



Jetstream

Access high-end resources
without the learning curve

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Center for
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Come Join Us for a Presentation and Tutorial on the NSF Jetstream (research cloud)

Presenter: **Jeremy Fischer, Sr. Tech Advisor**

Jetstream, University of Indiana

March 13, 2018

1 to 4 PM

Marksbury Auditorium

329 Rose St.

NSF's Jetstream Cloud is an Infrastructure-as-a-Service platform comprised of two geographically isolated clusters, each supporting hundreds of virtual machines and data volumes. The two cloud systems are integrated via a user-friendly web application that provides a user interface for common cloud computing operations, authentication to XSEDE via Globus, and an expressive set of web service APIs. Jetstream enables on-demand access to interactive, user-configurable computing and analysis capability. It also seeks to democratize access to cloud capabilities and promote sharable, reproducible research.

This event will describe Jetstream in greater detail, as well as how its unique combination of hardware, software, and user engagement support the "long tail of science." After the presentation and Q&A, we will introduce users to the Atmosphere interface through a hands-on tutorial.

Prerequisite for the hands-on portion: Laptop with browser (pref. Chrome, Firefox, Safari).

If you have questions or require further information please contact **Tony Elam,**

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Computational Sciences

Jetstream – a cloud based, on-demand, computing and data analysis resource for research and teaching. Jetstream current users:

- Researcher needing a handful of cores (1-44 vCPU)
- Software creators and researchers needing to create their own customized virtual machine and workflows
- Science gateway creators using Jetstream as either the frontend or processor for scientific jobs
- STEM Educators teaching on a variety of subjects

Free trial access available

Seating is limited and snacks will be provided at break.