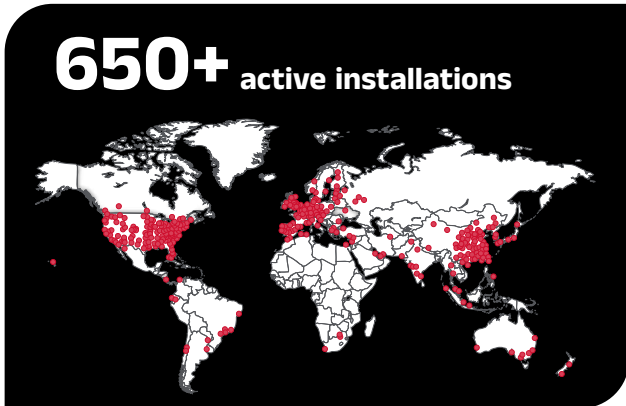# OPEN
OnDemand

openondemand.org

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.

650+ active installations

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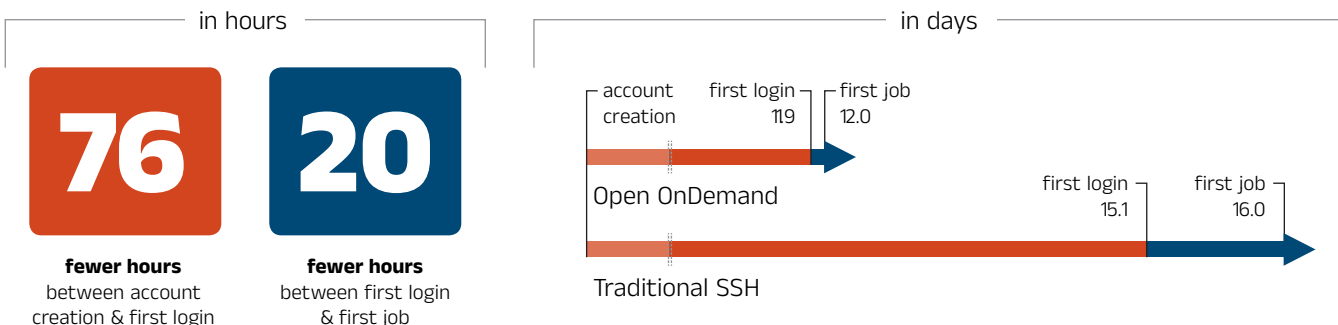Empower users of all skill levels by offering an alternative to command-line interface.

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.

Faster time to science Using OnDemand vs. traditional SSH access*

in hours

76
fewer hours
between account creation & first login

20
fewer hours
between first login & first job

in days

account creation — first login 11.9 — first job 12.0

Open OnDemand

first login 15.1 — first job 16.0

Traditional SSH

*Data set: Median times from 1712 OSC accounts created in 2017

Incredible impact

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

Photo courtesy MSOE

Milwaukee School of Engineering

MSOE's system administrators found Open OnDemand easy to learn and manage, said Derek Riley, professor and program director. "We've been able to use it primarily out of the box, and it's the main entry point for students and faculty to the cluster," Riley said.

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

Purdue University

Researchers at the Rosen Center for Advanced Computing process mountains of Cryo-EM data using Open OnDemand on the Anvil supercomputer. Because it's easy to use the platform from any browser, "researchers can get instant access so that they can stay focused on doing their research."

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

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.

Ohio Supercomputer Center

OH·TECH | Ohio Technology Consortium

A Division of the Ohio Department of Higher Education