GOOD
Morning!

Logistics

Schedule is posted all around the rooms

Restrooms are in the lobby

Quiet Room is Alpine and **Prayer Room** is Bonneville

No photos, no problem. Grab a **different lanyard**

Wanna watch it again? We are recording. Presenters please repeat questions before answering!

Code of Conduct reports to Amanda, Dori, and Huston (neon green lanyards) or online at:

GOOD

openondemand.org/good/#CoC

Evening Plans/Networking

Tuesday

Idea Marketplace:
3:30 – 6:30 pm, Granite Ballroom
Connect with Governance Committee members,
the Appverse team, Affinity Groups and Exhibitors

Evening Social (pay-your-own-way):
7 – 9 pm, Squatters Pub Brewery

Wednesday

Evening Social (conference paid):

6-8 pm Red Butte Garden

Shuttle vans on a loop from here starting at 5:30pm.

0.8 mile walk (~20 minutes, a bit hilly)
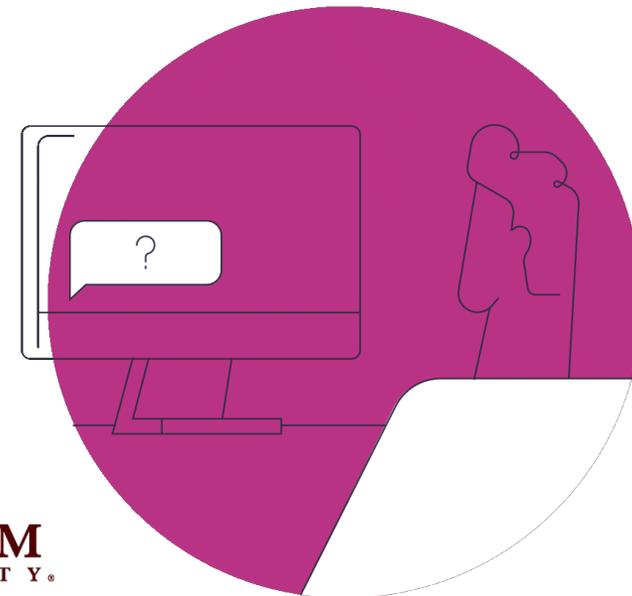
Breakfast every day provided by the conference!

GOOD

Up Next

OPEN OnDemand

Alan Chalker

GOOD

So Far, so GOOD

Open OnDemand's Journey and Future

Alan Chalker
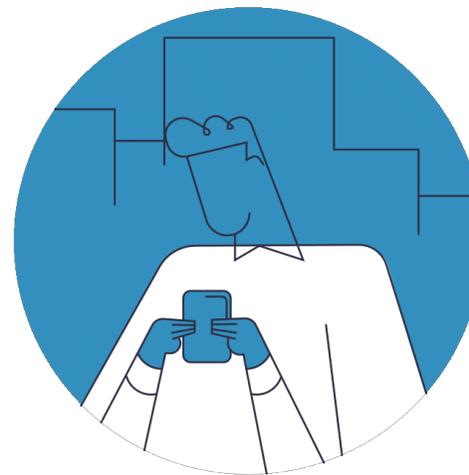
openondemand.org/sogood

GOOD TO SEE YOU

Thank GOODness

Conference Committee

Support Staff

Presenters

Ohio Colleagues

Collaborators

Developers

NSF

Attendees

Sponsors

OPEN OnDemand

GOOD Support

GOOD Representation

88 Attendees
(41 repeat attendees)

9 Countries

Canada
Czech Republic
Finland
France
Italy
Japan
Spain
Sweden
United States

All Sectors

Academia
Entrepreneurial
Government
Industry
Non-profit

Many Fields

Chemistry
Climatology
Education
Energy
Finance
IT
Manufacturing
Medicine
Social Science

OPEN OnDemand

GO⦿D
GRIEF!

GOOD Foundations
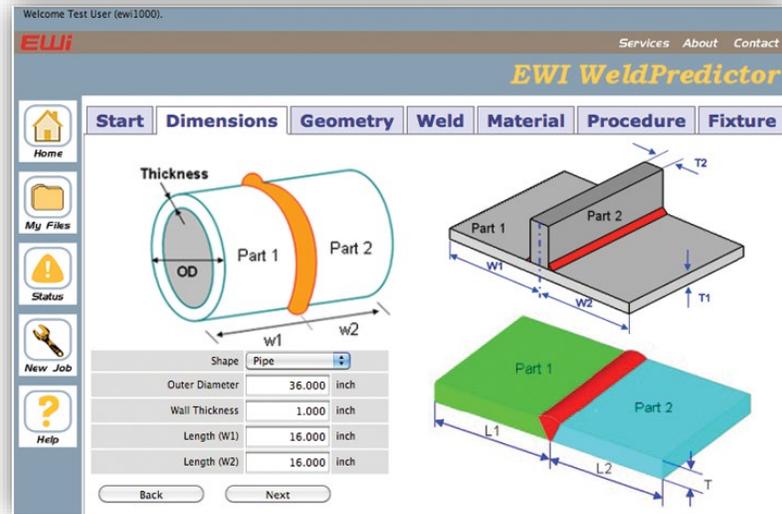
2007

(Weld Predictor)
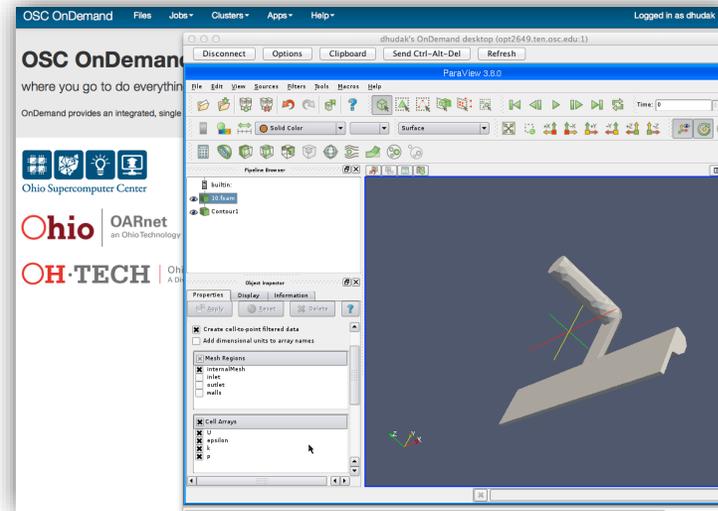
2013

(OSC OnDemand)
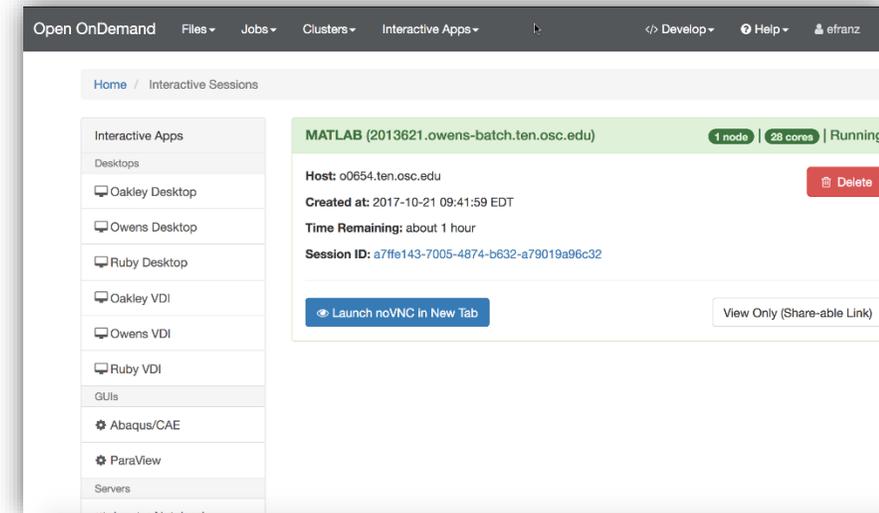
2017

(Open OnDemand)

GOOD Friends

THE UNIVERSITY OF UTAH

PRINCETON UNIVERSITY

University at Buffalo
The State University of New York

University of Pittsburgh

VT VIRGINIA TECH

NOR-TECH
People Friendly Technology

MICHIGAN

THE UNIVERSITY OF ARIZONA

WAGENINGEN
UNIVERSITY & RESEARCH

Stanford University

VANDERBILT UNIVERSITY

University of Houston Clear Lake

RUTGERS
THE STATE UNIVERSITY OF NEW JERSEY

TEXAS A&M UNIVERSITY

PITTSBURGH SUPERCOMPUTING CENTER

TCNJ THE COLLEGE OF NEW JERSEY

PennState
Institute for CyberScience

WRIGHT STATE UNIVERSITY

Ohio Supercomputer Center
An OH·TECH Consortium Member

TANDY SUPERCOMPUTING CENTER

JOHNS HOPKINS UNIVERSITY

Tufts UNIVERSITY

2018

GOOD Friends

100+ Countries | 2,100+ Organizations

Deployments
- Identified Organizations
- Unidentified / Geo-located
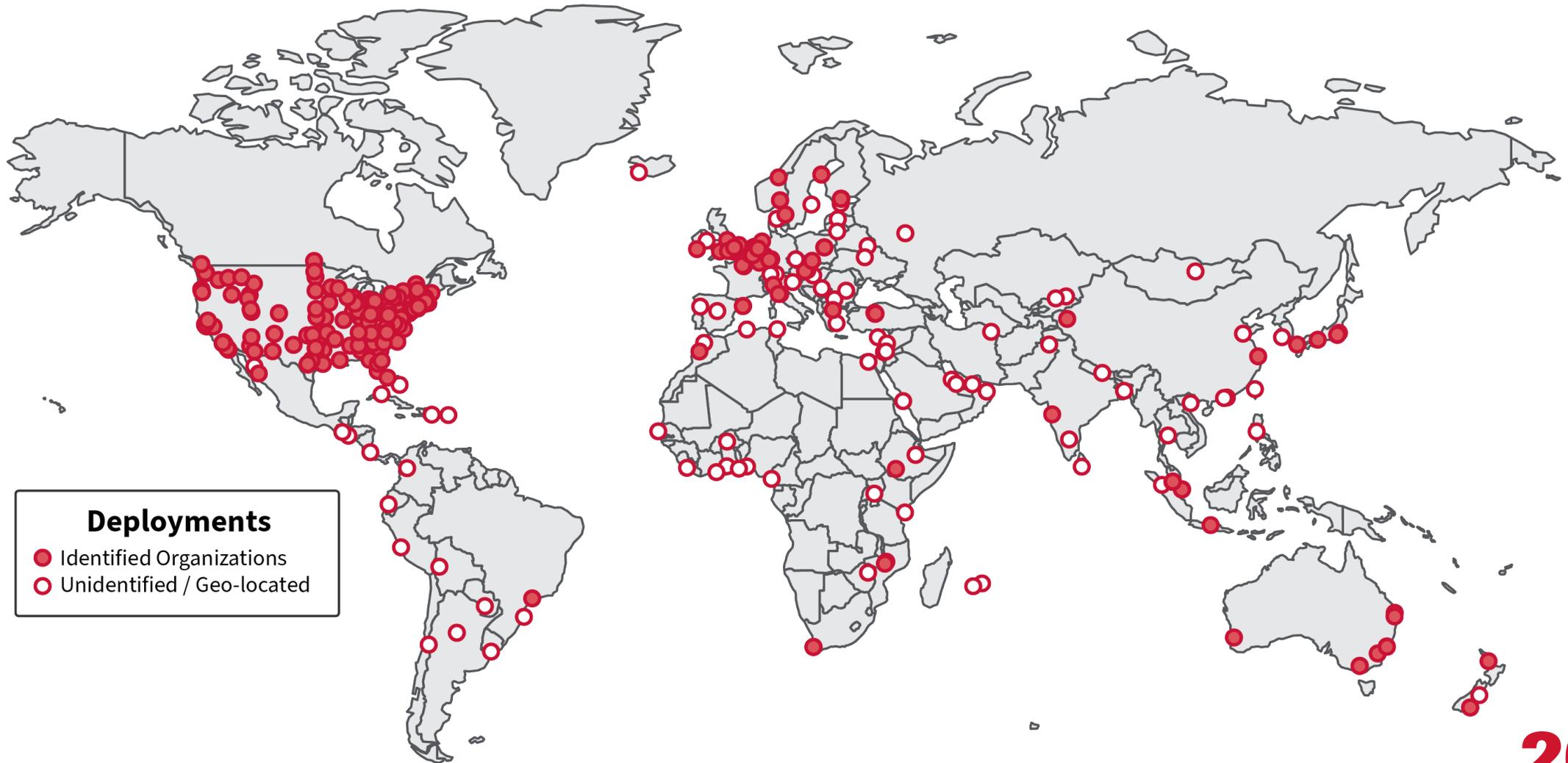
2026

GOOD Partners

GOOD Example Award

Red Jacket Program

Recognition of outstanding community members

Contribution Types

Code contributions
Documentation
Community support
App work
Admin/deployment
Community leadership

Selection Process

Core dev team (this year)
Community Engagement
Committee (future)
Project PIs

Example Candidates

Knows the codebase
Installs/administers OOD
Configures/customizes apps
Active in community spaces
Helps users
Improves OOD at their org
Shares knowledge outward

OPEN OnDemand

GOOD Example Award

Brandon Biggs
Idaho National Lab

Contributions

Made 19 posts on Discourse
Opened 6 GitHub issues / made 6 commits
Submitted 4 apps to Appverse
Provided content for a case study
On the GOOD Program Committee
Coauthor on a PEARC22 paper featuring OOD

OPEN OnDemand

GOOD Results

Wake Forest

Eindhoven

Texas A&M
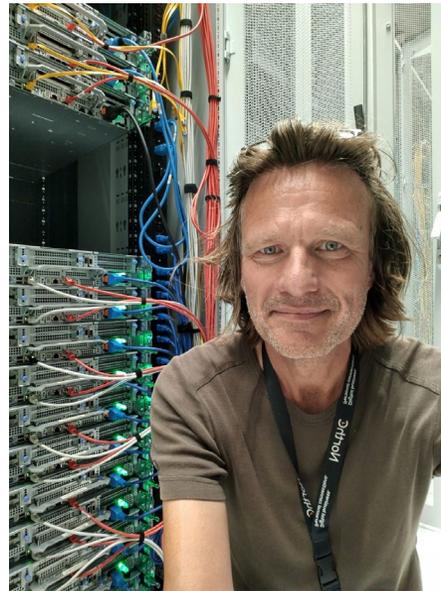
GOOD News

ACCESS Enhances Bioscience Exploration: Introducing CryoSPARC on Anvil's HPC Resources

October 9, 2023

Oct. 9, 2023 — In the last couple of years, you may have seen some extremely detailed models of microscopically tiny things. Read more…

LUMI Supercomputer Sheds Light on Quantum Mechanics, Solar Subsurface Physics, and More

June 23, 2023

June 23, 2023 — The European scientific community has been able to utilize LUMI, Europe's fastest supercomputer, in full scale since December last year. Read more…

Deploying Open OnDemand with AWS ParallelCluster

February 21, 2023

Open OnDemand is an open-source High Performance Compute (HPC) portal that provides an easy way for system administrators to provide web-based access to HPC resources. Read more…

By Amazon Web Services

Accelerating Scientific Discovery at the University of Melbourne

January 16, 2023

4,500 researchers with ~1,500 different projects leverage HPC at the University of Melbourne, translating discovery into meaningful, practical impact to benefit all of us. Read more…

Sharing the wealth of HPC-driven apps with flexible as-a-service models

October 4, 2021

Growing numbers of IT shops are delivering high performance computing systems and the applications they support as on-demand services accessed via cloud connections. Read more…

HPC Open Source Web Portals now Offered to Enterprise by Nor-Tech

December 12, 2019

MINNEAPOLIS, Dec. 12, 2019 — Nor-Tech, experts on complete Open Source HPC technology solutions, just announced the first two enterprise deployments of Open OnDemand, which enables even those without HPC expertise to take advantage of the significant cost-savings of open source.

Read more…

HPCwire 2024 READERS' CHOICE AWARDS — Top 5 New Products or Technologies to Watch — Open OnDemand

GOOD Time

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

2017

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
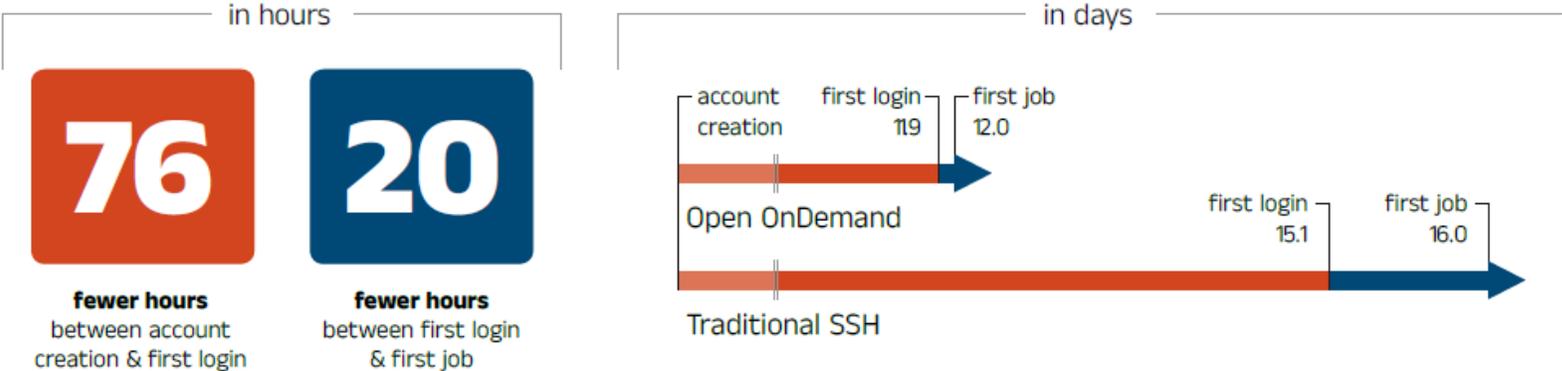
19x faster time to science*

2021

Average Number of Days Between Account Creation to First Job Submission

- Open OnDemand made available to part of the userbase
- Open OnDemand made available to all users

Number of Days / Account Creation Date
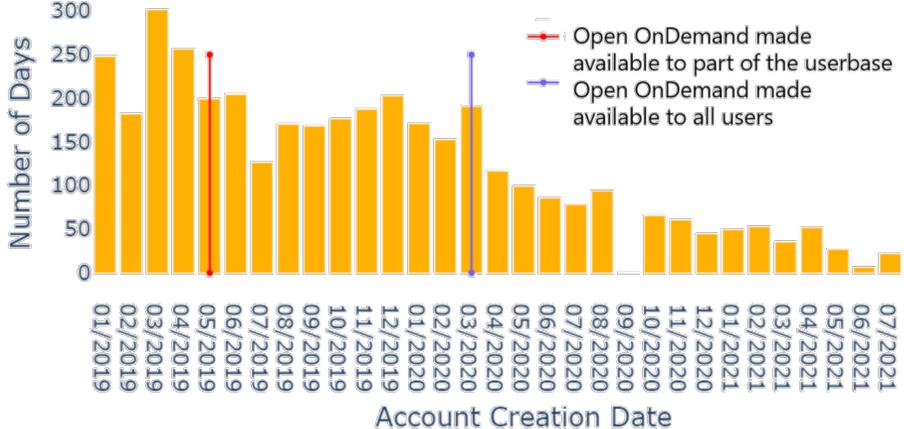
GOOD Timing

NAIRR Pilot — National Artificial Intelligence Research Resource Pilot

Indiana Jetstream2 GPU	⌄
NCSA Delta GPU	⌄
NCSA DeltaAI	⌄
PSC Bridges-2 Extreme Memory (PSC Bridges-2 EM)	⌄
PSC Bridges-2 GPU (PSC Bridges-2 GPU)	⌄
PSC Bridges-2 Regular Memory (PSC Bridges-2 RM)	⌄
Purdue Anvil AI	⌄
Purdue Anvil CPU	⌄
Purdue Anvil GPU	⌄
SDSC Expanse CPU	⌄
SDSC Expanse GPU	⌄
PSC Neocortex CS-2	⌄
SDSC Voyager (Habana Training and Inference Processor based AI System)	⌄
TAMU ACES	⌄

Amazon Web Services	⌄
Cerebras Wafer-Scale Engine 2 (CS-2) AI Accelerator	⌄
DOE Argonne National Laboratory AI Testbed	⌄
Google Cloud Platform	⌄
Groq LPU Inference Engine	⌄
Microsoft Azure	⌄
NVIDIA DGX Cloud	⌄
SambaNova Cloud (API Services for Llama, DeepSeek, Tulu, Qwen, etc.)	⌄
SambaNova Suite (LLMOps platform, fine-tuning, inference and app dev kits)	⌄
TACC Frontera	⌄
TACC Frontera GPU	⌄
TACC Lonestar6	⌄
TACC Lonestar6-GPU	⌄
TACC Vista (NVIDIA GH100 Grace Hopper Superchip)	⌄

GOOD Plans

Accessibility

Ohio Supercomputer Center Accessibility Conformance Report

WCAG Edition

(Based on VPAT® Version 2.5Rev)

Name of Product/Version: Open OnDemand version 4.1

Report Date: 13 January 2026

Product Description: 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.

Contact Information: info@openondemand.org

Notes: For more information on accessibility conformance for Open OnDemand please visit openondemand.org/accessibility

Evaluation Methods Used: Evaluation was performed by people familiar with the functionality of Open OnDemand using only manual testing and with Narrator, the screen reader included in Windows 11. The "Text Spacing Editor" extension in the Chrome browser was also used to test some criteria.

Security

Security Advisories

[New draft security advisory]

Privately discuss, fix, and publish information about security vulnerabilities in your repository's code.

| 1 Triage | 0 Draft | ✓ 6 Published | ✕ 4 Closed |

Susceptible to malicious input when navigating to a directory. — Moderate
GHSA-f83q-mhrr-3cr2 published 4 days ago by johrstrom

Apache proxy passing sensitive headers to origins — High
GHSA-2cwp-8g29-9q32 published on Dec 17, 2025 by johrstrom

RPM packages create world writable locations — Moderate
GHSA-r2cg-hg78-gq9p published on Nov 19, 2025 by johrstrom

Allowlist bypass in directory downloads (TOCTOU) — Moderate
GHSA-vjpg-34px-gjrw published on Nov 19, 2025 by johrstrom

Password not rotated for VNC batch_connect — Low
GHSA-7vh8-mw9f-5r99 published on Sep 9, 2025 by johrstrom

Shell App closed websocket DoS — Moderate
GHSA-x5xv-fw37-v524 published on Jul 11, 2025 by johrstrom

Governance

Open OnDemand Project Vision:

Accelerating discovery, innovation, and learning by empowering researchers, industry professionals, and students to fully harness powerful computing resources.

Open OnDemand Project Mission:

To make advanced computing resources easy to use through an intuitive web-based platform, while fostering a vibrant community that drives scientific and technological breakthroughs.

Open OnDemand Governance Team Mission:

The Open OnDemand Governance team is dedicated to ensuring the platform's continued growth and accessibility by stewarding both the project resources and community. We actively engage the community to understand needs and translate that feedback into ongoing code development, maintenance, and documentation.

Sustainability

Free	Basic	Pro	Elite
All Open OnDemand clients have access to free support services.	All the benefits of Free + priority support channels and early releases.	All the benefits of Basic + private support sessions on a set calendar and event exclusives.	All the benefits of Pro + scheduled private support sessions when they work for you and priority access to Open OnDemand staff.
✓ Public office hours ✓ Public discussion boards ✓ Public GitHub troubleshooting ✓ Public events	✓ Private Discourse & GitHub access ✓ Early access to updates	✓ 3 private support sessions per quarter on a set calendar (add-on sessions available; see reverse) ✓ Recognition at public events ✓ Special event invitations ✓ Exclusive brand items	✓ 6 private "choose your time" support sessions per quarter (add-on sessions available; see reverse) ✓ Support via email ✓ Access to special developer sessions at major public events

GOOD Company

Community Hub

Affinity Groups   Knowledge Base   People   Events   News

Leveraging community knowledge

Join Us

We are an active community of developers, resource providers, researchers, and vendors. We speed up scientific progress and work more efficiently by sharing tools, code, processes and best practices in working with Open OnDemand across disciplines and technologies.

JOIN

Affinity Groups

Topical user groups across disciplines and technologies.

⊘ **Affinity Groups**

Knowledge Base

Find and share resources useful to the community.

⊘ **Knowledge Base**

People

Meet the community using Open OnDemand

⊘ **Member Directory**

Upcoming Events

11/18/2025
SC25 - Forum for Open OnDemand (FOOD)

11/19/2025
SC25 - Forum for Open OnDemand (FOOD)

12/04/2025
Open OnDemand Tips and Tricks Call

12/09/2025
Open OnDemand Office Hours

ALL EVENTS

GOOD Software

Appverse

{ Enhance your installation with apps from the community }

Abaqus — 2 repo	**AMDuProf** — Add repos	**ANSYS** — 1 repo	**Arm** — 1 repo	**Avogadro** — 1 repo

Gradio App — 2 repo · **Gradio App** — 1 repo · **GSEA** — Add repos · **IDL** — Add repos · **IGV** — 1 repo · **PyCharm** — Add repos · **PyMOL** — 1 repo · **QGIS** — 1 repo · **Qualimap** — 1 repo · **RELION** — 1 repo

BEAST 2 — Add repos · **BEAST X** — 1 repo · **Blender** — 2 repo · **CHIMERA** — Add repos · **ChimeraX** — 1 repo

jupyter / jupyter — 10 repo · **LS...** · (◎) · **M...** · **O...** · **RStudio** — 6 repo · **SageMath** — 1 repo · **SAS** — 1 repo · **Schrodinger** — 1 repo · **Shiny** — 1 repo

jupyter

JupyterLab is the latest web-based interactive development environment for notebooks, code, and data. Its flexible interface allows users to configure and arrange workflows in data science, scientific computing, computational journalism, and machine learning.

[jupyter website]

Sample Deployments

> Implementation by Ohio Supercomputer Center
> Batch Connect Implementation by University of Utah
> Implementation with dynamic SLURM partition by University of Utah
> Implementation by Stanford
> Implementation by TechSquare Inc.
> University of Colorado Boulder Implementation

CloudBeaver — 1 repo · **COMSOL** — 2 repo · **Coot** — Add repos · **CryoSPARC** — 1 repo · **DeepLabCut** — Add repos · **Mathematica** — 2 repo · **Siril** — Add repos · **Spyder** — 1 repo · **STAR-CCM+** — Add repos · **Stata** — 2 repo · **Streamlit** — 1 repo

Eclipse — Add repos · **FastQC** — 1 repo · **FigTree** — 1 repo · **Firefox** — 1 repo · **G-PhoCS** — 1 repo · **Multitenant Apps** — 1 repo · **M...** · **TensorBoard** — 1 repo · **VARNA** — 1 repo · **VisIt** — 1 repo · **Visual Studio Code** — 4 repo · **VMD** — 2 repo

Galaxy — 1 repo · **GaussView** — 1 repo · **Geneious** — 1 repo · **GIMP** — 1 repo · **Grace** — Add repos · **OVITO** — Add repos · **ParaView** — 1 repo · **PostgreSQL** — 1 repo · **PseudoFuN** — 1 repo · **PSPP** — Add repos · **WebMO** — Add repos · **Workflow Compo...** — 2 repo · **XCrySDen** — 1 repo · **XDMoD** — 1 repo · **XFPLO** — 1 repo

GO**O**D SHOT!

What is a Supercomputer?

$20	Cost	$200,000,000
8 KB	Memory	4 KB
128 KB	Storage	72 KB
50,000 KFLOPS	Speed	80 KFLOPS

2025 Smartphone Charger
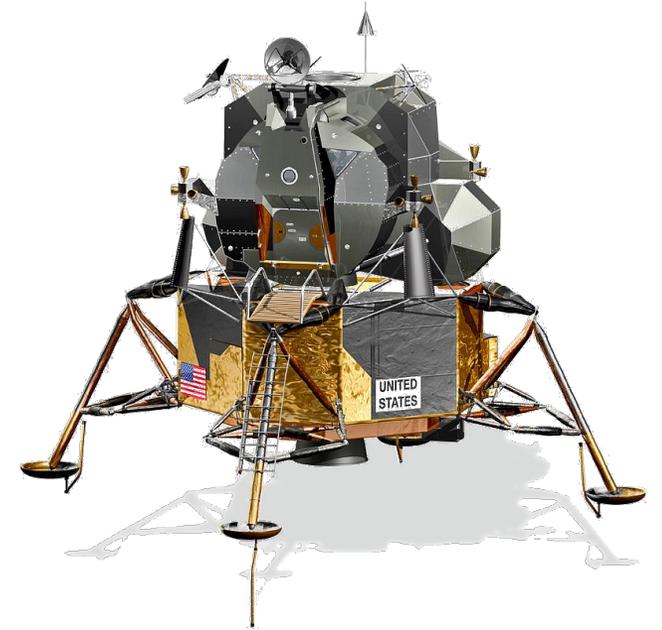
1970 Apollo Lunar Module

OPEN **OnDemand**

Connecting
Computing
Power with
Powerful Minds

for the **GOOD** of everyone!