Outreach, Training, and Support for Researcher-Facing Resources

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What is Jetstream2?

Jetstream2 is a flexible, user-friendly cloud computing environment designed for everyone from researchers with minimal high-performance computing experience to software engineers looking for the latest in cloud-native approaches.

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Jetstream2

**National Science Foundation**
Award #ACI-2005506

**INTERNET®**

**UNIVERSITY OF HAWAI’I CYBERINFRASTRUCTURE**
- **Regional**
  - Compute: 8 Nodes, 1,024 Cores, 4 TB RAM
  - Storage: 869 TB
  - Accelerators: 2 Nodes, 1 TB RAM, 8 GPUs

**ARIZONA STATE UNIVERSITY CYBERINFRASTRUCTURE**
- **Regional**
  - Compute: 8 Nodes, 1,024 Cores, 4 TB RAM
  - Storage: 869 TB
  - Accelerators: 2 Nodes, 1 TB RAM, 8 GPUs

**TACC CYBERINFRASTRUCTURE**
- **Regional**
  - Compute: 8 Nodes, 1,024 Cores, 4 TB RAM
  - Storage: 860 TB
  - Accelerators: 2 Nodes, 1 TB RAM, 8 GPUs

**INDIANA UNIVERSITY CYBERINFRASTRUCTURE**
- **Primary**
  - Compute: 416 Nodes, 53,248 Cores, 224 TB RAM
  - Storage: 96 Nodes, 15 PB
  - Accelerators: 90 Nodes, 45 TB RAM, 360 GPUs

**CORNELL UNIVERSITY CYBERINFRASTRUCTURE**
- **Regional**
  - Compute: 8 Nodes, 1,024 Cores, 4 TB RAM
  - Storage: 869 TB
Since September 2022

1846 unique users | 500 projects | 210 institutions
Why Jetstream2?

- Users have full admin access to their own virtual machines in a variety of sizes.
- They can install software and use instances how they want.
- Resources are available on demand: no queues or runtime limits.
- Jetstream2 offers an interactive computing environment with graphical desktop interface—great for those who may be less familiar with command line.
- Instances have full internet access with persistent IPs, making them ideal for web hosting or gateways.
- Jetstream2 resources are available at no cost to the user.
Supporting the Jetstream2 project

- Increased capacity for support: one team specializing in infrastructure, one team focusing on user assistance and engagement
- Software store: MatLab, R Studio, Anaconda, NVIDIA HPC toolset
- By making our resources available to any researcher, we need to understand their unique needs
Outreach, education, and training

Objectives for 2024

- **Outreach:** Increase the adoption of Jetstream2 resources, especially among underrepresented groups and other scientific disciplines
- **Education:** Engage with and understand our users. How are they interacting with Jetstream2, how we can better serve them, how can we tell their stories?
- **Training:** Provide accessible, on-demand resources that support and inform users
Outreach, education, and training: Who needs what, and how can we help them?

Outreach

*Increase the adoption of Jetstream2 resources, especially among underrepresented groups and other scientific disciplines.*

**Audience:** Non-users  
**Scope:** Engagement and essential information

**2024 goals and projects**
- Presence at regional and national conferences  
- Informational workshops  
- Community connections  
- Newsletter and highlights
Outreach, education, and training: Who needs what, and how can we help them?

Education

Engage with and understand our users. How are they interacting with Jetstream2, how can we better serve them, how can we tell their stories?

 Audience: Potential, early-stage, and regular users
 Scope: Introductory information

2024 goals and projects

- Getting started guide
- Introductory workshops
- Website updates
- Repurposable, customizable content
Outreach, education, and training: Who needs what, and how can we help them?

Training

*Provide accessible, on-demand resources that support and inform our user base.*

**Audience:** All users  
**Scope:** Broad—from getting started to specialized topics

**2024 goals and projects**

- Documentation updates
- Guides for common scenarios
- Advanced topic workshops
Collaborative possibilities

Do you have anyone currently using Jetstream2?
Do you want to recommend Jetstream2 to your researchers?
We’d love to help.
What about you?
Thanks!

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