

Open OnDemand: Interactive HPC via the Web

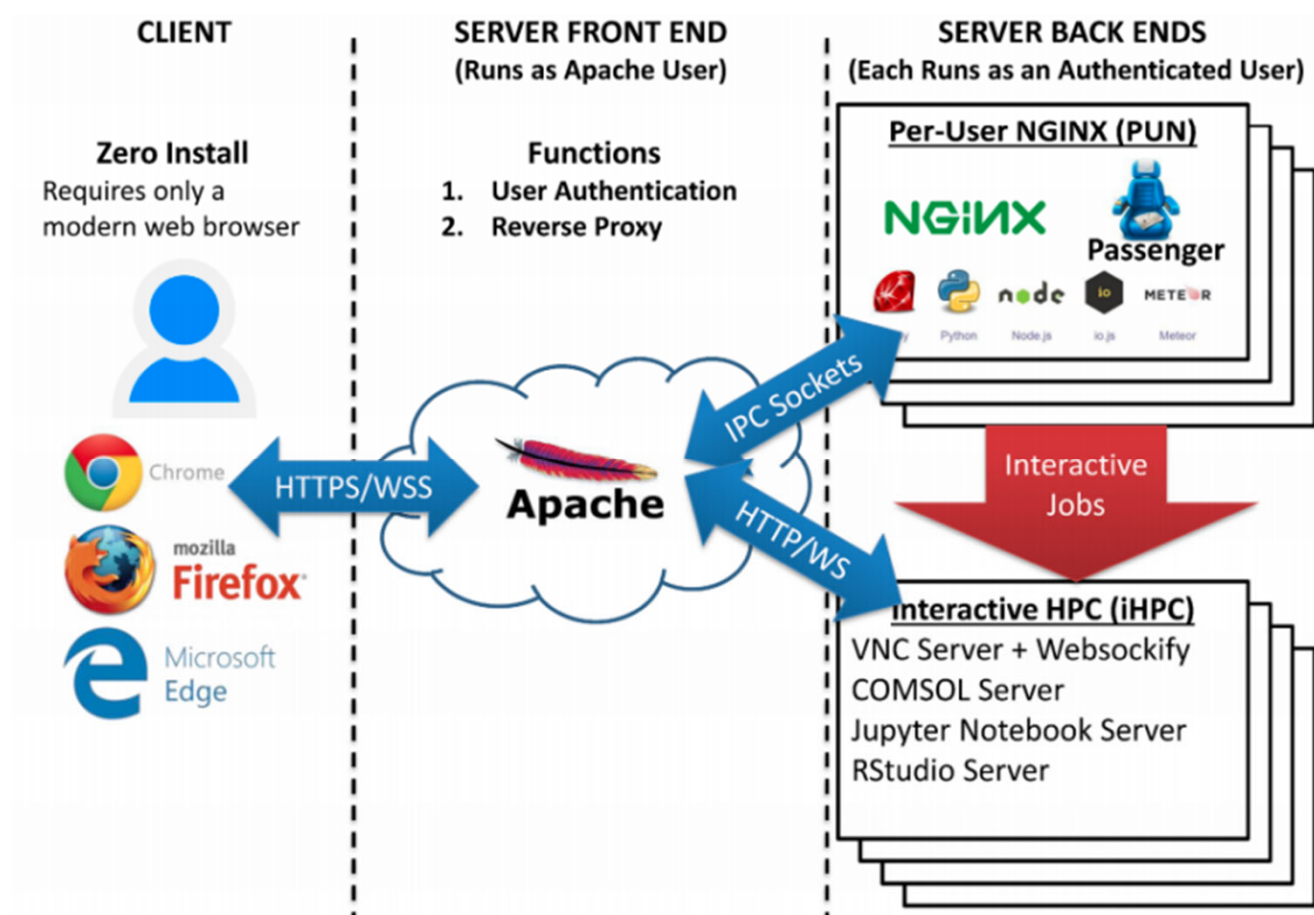
Outline

- What is Open OnDemand?
- Open OnDemand architecture
- Open OnDemand at LSU and LONI
- Walkthrough (demo)
 - Logging into Open OnDemand
 - File explorer
 - Shell Access
 - Submit and monitor jobs
 - Interactive applications: Jupyter Notebook/Lab, RStudio, etc.

What is Open OnDemand

- Interactive HPC via the web
 - Easy to use, plugin-free, web-based access to supercomputers
 - File management
 - Command line shell access
 - Job management and monitoring
 - Interactive applications (e.g. Jupyter, RStudio)
- Developed by Ohio Supercomputing Center through NSF-funded projects
- Deployed at dozens of universities and supercomputing centers

Open OnDemand Architecture



Getting Started



Username:

Password:

[Forgot your password?](#)

[Provide Website Feedback](#)
[Accessibility Statement](#)

Provide Website Feedback
Accessibility Statement

Main Menu

- login to site
- request login
- Request Allocation for smic
- Request Allocation for deepbayou
- About



Username:

Password:

[Forgot your password?](#)

Provide Website Feedback
Accessibility Statement

Main Menu

- login to site
- request login
- Request Allocation for Dell_Cluster
- About

To access the portal: LSU/LONI HPC account
To run jobs/apps: LSU/LONI HPC allocation

Access Open OnDemand - LSU



Log in with LSU HPC credentials at
<https://ondemand.smic.hpc.lsu.edu>

Open OnDemand is currently on SuperMIC only

Access Open OnDemand - LONI

paloalto
NETWORKS

GlobalProtect Portal

Username

Password

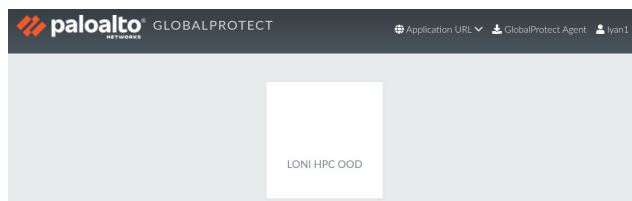
LOG IN

Step 1

Log in at

<https://hpcood.loni.org>

With LONI HPC
credentials



Step 2

Click on the "LONI HPC
OOD" link



High Performance Computing
OPEN OnDemand

Log in with your LONI HPC username and password.

username

password

Log in to Open OnDemand

No LONI HPC account? Click [here](#) to request one.

Step 3

Log in with LONI HPC
credentials

LONI HPC OnDemand Files Jobs Clusters Interactive Apps

High Performance Computing
OPEN OnDemand

OnDemand provides an integrated, single access point for all of your HPC resources.

Message of the Day

Welcome to the LONI HPC OnDemand portal!

With the OnDemand web portal, you can:

- Manage, download and upload files to the HPC systems (click links in the "Files" on the top of this page)
- Check allocation balances
- Check disk usage and quotas
- Check job status
- Submit jobs using templates
- Access HPC systems via a terminal
- Run interactive apps such as Jupyter Notebook/Lab and Rstudio (click links in the "Interactive Apps" on the top of this page)

Open OnDemand is currently on QB-2 only

Walkthrough/Demo

Questions?