



Ohio Supercomputer Center



open on Demand

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Supercomputing. Seamlessly.

An intuitive, innovative, and interactive interface to remote computing resources

Open OnDemand helps computational researchers and students efficiently utilize remote computing resources by making them easy to access from any device. It helps computer center staff support a wide range of clients by simplifying the user interface and experience.

OPEN

Demand

Key Benefits & Impact

- Key benefit to you, the end user: You can use any web browser to access resources at a computing service provider.
- Key benefit to you, the computer center staff: A wide range of clients/needs can utilize your computing resources.
- Overall impact:

Users are able to use remote computing resources faster and more efficiently.



Open OnDemand Sites



Production Deployments



Configuring software to be available in OnDemand

- New software is made available through OnDemand by adding new "apps"
- Users can develop and run apps in their home directory
- Admins can publish apps by copying them to the OnDemand web host's local disk in /var/www/ood/apps

Configuring software: Types of apps

- Interactive App Plugins
 - Consists of a job template and configuration files
 - Submits a batch job which launches VNC GUI app or web server on compute node and provides user link to connect
- Passenger web apps written in Python, Ruby, or Node.js
 - Run as the user they are acting on behalf of the user
 - Do not need to manage authentication or authorization
 - Write any app specific data to user dirs (\$HOME, \$SCRATCH)

2.1 Projects in Flight

- Quick Launch Apps
 - Apps with preset values that launch with 1 click.
- New Job Composer Alpha
 - Work in progress.
 - Provides improved project management for researchers.
- Support for more automatic values in batch connect apps.
 - Automatic Modules are in progress.
 - Queues/partitions on the roadmap.
- Documentation Site restructure
 - Navigation panel of the documentation site is being reworked.
- RPMs being produced every day
 - Follow <u>https://github.com/OSC/ondemand/issues/1780</u> for updates!

Find Out More!

openondemand.org

- Use our Discourse instance for help
- Join our mailing list for updates
- Monthly "Tips and Tricks" webinars
- Monthly open office hours
- Submit a Github issue

