

# HPC Web Portal – Open OnDemand

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Workshop

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**University  
of Manitoba**



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Alliance** of Canada

# Stefano Ansaloni

Cloud Computing Specialist at University of Manitoba  
(part of the Advanced Research Computing team)

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 4.0.3
- ▶ 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



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Questions?

Thank you