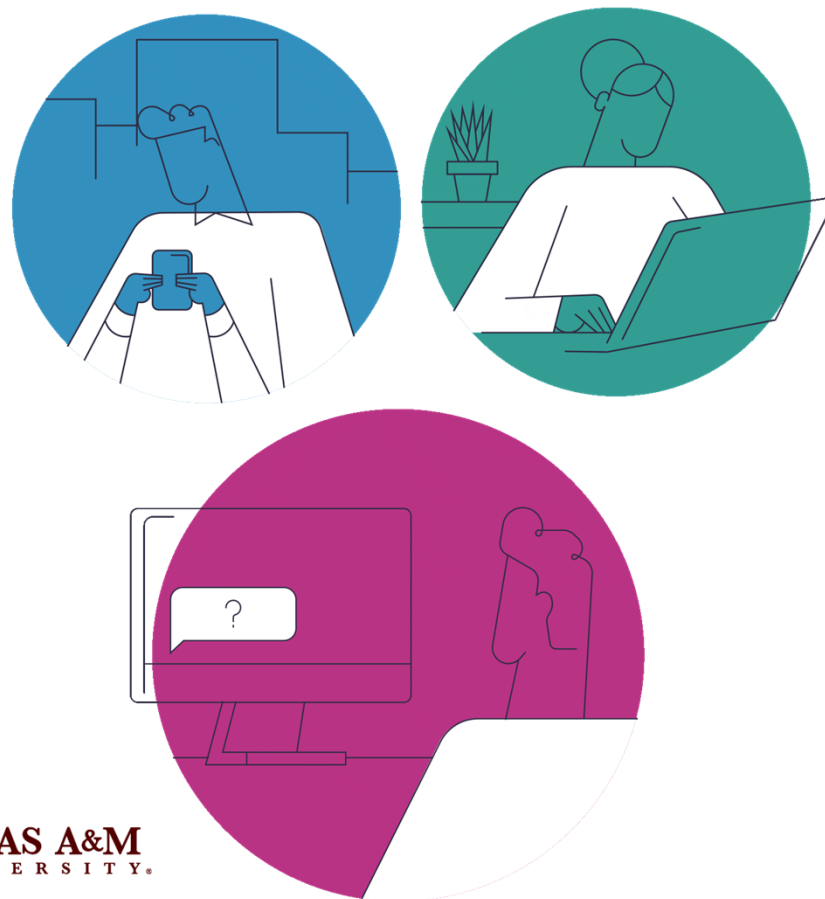




PEARC 26 Open OnDemand BoF

Alan Chalker



This work is supported by the National Science Foundation of the United States under the awards 1534949, 1835725, 2138286, 2303692, and 2411375-7

openondemand.org/pearc26

Quick Survey

OPEN  nDemand

Go to

www.menti.com

Enter the code

4320 6146



Or use QR code

Agenda

Introduction

Community Updates

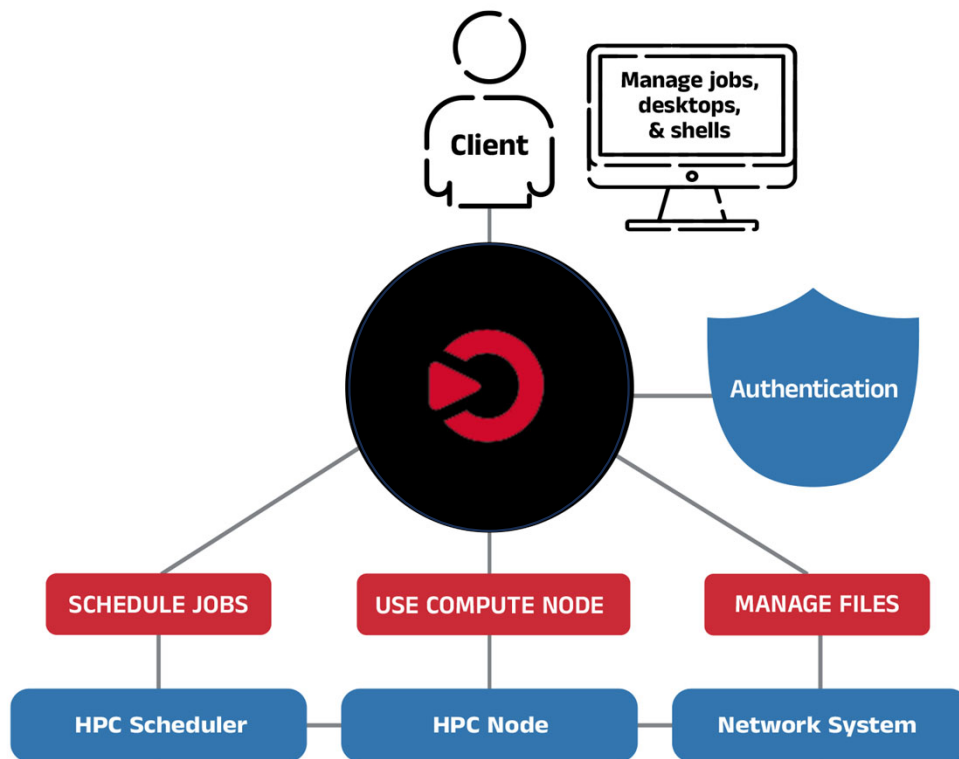
Support Updates

Technical Updates

Q&A



About Open OnDemand



Secure, browser-based
access to research
computing, AI, and HPC

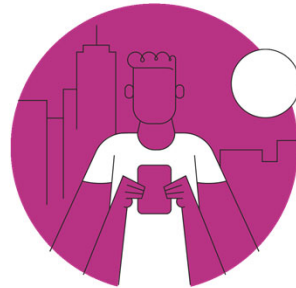
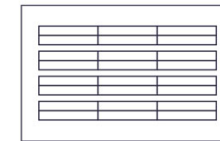
Dramatically lowers barriers
to advanced computing

openondemand.org/about-us

Run Open OnDemand

OPEN  nDemand

Access your organization's supercomputers through the web to compute 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.

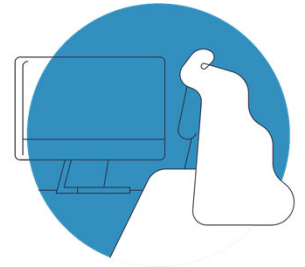
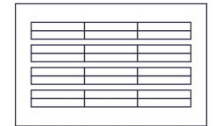
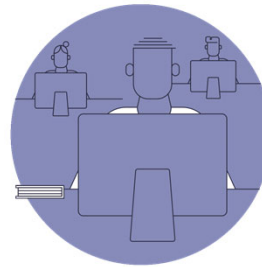


openondemand.org/run

Install Open OnDemand



Administer remote web 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.

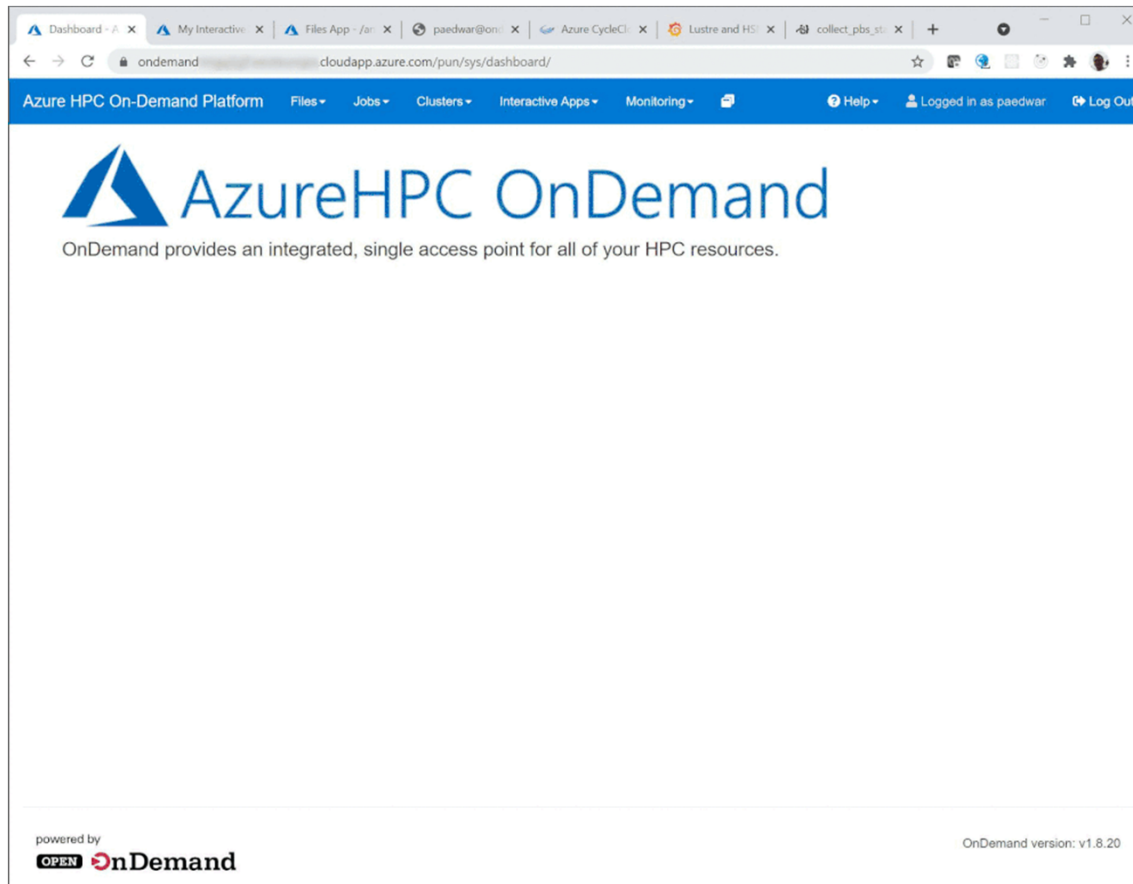
Configurable and flexible

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



openondemand.org/install

Commercial Cloud



OPEN OnDemand



openondemand.org/aws



openondemand.org/azure



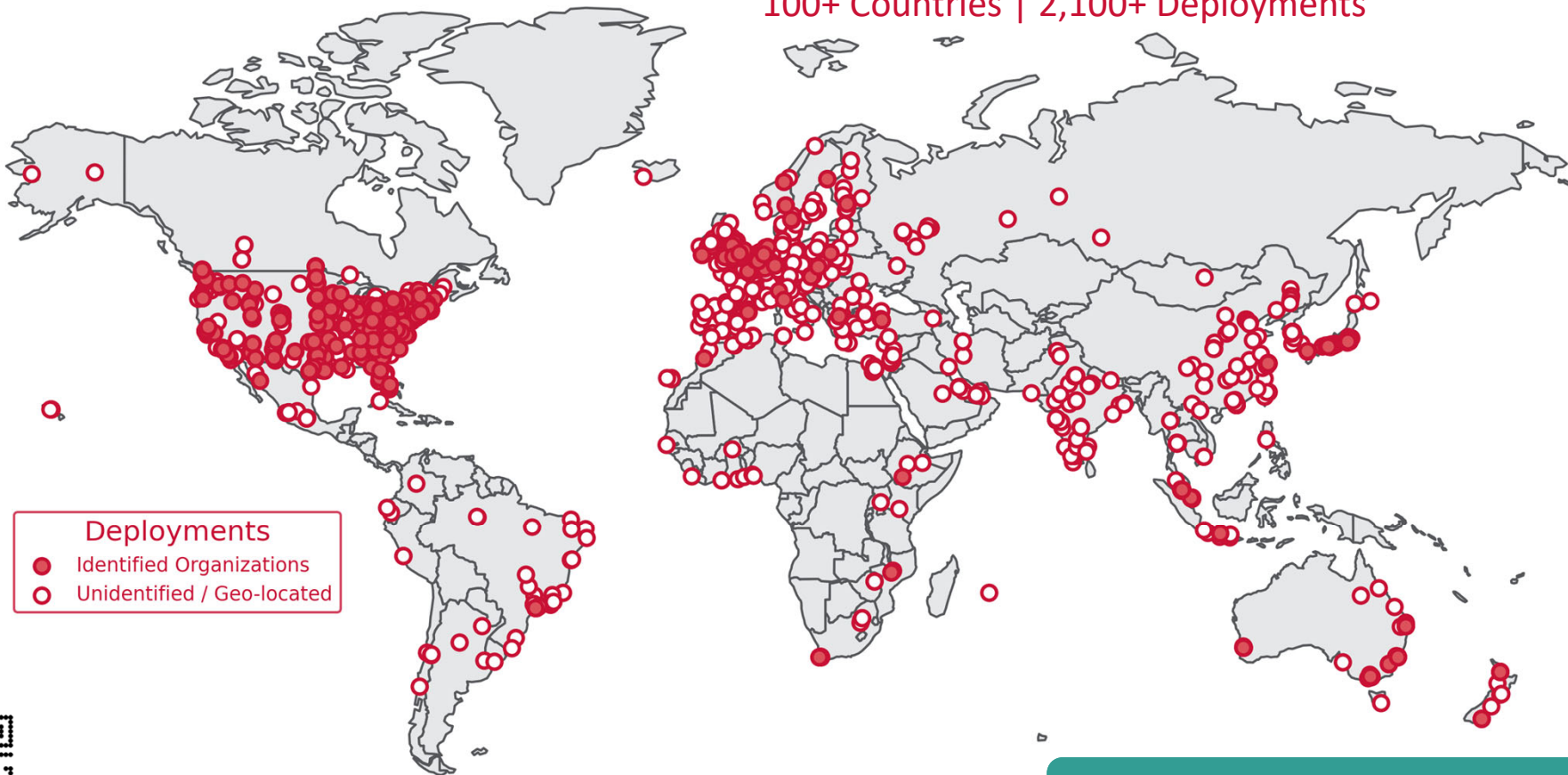
openondemand.org/gcp



openondemand.org/oci

Deployed Worldwide

100+ Countries | 2,100+ Deployments



openondemand.org/locations



Example Deployments

OPEN  nDemand

Nonprofit / Research centers



International academia



Government



Minority-serving institutions



Check the full list of identified organizations online and let us know if yours is missing.

Private academia



Public academia



Industry



openondemand.org/orgs



Agenda

Introduction

Community Updates

Support Updates

Technical Updates

Q&A



Key Collaborations

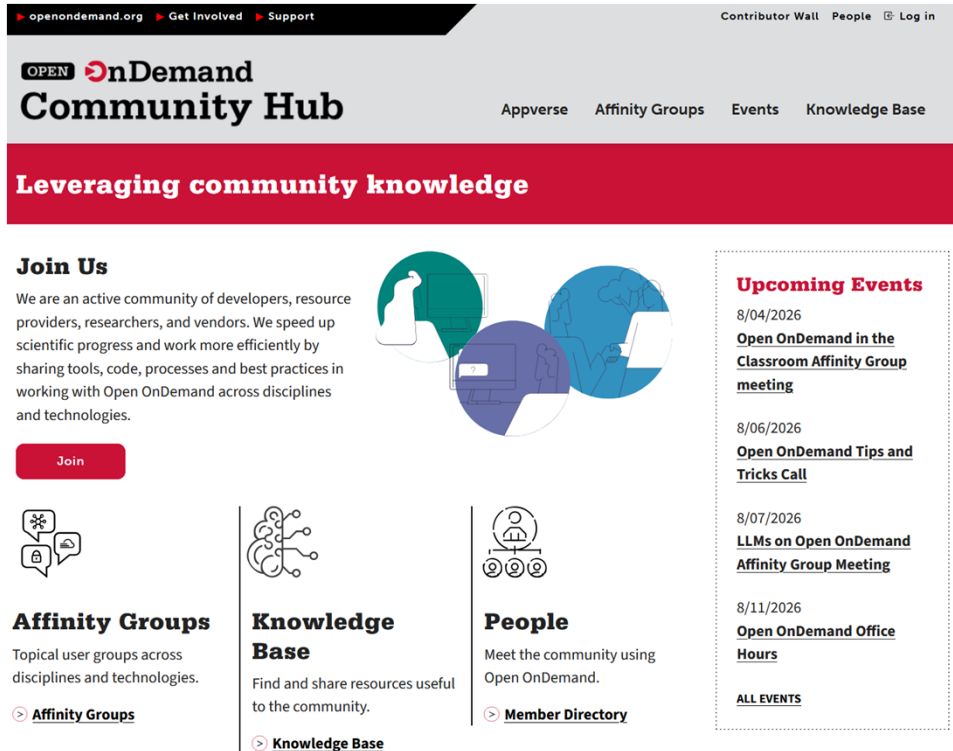
OPEN  nDemand



openondemand.org/our-partners



Community Hub



The screenshot shows the Open OnDemand Community Hub website. At the top, there's a navigation bar with links to openondemand.org, Get Involved, and Support. Below this, the main header features the 'OPEN nDemand Community Hub' logo and a secondary navigation bar with links to Appverse, Affinity Groups, Events, and Knowledge Base. A red banner below the header reads 'Leveraging community knowledge'. The main content area is divided into several sections: 'Join Us' with a description of the community and a 'Join' button; 'Affinity Groups' with an icon of three people and a description of topical user groups; 'Knowledge Base' with an icon of a tree and a description of finding and sharing resources; 'People' with an icon of a person and a description of meeting the community; and 'Upcoming Events' with a list of events including 'Open OnDemand in the Classroom Affinity Group meeting', 'Open OnDemand Tips and Tricks Call', 'LLMs on Open OnDemand Affinity Group Meeting', and 'Open OnDemand Office Hours'. A QR code is located in the bottom left corner of the screenshot.

- Affinity Groups
- Events
- Knowledge Base
- People Directory
- The Appverse
- Contributor Wall

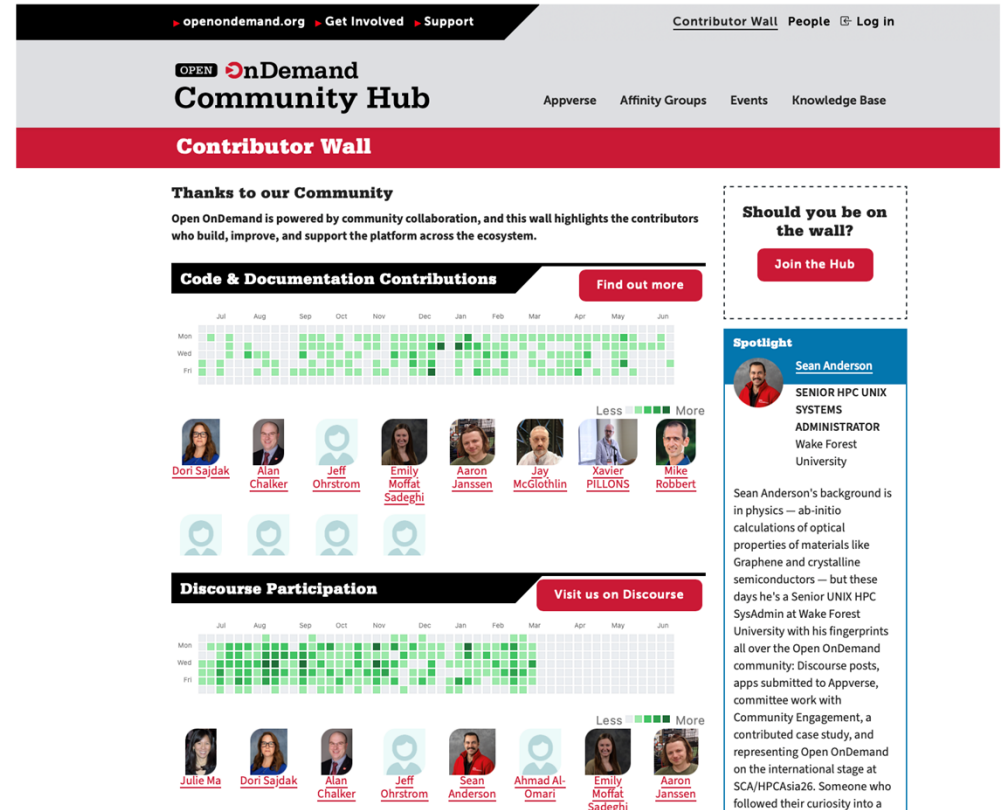
Hosted on Connect.CI infrastructure
(Drupal CMS + React frontend)

openondemand.org/hub



Contributor Wall

- ❖ Recognizing the contributions of our community
- ❖ Launched at GOOD26 in March 2026
- ❖ Add your Discourse and GitHub handles to your profile to show your work on the grid!



The screenshot displays the 'Contributor Wall' on the OpenOnDemand Community Hub. The page has a dark header with navigation links: 'openondemand.org', 'Get Involved', and 'Support'. On the right, there are links for 'Contributor Wall', 'People', and 'Log in'. Below the header, the 'OPEN nDemand Community Hub' logo is centered, with links for 'Appverse', 'Affinity Groups', 'Events', and 'Knowledge Base'. A red banner at the top of the main content area reads 'Contributor Wall'.

Thanks to our Community
Open OnDemand is powered by community collaboration, and this wall highlights the contributors who build, improve, and support the platform across the ecosystem.

Code & Documentation Contributions [Find out more](#)

A calendar grid shows contributions from July to June. Below the grid, contributor profiles are listed with their names and GitHub handles: Don Sajdak, Alan Chalker, Jeff Ohrstrom, Emily Moffat, Aaron Janssen, Jay McGlothlin, Xavier PILLONS, and Mike Robbert. A 'Less' and 'More' link is also present.

Discourse Participation [Visit us on Discourse](#)

Another calendar grid shows discourse participation. Below it, contributor profiles are listed: Julie Ma, Don Sajdak, Alan Chalker, Jeff Ohrstrom, Sean Anderson, Ahmad Al-Omari, Emily Moffat, and Aaron Janssen. A 'Less' and 'More' link is also present.

Spotlight

Sean Anderson
SENIOR HPC UNIX SYSTEMS ADMINISTRATOR
Wake Forest University

Sean Anderson's background is in physics — ab-initio calculations of optical properties of materials like Graphene and crystalline semiconductors — but these days he's a Senior UNIX HPC SysAdmin at Wake Forest University with his fingerprints all over the Open OnDemand community: Discourse posts, apps submitted to Appverse, committee work with Community Engagement, a contributed case study, and representing Open OnDemand on the international stage at SCA/HPCAsia26. Someone who followed their curiosity into a

[Join the Hub](#)

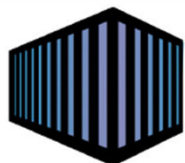
[Openondemand.org/hub](https://openondemand.org/hub)

Affinity Groups

OPEN  nDemand



Appverse



Containers



Security Best Practices



Affinity Group Coordinators



Microsoft Azure



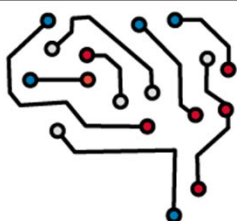
Customizing the Backend



Classroom



Structural Biology Apps



LLMs



Multilingual Community



Project Design

Join a group or start a new one.



openondemand.org/hub



Introducing the Appverse



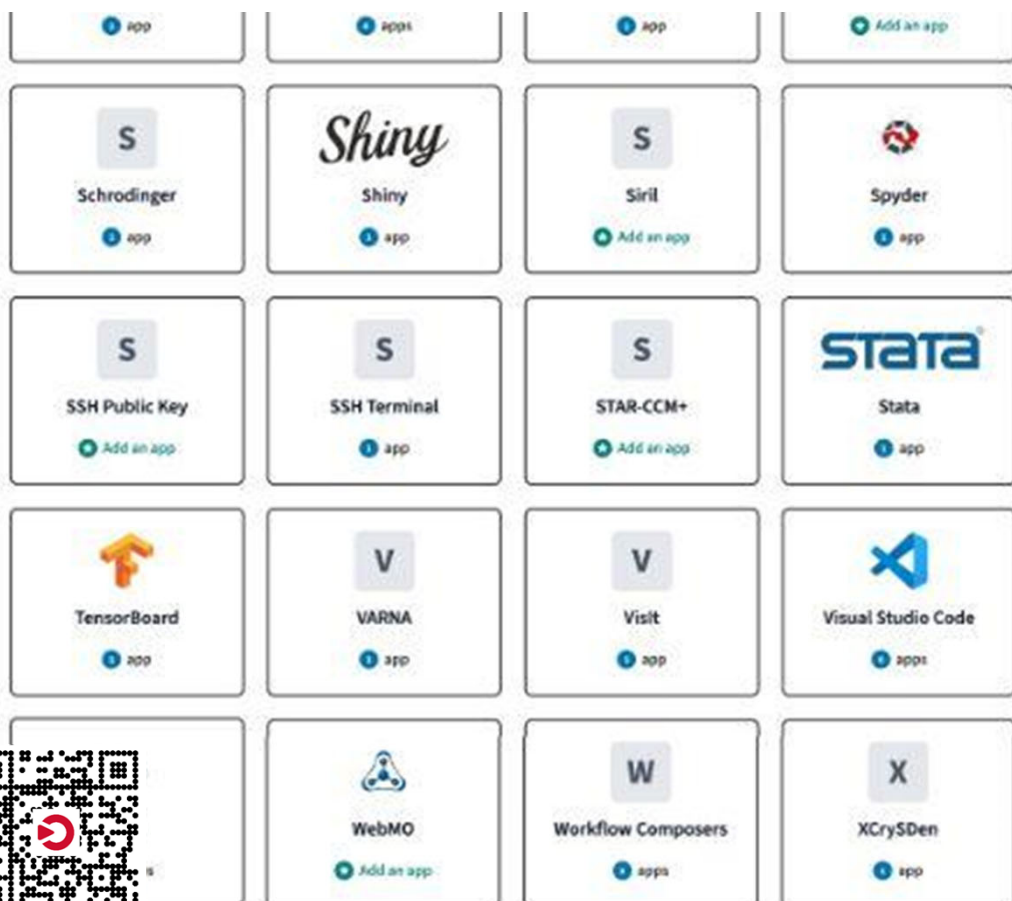
A community-driven catalog for Open OnDemand apps

100+ Apps cataloged

40+ Software Packages

20+ Contributing Organizations
OSC, Harvard/FASRC, Fred Hutch,
TAMU, Utah CHPC, WFU , NeSI,
RIKEN & more

openondemand.connectci.org/appverse



Join our Committees



Technical Committee

Oversees software decisions, works with Dev Rel PM to provide guidance on pull requests, bug fixes, releases and updates. Nominates a Steering Council rep.



Contributor Guide

Maintains the Contributor Guide to provide clear, well-defined guidelines for contributing code and documentation to the project.



User Documentation

Writes and maintains documentation to ensure the system admin community can install and the user community can run Open OnDemand quickly and easily.



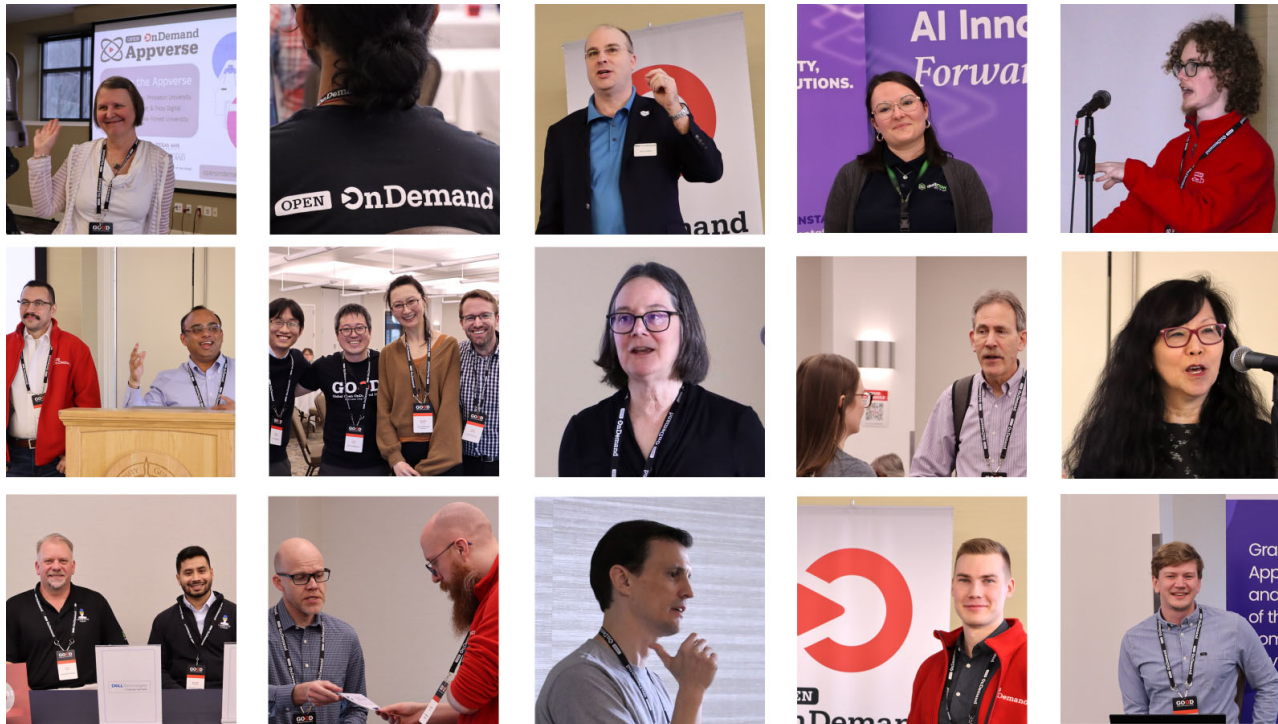
Community Engagement

Builds the Open OnDemand community through affinity groups, community calls, events, support and partnerships. Nominates a Steering Council representative.

openondemand.org/get-involved

Annual Conference

OPEN OnDemand



GO-D
Global Open OnDemand Conference

**Still looking for a
host site for 2027!**

openondemand.org/good2026



Agenda

Introduction

Community Updates

Support Updates

Technical Updates

Q&A



Community Events

OPEN  nDemand



Open office hours

Join our development team on Zoom to ask questions or share suggestions.

2nd Tuesdays, 11:15 AM to 12:45 PM ET



Tips and tricks calls

Community-hosted webinars sharing best practices for setting up and using Open OnDemand.

Next Americas call, hosted by the University of Utah:
8/6 1:00 PM EST (UTC-5)

Next Asia Pacific call, hosted by Do IT Now:
8/17 4:00 PM NZDT (UTC+13)

Next EMEA call, hosted by Do IT Now:
9/3 4:00 PM CET (UTC+1)



openondemand.org/events

Free Support Program



Discuss on Discourse

The Get Help category features user and admin questions and answers.

openondemand.org/discourse



Slack Workspace

Communicate and collaborate with the project team and community members.

openondemand.org/slack



GitHub Documentation

Outlines installation steps, app guidelines, release notes, and more.

openondemand.org/docs



Constant Contact Newsletter

Subscribe to get notices about upcoming events, new releases and user stories.

openondemand.org/newsletter

openondemand.org/support



Customizable Support Subscription



BASIC	PRO	ELITE
Priority support and early releases ✓ Private Discourse Forum and GitHub access ✓ Early access to updates	+ Private support and event exclusives ✓ Scheduled support sessions (3 or 6 per quarter) ✓ Recognition at public events ✓ Special event invitations ✓ Exclusive brand items	+ More private support and priority Open OnDemand staff access ✓ Flexible, as-needed support sessions (6 or 12 per quarter) ✓ Support via email ✓ Access to developer sessions at major public events

openondemand.org/subscribe



What Would be of Value?

There has been lots of interest in the paid support program, but little actual enrollment.

Looking for suggestions as to what we can do to better meet the needs of the community.

Potential examples:

Different pricing / contracting mechanisms

Embargo periods for new releases

Priority discourse / slack interactions

openondemand.org/subscribe



How Can You Get Involved?

You do not need to be a developer to contribute

Ask & Answer

Discourse questions,
troubleshooting, support

Share Feedback

Bug reports, feature ideas, issue
comments

Improve the Project

Docs, code, customizations,
adapters, apps

Share Your Experience

Conference presos, case studies,
affinity groups, committees

Every contribution helps shape what OOD becomes

openondemand.org/get-involved

Agenda

Introduction

Community Updates

Support Updates

Technical Updates

Q&A



Recent Software Releases

Open OnDemand Version 4.1

- HTTPS proxying to secure origins
- Integrated module browser
- ThinLinc integration
- Job Composer deprecation
- Adds support for RHEL 10

Open OnDemand Version 4.2

- Accessibility conformance with ADA/WCAG – VPAT/ACR issued
- Software Bill of Materials (SBOM)
- Debian 13/ Ubuntu 26.04 support
- Docker demo container

openondemand.org/releasesnotes

Lmod Module Browser

Search Modules

Cluster

All Clusters ▾

Showing 3 results

Openai Python

Python

Available modules: (select version)

Cluster	Versions	
Ascend	3.12	3.10
Cardinal	3.12	
Pitzer	3.12	3.10

Project Manager

Launchers ▼

Run Simulation 

Launch

Show

Edit

Delete

Collect Weather 

Launch

Show

Edit

Delete

Compute Results 

Launch

Show

Edit

Delete

Active Jobs

3650335 Running

3650336 Queued

Completed Jobs

3354829

3354847

3354852

3357146

3357147

3357157

3357158

3357166

3357167

3357169

3357170

3357175

Project Manager: Workflows

Import Data

Add Launcher

Connect Launchers

Delete Launcher

Delete Edge

Submit

Restore

Clear

Save

Back

Click title to select and drag. Connect by clicking two launchers with 'Connect Launchers' selected

Import Data

Launch

Show

Edit

Job Info

Run Simulation

Launch

Show

Edit

Job Info

Collect Statistics

Launch

Show

Edit

Job Info

Project Priorities

Core Commitments

Accessibility
Governance
Security
Sustainability

Areas of Focus

Docs & Training
Core Tech Integrations
App Publishing & Portability
Dev Tools & Processes

What's Coming Soon?

Workflows Expansion (e.g. Appverse integration)

New Virtual Desktops (e.g. Wayland vs X)

Better Docs (e.g. markdown hosting)

Security Improvements (e.g. proxy update scoping)

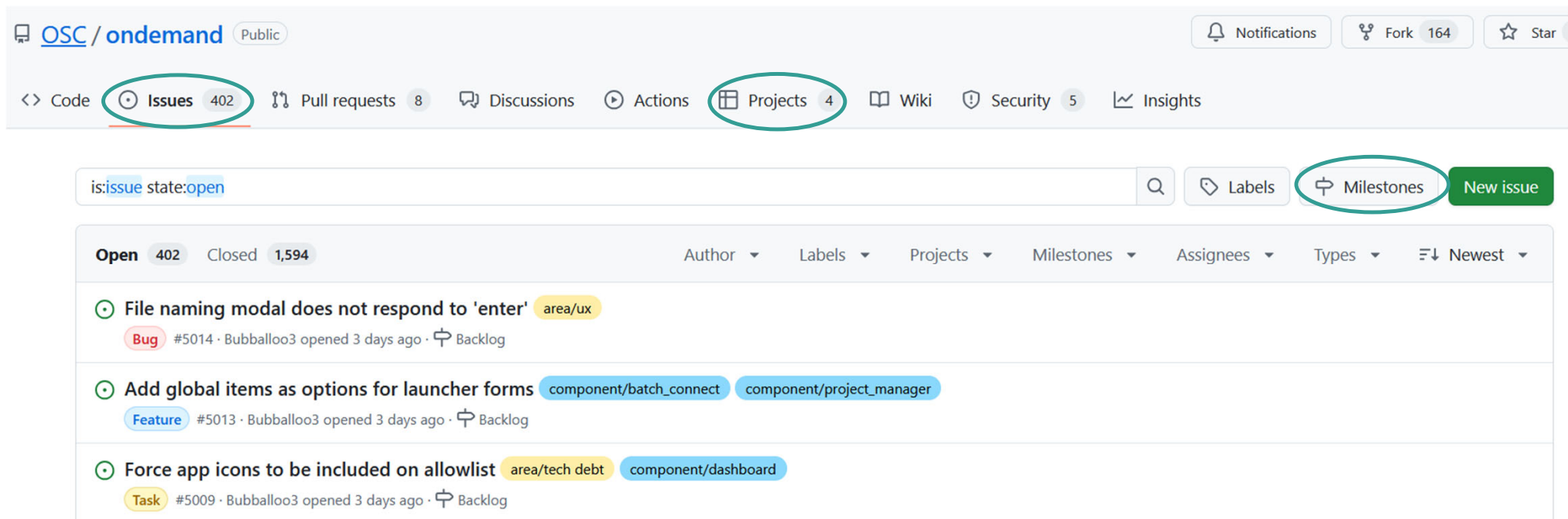
Dev Automation (e.g. start-to-finish scheduler testing)

AI Tools Incorporation (e.g. MCP API)

openondemand.org/issues

View the Action

GitHub Main Repository: ondemand



OSC / ondemand Public

Notifications Fork 164 Star

<> Code Issues 402 Pull requests 8 Discussions Actions Projects 4 Wiki Security 5 Insights

is:issue state:open

Labels Milestones New issue

Open 402 Closed 1,594

Author Labels Projects Milestones Assignees Types Newest

- File naming modal does not respond to 'enter' area/ux Bug #5014 · Bubbaloo3 opened 3 days ago · Backlog
- Add global items as options for launcher forms component/batch_connect component/project_manager Feature #5013 · Bubbaloo3 opened 3 days ago · Backlog
- Force app icons to be included on allowlist area/tech debt component/dashboard Task #5009 · Bubbaloo3 opened 3 days ago · Backlog



openondemand.org/github

Thank You!



Alan Chalker
alanc@openondemand.org

Come visit us at our booth!



openondemand.org/pearc26

Open Floor Discussion

OPEN  nDemand

Go to

www.menti.com

Enter the code

4320 6146



Or use QR code