

## Connecting computing power with powerful minds

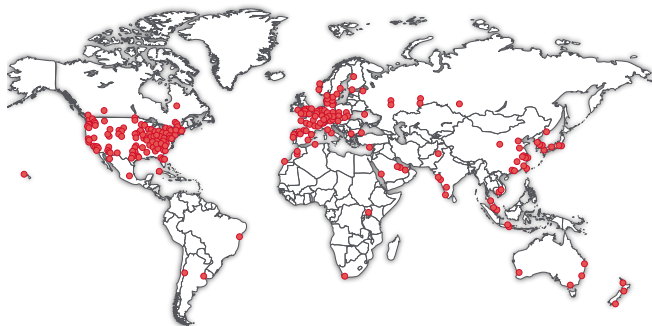
Open OnDemand empowers students, researchers, and industry professionals with remote web access to supercomputers

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.

### Deployed worldwide

More than **400** 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

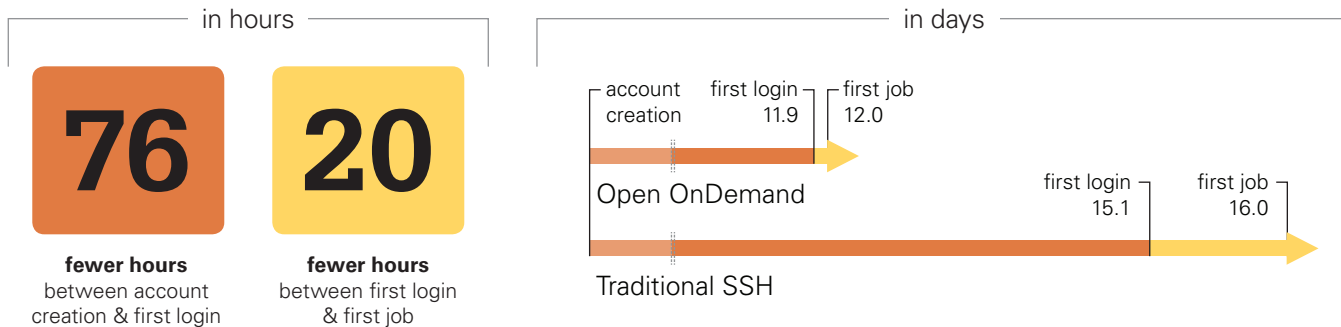
Install Open OnDemand for free, and gather knowledge from our large open-source community.

##### 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\*



\*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.

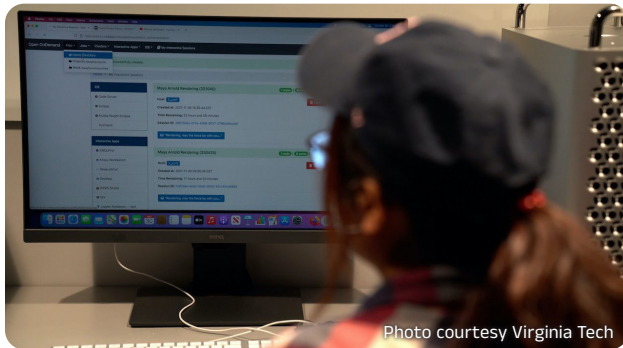
### University of Alabama at Birmingham



Logging on to UAB's Cheaha cluster once required command-line know how. But with UAB Research Computing On Demand, "you're just using your browser like you do everywhere else on the web," said John-Paul Robinson of IT Research Computing.

Read more at [osc.edu/ood-uab](https://osc.edu/ood-uab)

### Virginia Tech



Bob Settlege, a computational data scientist in Advanced Research Computing, connected a 3D rendering engine to Open OnDemand. "[Students] can just log into Open OnDemand, upload their job, log back in any time to see if the job is done, and download their completed files," he said.

Read more at [osc.edu/ood-vt](https://osc.edu/ood-vt)

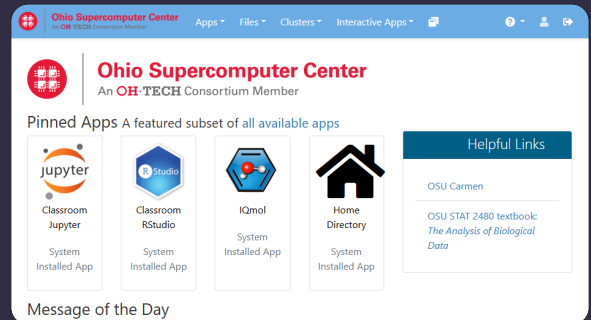
## Enabled applications

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 yourself

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



**Ohio Supercomputer Center**

An **OH·TECH** Consortium Member

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