monitor BigBrainWarp (Optional Exercise 5)

NeuroHub Dashboard My Account Projects Messages (11) Resources Support Forum Rev: 6.2.0-281 (last updated 0m ago) Logged in as Bryan Caron Sign out

cbrain - Caron - BigBrain Research - Tasks

Files Tasks

Task BigBrainWarp Completed Successfully System 2022-10-20 17:17:11 EDT Mark as Read Delete

Update Attributes Filter Failed Tasks Filter Completed Tasks Terminating And Cleaning Up Archiving Filters

Active Filters (clear) Type: BigBrainWarp

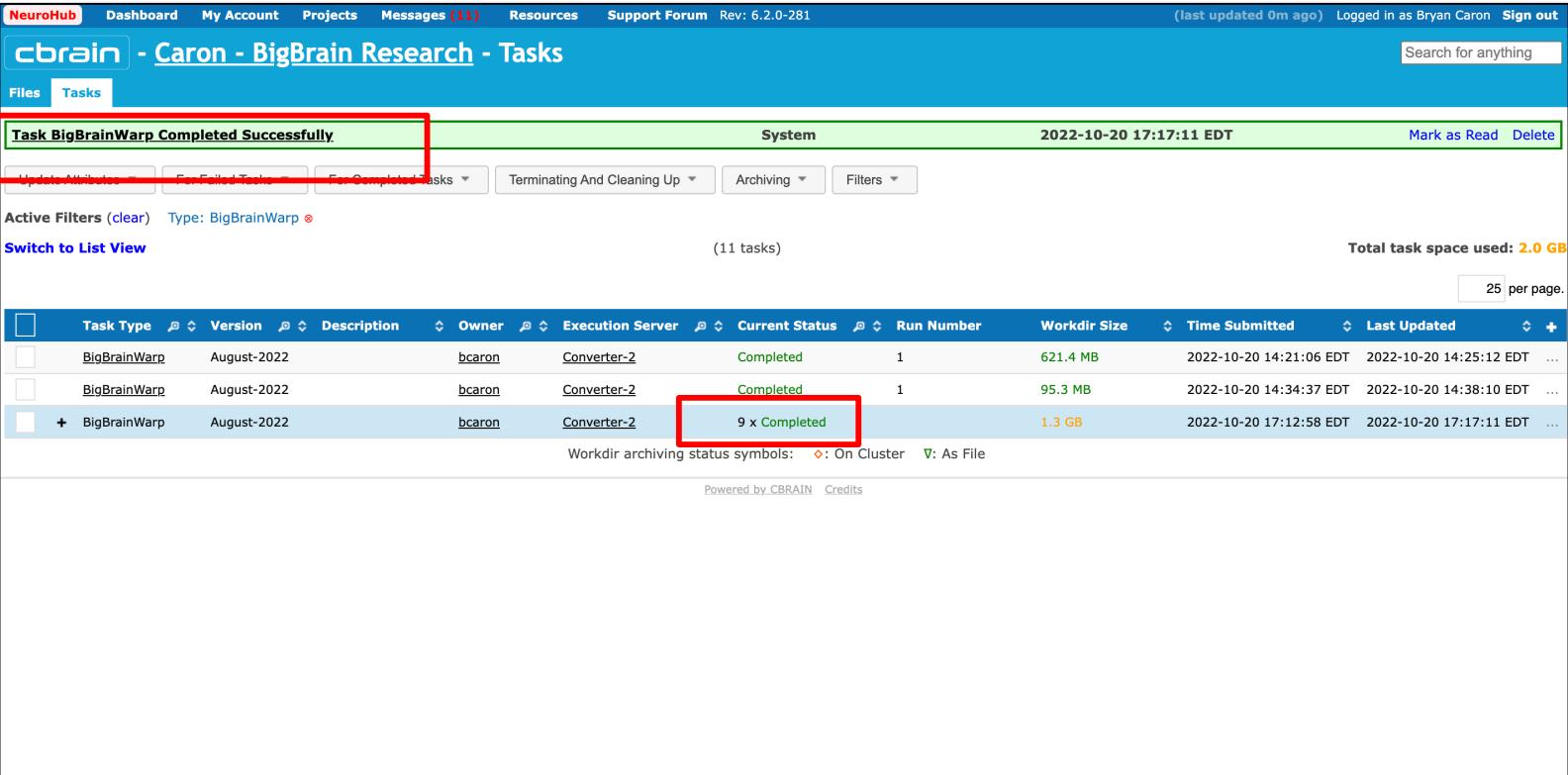
Switch to List View (11 tasks) Total task space used: 2.0 GB

25 per page.

Task Type	Version	Description	Owner	Execution Server	Current Status	Run Number	Workdir Size	Time Submitted	Last Updated	...
BigBrainWarp	August-2022	bcaron	Converter-2	Completed	1	621.4 MB	2022-10-20 14:21:06 EDT	2022-10-20 14:25:12 EDT	...	
BigBrainWarp	August-2022	bcaron	Converter-2	Completed	1	95.3 MB	2022-10-20 14:34:37 EDT	2022-10-20 14:38:10 EDT	...	
+ BigBrainWarp	August-2022	bcaron	Converter-2	9 x Completed		1.3 GB	2022-10-20 17:12:58 EDT	2022-10-20 17:17:11 EDT	...	

Workdir archiving status symbols: ◊: On Cluster ◊: As File

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Task Type	Version	Description	Owner	Execution Server	Current Status	Run Number	Workdir Size	Time Submitted	Last Updated	...
BigBrainWarp	August-2022	bcaron	Converter-2	Completed	1	621.4 MB	2022-10-20 14:21:06 EDT	2022-10-20 14:25:12 EDT	...	
BigBrainWarp	August-2022	bcaron	Converter-2	Completed	1	95.3 MB	2022-10-20 14:34:37 EDT	2022-10-20 14:38:10 EDT	...	
+ BigBrainWarp	August-2022	bcaron	Converter-2	9 x Completed		1.3 GB	2022-10-20 17:12:58 EDT	2022-10-20 17:17:11 EDT	...	

Monitor BigBrainWarp (Optional Exercise 5)

The screenshot shows the CBRAIN interface for monitoring tasks. The top navigation bar includes NeuroHub, Dashboard, My Account, Projects, Messages (11), Resources, Support Forum, and a sign-in status. The main title is "cbrain - Caron - BigBrain Research - Tasks". A red box highlights the "Tasks" tab. Below the title, a message says "Task BigBrainWarp Completed Successfully". The system status is "System" and the date is "2022-10-20 17:17:11 EDT". There are buttons for "Mark as Read" and "Delete".

Active Filters (clear) Type: BigBrainWarp

Switch to List View (11 tasks) Total task space used: 2.0 GB

25 per page.

Task Type	Version	Description	Owner	Execution Server	Current Status	Run Number	Workdir Size	Time Submitted	Last Updated	...
BigBrainWarp	August-2022	bcaron	Converter-2	Completed	1	621.4 MB	2022-10-20 14:21:06 EDT	2022-10-20 14:25:12 EDT	...	
BigBrainWarp	August-2022	bcaron	Converter-2	Completed	1	95.3 MB	2022-10-20 14:34:37 EDT	2022-10-20 14:38:10 EDT	...	
- BigBrainWarp	August-2022	bcaron	Converter-2	9 x Completed		1.3 GB	2022-10-20 17:12:58 EDT	2022-10-20 17:17:11 EDT	...	
↳ BigBrainWarp	August-2022	bcaron	Converter-2	Completed	1	26.9 MB	2022-10-20 17:12:58 EDT	2022-10-20 17:17:02 EDT	...	
↳ BigBrainWarp	August-2022	bcaron	Converter-2	Completed	1	187.2 MB	2022-10-20 17:12:58 EDT	2022-10-20 17:17:09 EDT	...	
↳ BigBrainWarp	August-2022	bcaron	Converter-2	Completed	1	345.9 MB	2022-10-20 17:12:58 EDT	2022-10-20 17:17:11 EDT	...	
↳ BigBrainWarp	August-2022	bcaron	Converter-2	Completed	1	52.3 MB	2022-10-20 17:12:58 EDT	2022-10-20 17:17:09 EDT	...	
↳ BigBrainWarp	August-2022	bcaron	Converter-2	Completed	1	486.7 MB	2022-10-20 17:12:58 EDT	2022-10-20 17:17:07 EDT	...	
↳ BigBrainWarp	August-2022	bcaron	Converter-2	Completed	1	30.5 MB	2022-10-20 17:12:58 EDT	2022-10-20 17:17:11 EDT	...	
↳ BigBrainWarp	August-2022	bcaron	Converter-2	Completed	1	27.0 MB	2022-10-20 17:12:58 EDT	2022-10-20 17:17:04 EDT	...	
↳ BigBrainWarp	August-2022	bcaron	Converter-2	Completed	1	71.2 MB	2022-10-20 17:12:58 EDT	2022-10-20 17:17:03 EDT	...	
↳ BigBrainWarp	August-2022	bcaron	Converter-2	Completed	1	26.9 MB	2022-10-20 17:12:58 EDT	2022-10-20 17:17:03 EDT	...	

Workdir archiving status symbols: ◊: On Cluster ◊: As File

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Monitor BigBrainWarp (Optional Exercise 5)

NeuroHub Dashboard My Account Projects Messages (11) Resources Support Forum Rev: 6.2.0-281 (last updated 0m ago) Logged in as Bryan Caron Sign out

cbrain - Caron - BigBrain Research - Files

Files Tasks

Launch Upload Download Copy Move Compress Uncompress Delete More... Search for anything

2 files currently selected (select all, clear) (12 entries , 1.3 GB) Search by name: 25 per page.

Filename	File Type	Owner	Creation Date	Size	Tags	Project Access	Provider	Description	+
<input checked="" type="checkbox"/> freesurfer_license.txt ✓ ✓	Text File	bcaron	2022-10-19	59 bytes		Read Only	MainStore	...	
<input type="checkbox"/> bigbrainwarp-results-2112746-1 ✓ ✓	File Collection	bcaron	2022-10-20	95.3 MB (3 files)		Read Only	MainStore	...	
<input checked="" type="checkbox"/> file_list.7052.1666300032.cbcsv ✓	CBRAIN List of files	bcaron	2022-10-20	824 bytes		Read Only	MainStore	...	
<input type="checkbox"/> bigbrainwarp-results-2112752-1 ✓ ✓	File Collection	bcaron	2022-10-20	26.9 MB (3 files)		Read Only	MainStore	...	
<input type="checkbox"/> bigbrainwarp-results-2112776-1 ✓	File Collection	bcaron	2022-10-20	26.9 MB (3 files)		Read Only	MainStore	...	
<input type="checkbox"/> bigbrainwarp-results-2112773-1 ✓	File Collection	bcaron	2022-10-20	71.2 MB (3 files)		Read Only	MainStore	...	
<input type="checkbox"/> bigbrainwarp-results-2112770-1 ✓	File Collection	bcaron	2022-10-20	26.9 MB (3 files)		Read Only	MainStore	...	
<input type="checkbox"/> bigbrainwarp-results-2112764-1 ✓	File Collection	bcaron	2022-10-20	486.6 MB (3 files)		Read Only	MainStore	...	
<input type="checkbox"/> bigbrainwarp-results-2112761-1 ✓	File Collection	bcaron	2022-10-20	52.3 MB (3 files)		Read Only	MainStore	...	
<input type="checkbox"/> bigbrainwarp-results-2112755-1 ✓ ✓	File Collection	bcaron	2022-10-20	187.2 MB (3 files)		Read Only	MainStore	...	
<input type="checkbox"/> bigbrainwarp-results-2112758-1 ✓	File Collection	bcaron	2022-10-20	345.9 MB (3 files)		Read Only	MainStore	...	
<input type="checkbox"/> bigbrainwarp-results-2112767-1 ✓	File Collection	bcaron	2022-10-20	30.4 MB (3 files)		Read Only	MainStore	...	

Synchronization symbols: ✓: InSync •: ProvNewer ∙: CacheNewer ✘: Corrupted ↴: ToCache ↑: ToProvider

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Download the Results (Optional Exercise 6)

Browser view for navigating the project contents and individual file download

The screenshot shows a web-based file management interface for a project titled "Caron - BigBrain Research". The top navigation bar includes links for NeuroHub, Dashboard, My Account, Projects, Messages (11), Resources, Support Forum, and a sign-out link. A search bar is also present.

The main content area displays a table of files. The columns include: Filename, File Type, Owner, Creation Date, Size, Tags, Project Access, Provider, and Description. The table lists 12 entries, totaling 1.3 GB. Several files are selected, indicated by checked checkboxes in the first column.

Filename	File Type	Owner	Creation Date	Size	Tags	Project Access	Provider	Description
freesurfer_license.txt	Text File	bcaron	2022-10-19	59 bytes		Read Only	MainStore	...
bigbrainwarp-results-2112746-1	File Collection	bcaron	2022-10-20	95.3 MB (3 files)		Read Only	MainStore	...
file_list.7052.1666300032.cbcsv	CBRAIN List of files	bcaron	2022-10-20	824 bytes		Read Only	MainStore	...
bigbrainwarp-results-2112752-1	File Collection	bcaron	2022-10-20	26.9 MB (3 files)		Read Only	MainStore	...
bigbrainwarp-results-2112776-1	File Collection	bcaron	2022-10-20	26.9 MB (3 files)		Read Only	MainStore	...
bigbrainwarp-results-2112773-1	File Collection	bcaron	2022-10-20	71.2 MB (3 files)		Read Only	MainStore	...
bigbrainwarp-results-2112770-1	File Collection	bcaron	2022-10-20	26.9 MB (3 files)		Read Only	MainStore	...
bigbrainwarp-results-2112764-1	File Collection	bcaron	2022-10-20	486.6 MB (3 files)		Read Only	MainStore	...
bigbrainwarp-results-2112761-1	File Collection	bcaron	2022-10-20	52.3 MB (3 files)		Read Only	MainStore	...
bigbrainwarp-results-2112755-1	File Collection	bcaron	2022-10-20	187.2 MB (3 files)		Read Only	MainStore	...
bigbrainwarp-results-2112758-1	File Collection	bcaron	2022-10-20	345.9 MB (3 files)		Read Only	MainStore	...
bigbrainwarp-results-2112767-1	File Collection	bcaron	2022-10-20	30.4 MB (3 files)		Read Only	MainStore	...

Synchronization symbols at the bottom: ✓: InSync, +: ProvNewer, ..: CacheNewer, ✘: Corrupted, ↴: ToCache, ↑: ToProvider

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Download the Results (Optional Exercise 6)

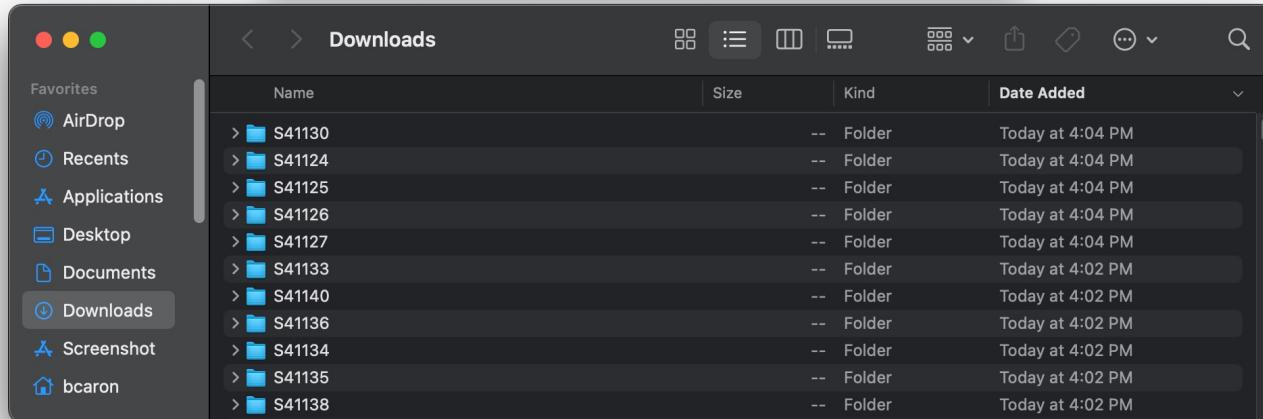
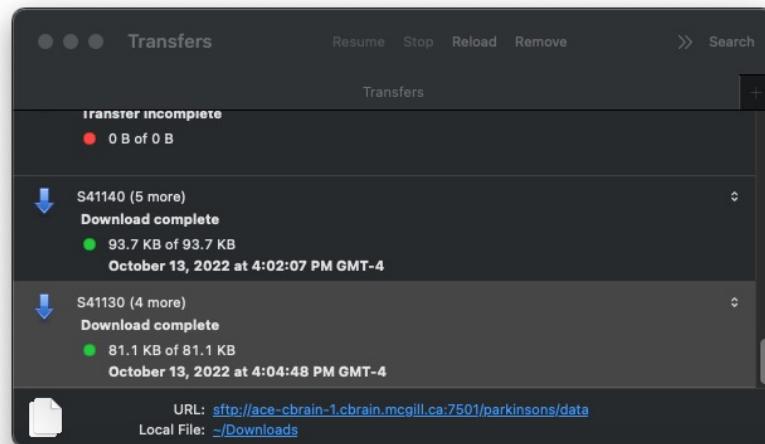
SFTP interface available to NeuroHub project data location for secure file browsing and file transfer (cmd-line, GUI clients)

The image displays four screenshots of the Cyberduck SFTP interface, a graphical user interface for managing files over an SFTP connection. The screenshots are arranged in a 2x2 grid.

- Top Left:** Shows the main interface with a sidebar of bookmarks. A large blue button labeled "Download" is overlaid on the bottom right. The top menu bar includes "Cyberduck", "New Bookmark", "New Folder", "Download", "Upload", "Open Connection", "Action", "Refresh", "Edit", "Search", and "Disconnect".
- Top Right:** Shows a file list in a directory named "/parkinsons". It contains a README file (553 B, modified 2022-05-12, 10:04 PM), a MIP folder (modified 2022-05-09, 5:35 PM), and a data folder (modified 2022-06-13, 1:27 PM). The top menu bar includes "SFTP - CBIGR", "New Bookmark", "New Folder", "Download", "Upload", "Open Connection", "Action", "Refresh", "Edit", "Search", and "Stop".
- Bottom Left:** Shows a file list in a directory named "/parkinsons/data". It lists numerous files named S41140, S41138, S41136, S41135, S41134, S41133, S41130, S41127, S41126, S41125, S41124, S41123, S41122, S41121, S41120, S41119, S41118, S41117, and S41116, all modified on 2022-05-09 at 5:17 PM. The top menu bar includes "SFTP - CBIGR", "New Bookmark", "New Folder", "Download", "Upload", "Open Connection", "Action", "Refresh", "Edit", "Search", and "Disconnect". A red circle highlights the "Download" button in the toolbar.
- Bottom Right:** Shows a file list in a directory named "/parkinsons/data". It lists the same set of files as the bottom-left screenshot, all modified on 2022-05-09 at 5:17 PM. The top menu bar includes "SFTP - CBIGR", "New Bookmark", "New Folder", "Download", "Upload", "Open Connection", "Action", "Refresh", "Edit", "Search", and "Disconnect".

Download the Results (Optional Exercise 6)

SFTP interface available to NeuroHub project data location for secure file browsing and file transfer (cmd-line, GUI clients)



Download destination server directory

Download the Results (Optional Exercise 6)

Using your favourite SFTP client (command-line or GUI-based) configure a connection to the CBRAIN SFTP server using the following protocol parameters.

To connect to Data Provider SFTP-1	
SFTP Hostname	ace-cbrain-1.cbrain.mcgill.ca
SFTP Port number	7500
SFTP Username	(your CBRAIN username)
SFTP Password	(your CBRAIN password)
Connexion URI (for Linux desktops)	sftp://username@ace-cbrain-1.cbrain.mcgill.ca:7500/
To connect to Data Provider SFTP-2	
SFTP Hostname	ace-cbrain-2.cbrain.mcgill.ca
SFTP Port number	7500
SFTP Username	(your CBRAIN username)
SFTP Password	(your CBRAIN password)
Connexion URI (for Linux desktops)	sftp://username@ace-cbrain-2.cbrain.mcgill.ca:7500/

See: <https://portal.cbrain.mcgill.ca/doc/manual/uploading.html>

Wrap-up

If you have any feedback or questions as follow-up to the material or
as to how the methods demonstrated can be applied to your
research: support@neurohub.ca

Thank you for your attention!