# OPEN ⊙nDemand

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
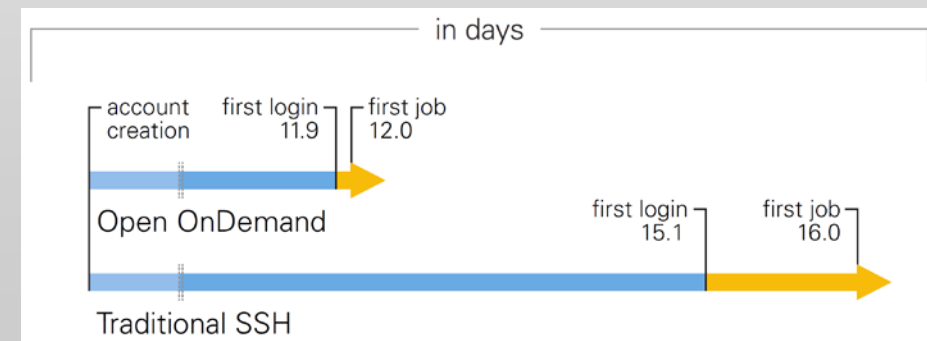- % of users has steadily increased since launch

OSC OnDemand Users (Jan 2017 - Mar 2018)
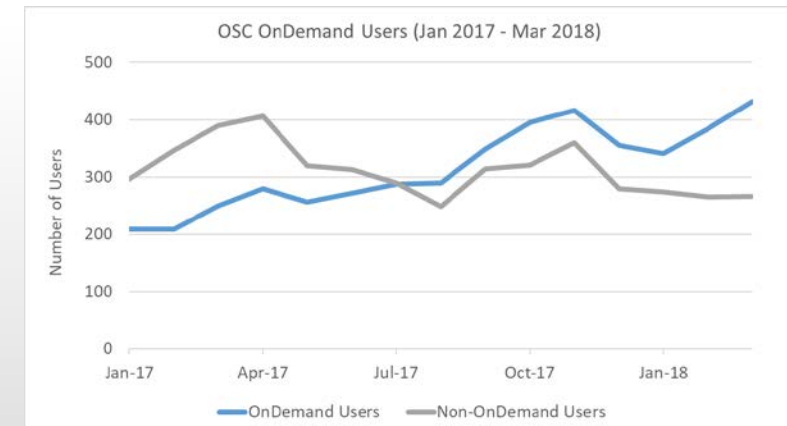
- OnDemand users start work faster than traditional users, both in terms of first login and job submission

Ohio Supercomputer Center
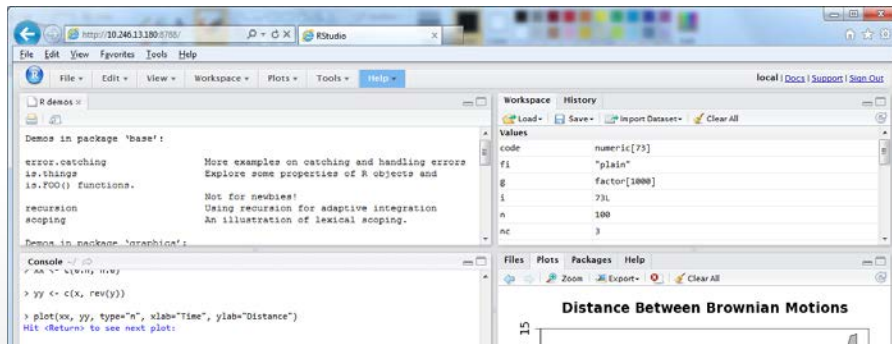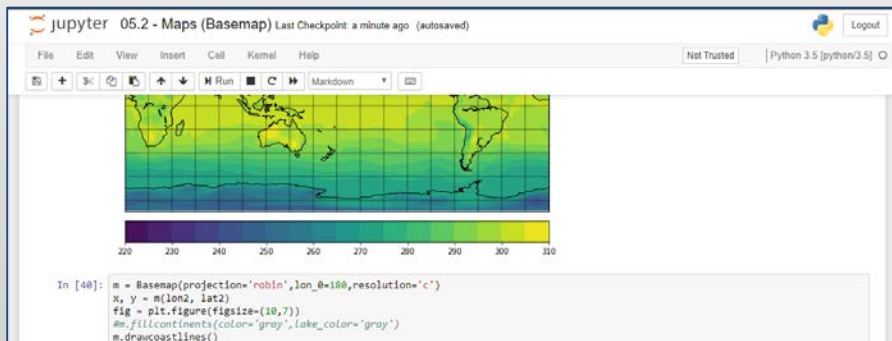An OH·TECH Consortium Member

Interactive Apps & Cluster Access
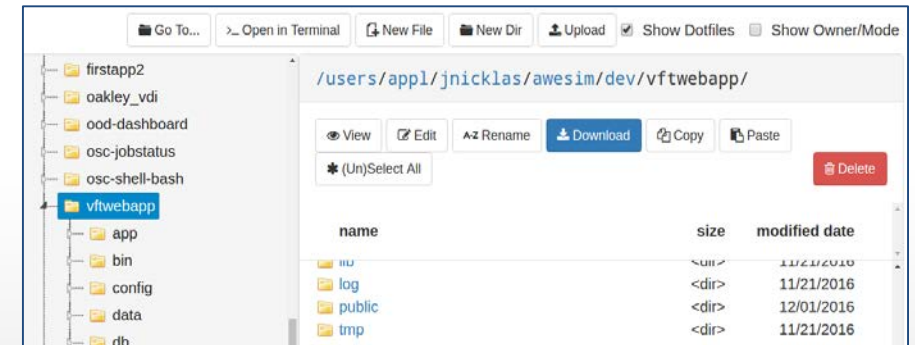
RStudio Server – R IDE

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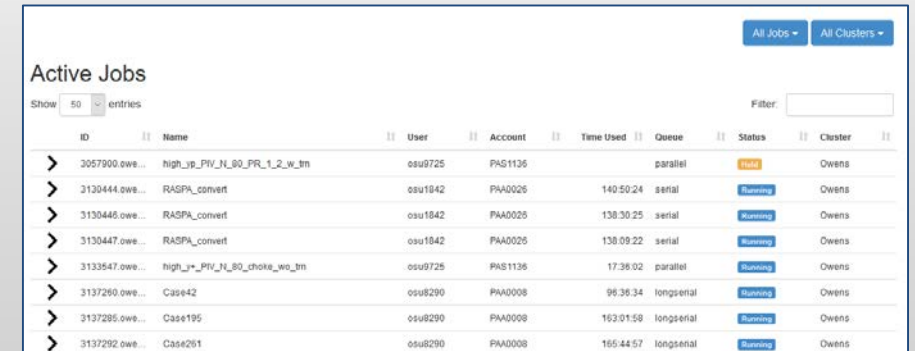
And many more, such as in-browser SSH terminal, job constructors, VNC desktops

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