Connecting computing power with powerful minds

Empower students, researchers and industry professionals with remote web access to supercomputers

Developed by the Ohio Supercomputer Center (OSC) and funded by the National Science Foundation, Open OnDemand is an open-source portal that enables web-based access to HPC services. Clients manage files and jobs, create and share apps, run GUI applications and connect via SSH, all from any device with a web browser.

OnDemand can be installed on a variety of HPC operating systems and resource managers. Get started by accessing our website for files and installation directions.

Run Open OnDemand

Access your organization's supercomputers through the web from anywhere, on any device

Zero installation

Run Open OnDemand entirely in your browser. No client software installation required.

Easy to use

Start computing immediately. A simple interface makes Open OnDemand easy to learn and use.

Compatible with any device

Launch on any device with a browser—even a mobile phone or tablet.

Install Open OnDemand

Administer remote access to your supercomputers to transform the way users work and learn

Low barrier to entry

Empower users of all skill levels by offering an alternative to command-line interface.

Free and open source

Install Open OnDemand for free and gather knowledge from our large open-source community.

Configurable and flexible

Create and deploy your own applications to meet your users' unique needs.

19x
faster time to science*

1,600+
active installations

*Average number of days between user account creation to first job submission at Idaho National Lab for new accounts pre- and post- availability of Open OnDemand.

Incredible impact

Open OnDemand is transforming the way students, researchers and industry professionals access high performance computing resources.

Idaho National Laboratory

After adopting Open OnDemand, HPC system administrators at the Idaho National Laboratory published research that confirmed the platform's significant positive impact on HPC usage in their organization. The study showed that Open OnDemand reduced the time between account setup and first job submissions.

Read more at **openondemand.org/inl**

Ecosystem for Research Networking

The Ecosystem for Research Networking works to improve online access to high-cost, specialized scientific equipment to advance national research initiatives. The ERN Cryo-EM Federated Instrument Pilot Project, in partnership with Rutgers University, is creating a portal, built upon Open OnDemand, that enables the remote control of cryo-electron microscopes and data analysis.

Read more at **openondemand.org/ern**

Enabled applications

Open OnDemand makes it easy to access your favorite apps for data visualization, simulations, modeling and more. Apps deployed at OSC and other contributing institutions include:

Abaqus/CAE	ANSYS Workbench
COMSOL Multiphysics	Jupyter
MATLAB	Paraview
QGIS	RELION
RStudio Server	Shiny App
Stata	Tensorboard
Visual Studio Code	VMD

Try Open OnDemand

It is simple to set up a live demo of Open OnDemand for evaluation. Just follow the directions at **openondemand.org/demo**. Once the steps are complete, explore Open OnDemand's documentation and core applications—Files, Editor and Job Composer—for more information.

openondemand.org

Supercomputer Center
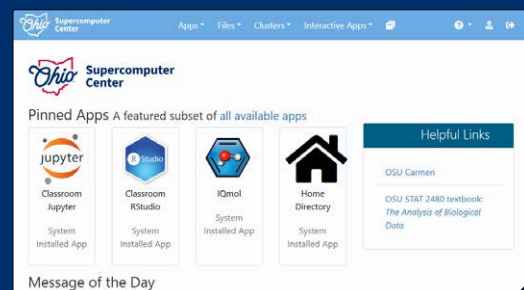
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