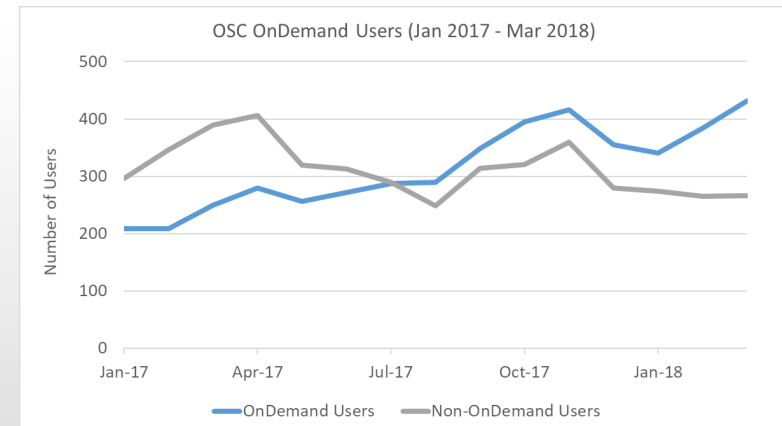# OPEN OnDemand

Overview

- Single point of entry for HPC Access
- User needs: URL, ID, Password
- Single sign-on
- Completely browser-based
- Firewall friendly (all traffic over https)
- Installable on a range of cluster types
- Per-user architecture for security
- Easy onboarding of users new to HPC
- Connects user to apps on compute node
- App developer interface

OSC Install Details and Impact

- Launched Sep. 2016, serving OSC clients globally
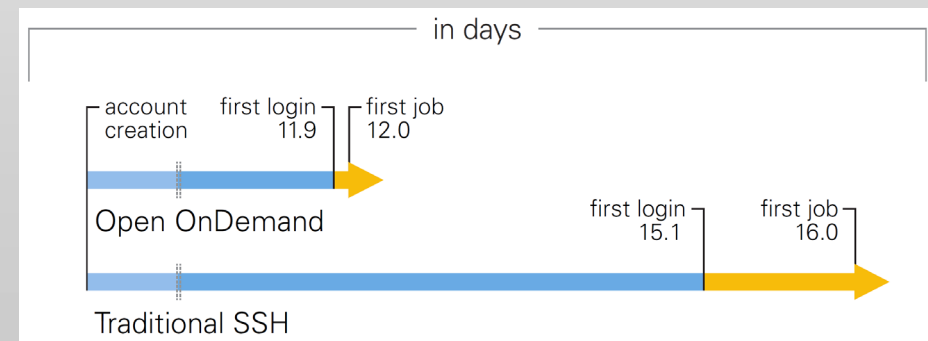- % of users has steadily increased since launch

OSC OnDemand Users (Jan 2017 - Mar 2018)

Number of Users

Jan-17   Apr-17   Jul-17   Oct-17   Jan-18

OnDemand Users   Non-OnDemand Users

- OnDemand users start work faster than traditional users, both in terms of first login and job submission

in days

account creation   first login 11.9   first job 12.0

Open OnDemand

first login 15.1   first job 16.0

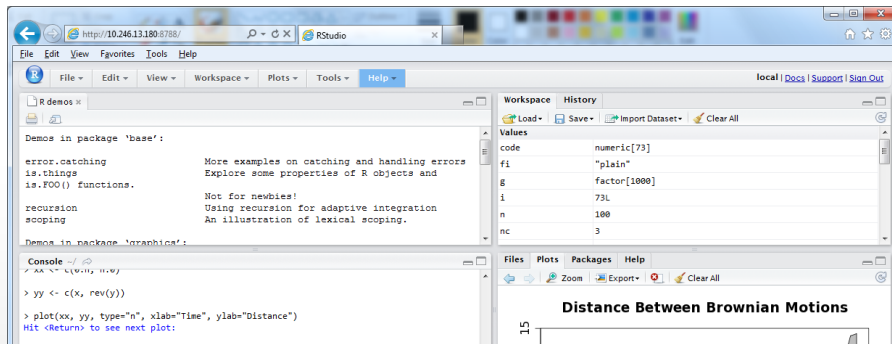Traditional SSH

Ohio Supercomputer Center
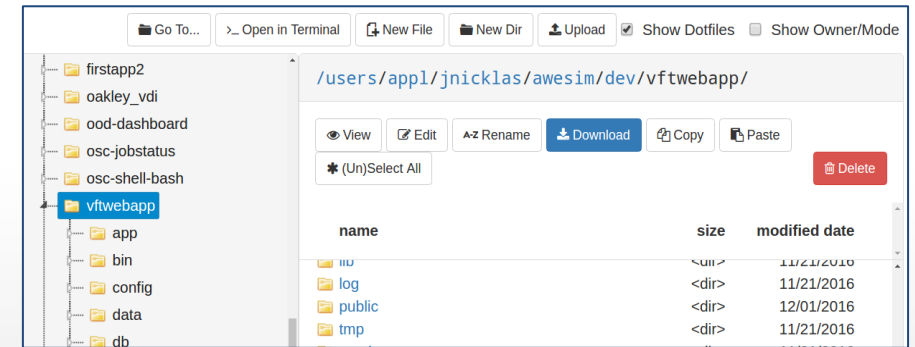An OH·TECH Consortium Member
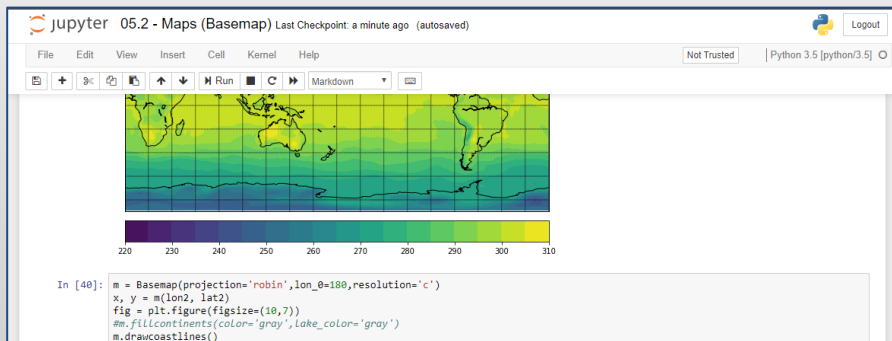
Interactive Apps & Cluster Access
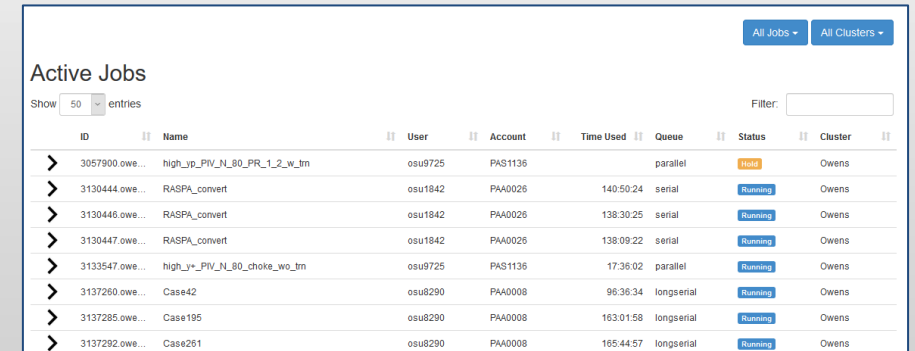
RStudio Server – R IDE

File Access (browse, edit, etc)

Jupyter Notebook – Python IDE

Manage Jobs (view, submit, etc)

And many more, such as ANSYS Workbench, Abaqus/CAE, MATLAB, Paraview, COMSOL Multiphysics

And many more, such as in-browser SSH terminal, job constructors, VNC desktops

Example Current Engagements and Deployments

Get Started!

- Documentation and code repository available at: http://openondemand.org/
- Send email to ood-users-request@lists.osc.edu with the subject "subscribe" to join the mailing list
- Webinars and conference publications available on the website

Open OnDemand website
QR code

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