

Open OnDemand: Interactive HPC via the Web

Outline

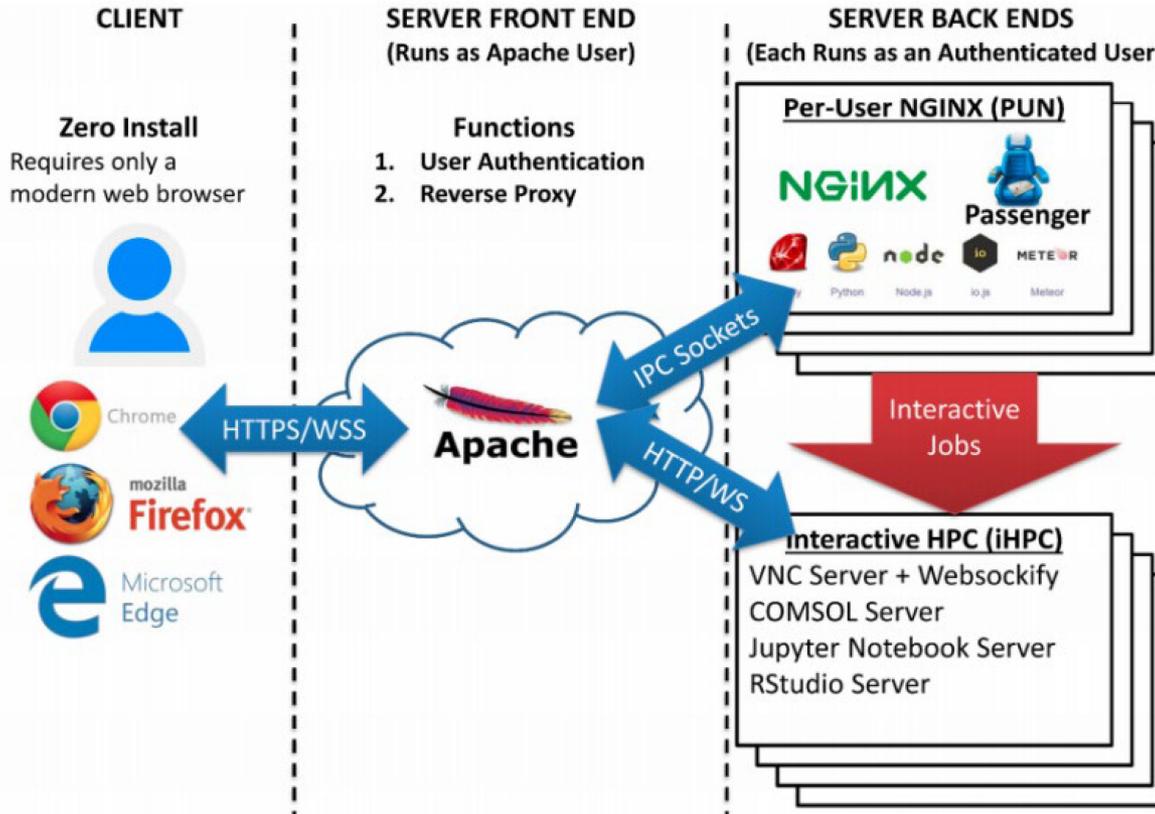
- Introduction
- Open OnDemand at LSU and LONI
- Demo
 - Logging into Open OnDemand
 - File explorer
 - Shell Access
 - Submit and monitor jobs
 - Interactive applications: Jupyter Notebook/Lab, RStudio, etc.

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

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Getting Started



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](#)

Provide Website Feedback
Accessibility Statement

Main Menu

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

Username:

Password:

[Forgot your password?](#)

To access the portal, you need an LSU/LONI HPC account.

To run jobs/apps, you need an LSU/LONI HPC allocation.

Access Open OnDemand - URLs

LONI

QB-3: <https://ondemand.qbc.loni.org>

QB-4: <https://ondemand.qbd.loni.org>

LSU

SM-3: <https://ondemand.mike.hpc.lsu.edu>

Access Open OnDemand – LONI Steps

LONI

Step 1 Download the Global Protect VPN client at <https://hpccod.loni.org>.

After logging in with your **LONI HPC** credentials, you should see this page:



GlobalProtect Portal

[Download Windows 32 bit GlobalProtect agent](#)

[Download Windows 64 bit GlobalProtect agent](#)

[Download Mac 32/64 bit GlobalProtect agent](#)

Windows 32 bit OS needs to download and install Windows 32 bit GlobalProtect agent.

Windows 64 bit OS needs to download and install Windows 64 bit GlobalProtect agent.

Mac OS needs to download and install Mac 32/64 bit GlobalProtect agent.

Please choose one that fits your operating system.

Access Open OnDemand – LONI Steps

LONI

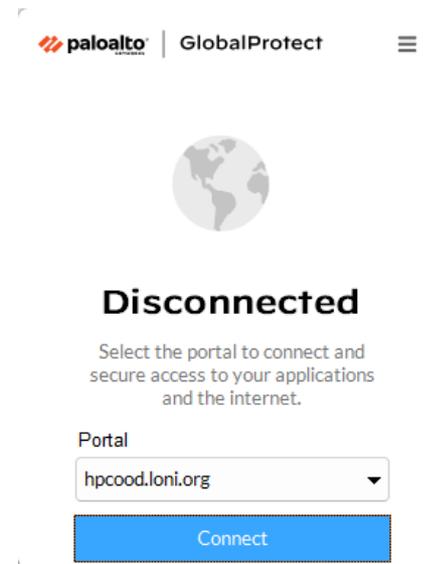
Step 2 Install the Global Protect VPN client you just downloaded.

Access Open OnDemand – LONI Steps

LONI

- Step 3 Open the Global Protect VPN client you just installed. If prompted for the Portal Address, enter **hpccod.loni.org**, then click “Connect”.

You may need to enter your **LONI HPC** credentials.



Access Open OnDemand – LONI Steps

LONI

- Step 4 Once the Global Protect VPN is connected, you should be able to access the QB-3 and QB-4 OOD portals with any browser of your choice.

Access Open OnDemand – LSU Steps

LSU

Step 1 Download the Global Protect VPN client at <https://gp.vpn.lsu.edu>.

After logging in with your **LSU** credentials, you should see this page:



GlobalProtect Portal

[Download Windows 32 bit GlobalProtect agent](#)

[Download Windows 64 bit GlobalProtect agent](#)

[Download Mac 32/64 bit GlobalProtect agent](#)

Windows 32 bit OS needs to download and install Windows 32 bit GlobalProtect agent.

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Access Open OnDemand – LONI Steps

LSU

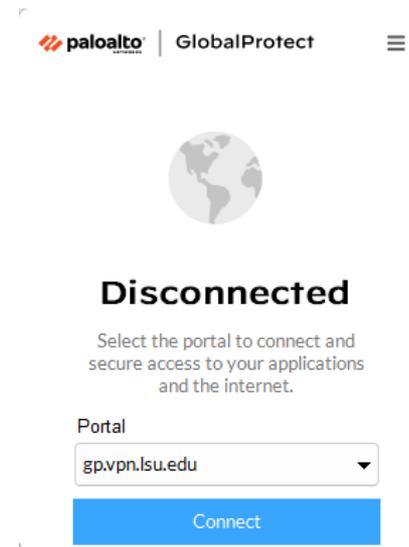
Step 2 Install the Global Protect VPN client you just downloaded.

Access Open OnDemand – LONI Steps

LSU

- Step 3 Open the Global Protect VPN client you just installed. If prompted for the Portal Address, enter **gp.vpn.lsu.edu**, then click “Connect”.

You may need to enter your **LSU** credentials.



Access Open OnDemand – LONI Steps

LSU

- Step 4 Once the Global Protect VPN is connected, you should be able to access the SM-3 OOD portals with any browser of your choice.

Access Open OnDemand – without VPN

If you have a wired connection on LSU campus, you can access both LSU and LONI OOD portals without the VPN connect.

Demo

Questions?