

HPC Web Portal – Open OnDemand

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Workshop

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**Digital Research
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Software Developer and DevOps Specialist since 2017

Linux User/Admin since 2005

What is Open OnDemand?

Open OnDemand is an HPC web portal that allows organizations to provide web access to their HPC resources in an easy way.

Funded by [U.S. National Science Foundation](#) (NSF).

Developed/Maintained by [Ohio Supercomputer Center](#) (OSC).

Open OnDemand features

- ▶ Files management
- ▶ Command-line shell access
- ▶ Jobs management and monitoring
- ▶ Graphical desktop environments and desktop applications

Open OnDemand on Grex

- ▶ First installation in 2021
- ▶ Current installed version is 4.0.7
- ▶ Can only be accessed from UManitoba campuses
- ▶ Requires [UManitoba VPN](#) when connecting from outside campus
- ▶ Available at <https://ood.hpc.umanitoba.ca>

Open OnDemand on Grex

Some available applications

- ▶ Simplified generic desktop (XFCE)
- ▶ OVITO (Open Visualization Tool)
- ▶ JupyterLab Server
- ▶ MATLAB Server
- ▶ RStudio Server

Questions?

Thank you