



nDemand

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User Group BoF Agenda



Ohio Supercomputer Center



1. **About Open OnDemand**
2. Project Plans
3. Key Items of Note
4. Open Floor Discussion

OPEN



nDemand

OPEN

OnDemand

Supercomputing. Seamlessly.
Open, Interactive HPC Via the Web

openondemand.org

Connecting computing power with powerful minds

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

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

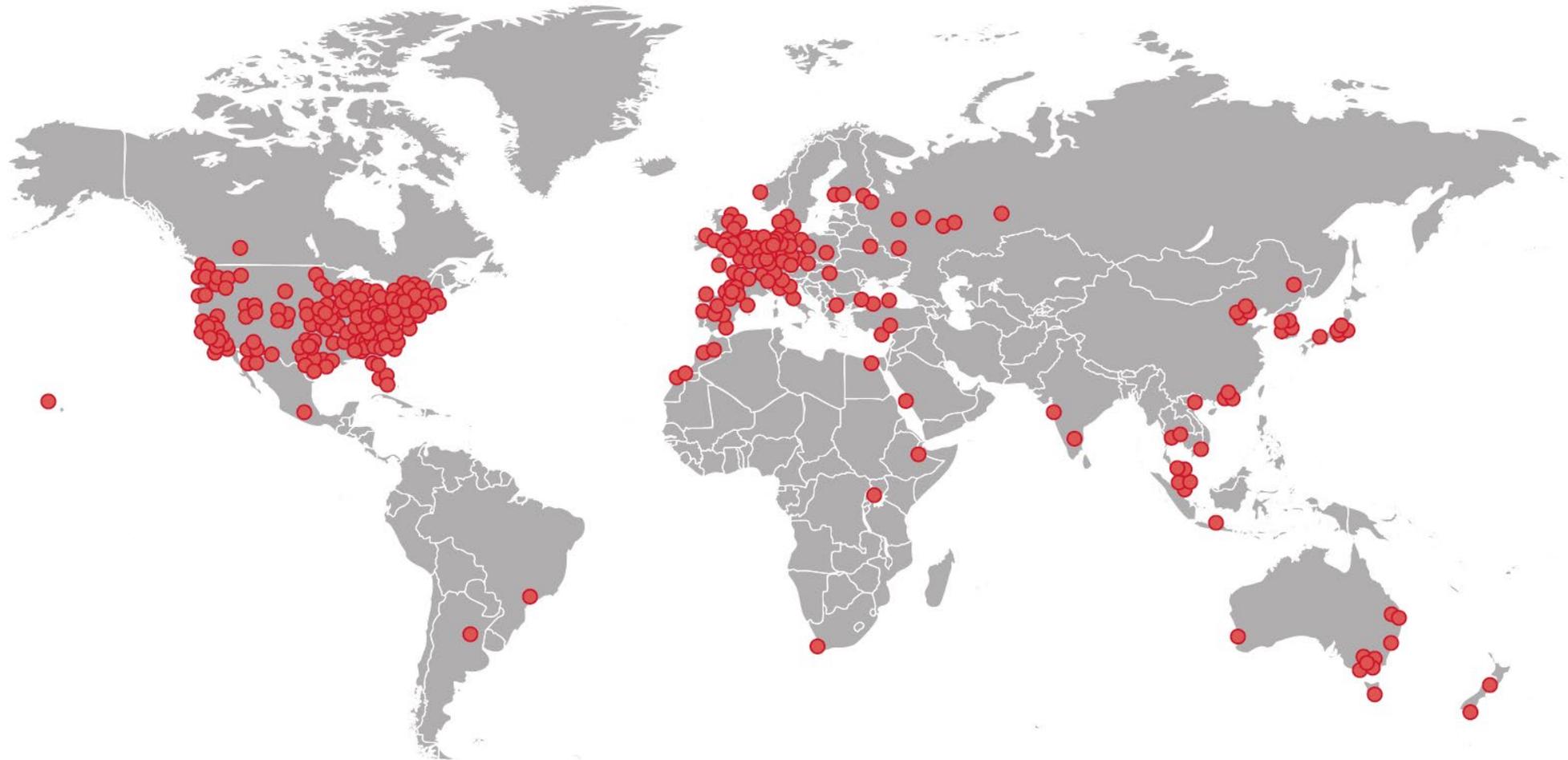
Install Open OnDemand for free, and gather knowledge from our large open-source community.

Configurable and flexible

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

Deployed Worldwide

More than 250 active installations



Deployments



**Don't see your logo?
Let us know!**

Get Involved!

- Use our Discourse instance for help
<https://discourse.openondemand.org/>
- Monthly “Tips and Tricks” webinars – 1st Thursday of the month (Thanks Martin Cuma!) – recordings on website
- Monthly open office hours – 2nd Tues of the month
- Submit a Github issue

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Out Now – dynamic javascript

- Hide options depending on current selection
 - hide *hugemem* when cluster changes to *owens*.
- Set min & max
 - Set *hugemem*'s min and max to 42 when cluster changes to *owens*.
- Set a field based on another
 - Set account to *python27* when 2.7 option is chosen.
- Semantics use the existing `data-` attributes.
- More to come!

```
- [
  "gpu",
  # this bad option is kept here so that in testing, it doesn't throw errors
  data-option-for-not-real-choice: false,
  data-max-some-element-for-3rd-element-value: 10,
  data-max-bc-num-slots-for-cluster-owens: 28,
  data-min-bc-num-slots-for-cluster-owens: 2,
  data-max-bc-num-slots-for-cluster-oakley: 40,
  data-min-bc-num-slots-for-cluster-oakley: 3,
]
- [
  "hugemem",
  data-option-for-cluster-oakley: false,
  data-max-bc-num-slots-for-cluster-owens: 42,
  data-min-bc-num-slots-for-cluster-owens: 42
]
- [
  "advanced",
  data-option-for-cluster-oakley: false,
  data-max-bc-num-slots-for-cluster-oakley: 9001
]
```

```
- [
  "2.7",
  data-option-for-node-type-advanced: false,
  data-set-bc-account: 'python27'
]
```

Q3/Q4 Goals

- Fine tune our documentation
- Fine tune our processes
- Create some coding standards
- Enhance test coverage
- Increased performance gains
- Get more external contributors (YOU!)

2.1 Projects in Flight

- Quick Launch Apps
 - Apps with preset values that launch with 1 click.
- New Job Composer Alpha
 - Provides improved project management for researchers.
- Support for multiple homepage layouts (Harvard)
- Cloud Storage (S3, Swift, One Drive, etc.) (CSC – Finland)
- You like living on the edge?
 - RPMs are being produced every day with latest & greatest features.
 - Follow <https://github.com/OSC/ondemand/issues/1780> for updates!

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Website Revamp Coming

OPEN OnDemand

- + Run Open OnDemand
- + Install Open OnDemand
- + Get Involved
- + Read Our Story
- + Support

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Connecting Computing Power With Powerful Minds

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 - How to Contribute
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 - Community Testimonials
 - Featured Press
- + Read Our Story
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Get Involved

Our community is always growing. If you'd like to support Open OnDemand, there are plenty of ways, both big and small, to get involved.

How to Contribute

Want to join the collaborative effort behind Open OnDemand? Here's how you can help.

- Spread the word (Megaphone icon)
- Make a suggestion (Document icon)
- Engage with us (Handshake icon)

In the News

AMP

ACCESS MATCH Portal

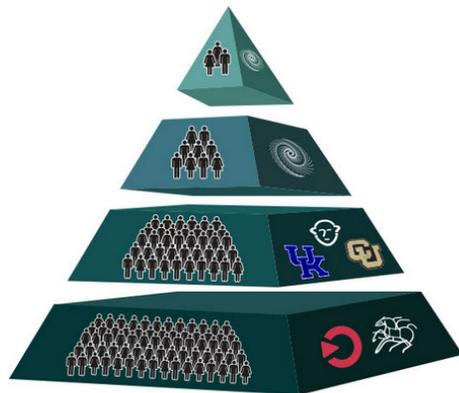
MATCH

Multi-tier Assistance, Training & Computational Help

AMP Home

MATCH is a new approach to providing cost-effective scaled support to the broad scientific community using national cyberinfrastructure. MATCH was developed in response to Track 2 of the [NSF ACCESS solicitation](#) and is funded by [NSF Award #2138286](#).

Tiered Support Strategy



- TIER 4 MATCH-Premier**
LONG-TERM EMBEDDED SPECIALISTS
- TIER 3 MATCH-Plus**
SHORT-TERM SUPPORT PARTNERSHIPS
- TIER 2 Curated Knowledge Base**
COMMUNITY EXPERTS
- TIER 1 Easy to Use Tools**
ACCESS ONDEMAND AND PEGASUS

CloudCluster HPC with Open OnDemand
By: [Omnibond Systems LLC](#) Latest Version: 3.2.1
Self Service HPC and Parallel Computation with Open OnDemand
Linux/Unix
[Free Trial](#)

Continue to Subscribe
Save to List
Typical Total Price
\$0.03/hr
Total pricing per instance for services hosted on t3.small in US East (N. Virginia). [View Details](#)

Overview Pricing Usage Support Reviews

Product Overview

CloudCluster provides self-service HPC and Parallel computation in your own AWS account, complete with Open OnDemand; Slurm and Torque scheduler, compute and storage based on OrangeFS, EFS and S3. CloudCluster comes ready to compute with a wide variety of popular parallel and machine learning libraries and common simulation and scientific software. IMPORTANT: For the best experience follow the Quickstart: <http://docs.aws.cloudycluster.com/quickstart-deployment-guide/> and Videos: <http://aws.cloudycluster.com/videos>

Version	3.2.1
By	Omnibond Systems LLC
Video	See Product Video
Categories	High Performance Computing Storage Data Analytics
Operating System	Linux/Unix, CentOS 7.4
Delivery Methods	CloudFormation Template

Highlights

- Collaborative Self-Service HPC and Parallel Computation in your own AWS account with Open OnDemand HPC User Interface.
- Use the included CCQ meta-scheduler to launch elastic autoscaling HPC jobs using on-demand and spot instances. All through a familiar HPC environment with Open OnDemand, login node, common scheduler and choices for storage.
- Popular HPC and machine learning software is pre-installed and configured for use so you can focus on your research and scientific computing.

Related Products

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