

CBRAIN WEBSITE

CANDICE CZECH
01-28-2019

DESKTOP

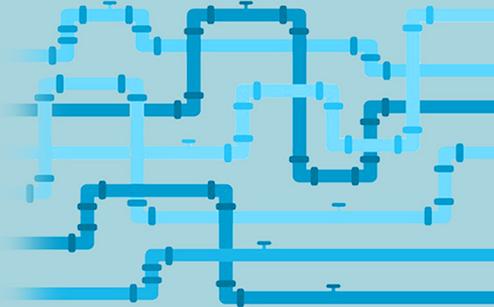
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CBRAIN is an infrastructure that connects researchers from all walks of science and their data to high performance and cloud computing in a easy to manage, reproducible, and user-friendly manner.

GET STARTED



Accessibility
Ability to work across multiple machines and filesystems.

Efficiency
Quickly moving compute and data behind the scenes.

Reproducibility
Strict standards and pipelines allow for reproducible results.

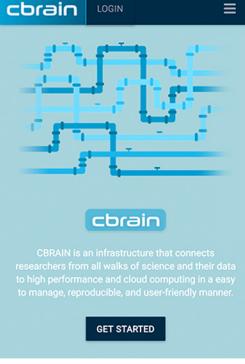
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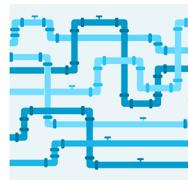
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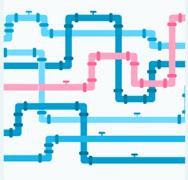
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Execute Pipelines on High Performance and Cloud Computing



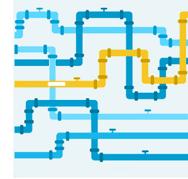
CBRAIN has over fifty pipelines that allow you to perform complex operations on "big data". The pipelines range from simple conversion operations to neuroimaging to genomics to supply chain simulation modeling. Users decide what data to use, what options are needed, and then launch the pipeline to be sent to large-scale computing to be completed in as efficient a manner as possible. Explore all of the current pipelines available through CBRAN at our Pipelines page.

Create Your Own Pipelines



CBRAIN works with an ecosystem of software that makes it easy for users to define, test and import their own pipelines into the system. We utilize the easy to use Boutiques JSON Standard for defining an execution pipelines which can automatically be ported into CBRAN. Check out our documentation on how to import your own pipelines

Seamlessly Move Data



CBRAIN offers a number of Data Providers that can store and move data seamlessly throughout the CBRAN ecosystem to ensure large datasets are moved efficiently and securely to perform large-scale computations. Whether your data starts on your desktop, resides at a computing center or lives out in the cloud, it can easily become part of the CBRAN data ecosystem.

Connect to Computing

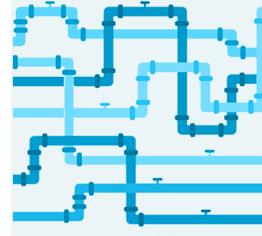


CBRAIN provides a place where users can connect computing and cloud resources together in the CBRAN ecosystem easing the burden of using these resources. CBRAN has a partnership with Compute Canada to provide millions of computing hours for the research community through our Portal.

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CBRAIN Team

CBRAIN is created with the collaboration of the following individuals:

 Alan Evans, PhD. James McGill Professor of Neurology and Neurosurgery ...	 Shawn T. Brown, PhD. Associate Director of Research Software Development	 Pierre Rioux Senior Research Platform Developer, Lead Developer
 Natasha Beck JSenior Research Platform Developer	 Armin Taheri Research Visualization Developer	 Greg Kiar Research Platform Developer and PhD Candidate
		
Alan Evans, PhD. James McGill Professor of Neurology and Neurosurgery ...	Shawn T. Brown, PhD. Associate Director of Research Software Development	Alan Evans, PhD. James McGill Professor of Neurology and Neurosurgery ...
		

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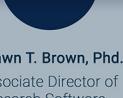
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 Greg Kiar Research Platform Developer and PhD Candidate www.website.com		
		
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About Us

This is a blurb about team work.


Alan Evans, PhD

James McGill Professor of Neurology and Neurosurgery, Psychiatry and Biomedical Engineering at McGill University


Shawn T. Brown, PhD

Associate Director of Research Software Development

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 McGill





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The Canadian Open Neuroscience Platform



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