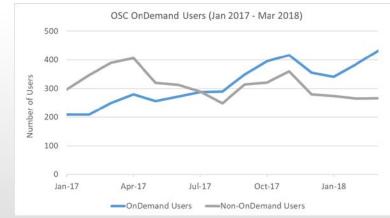
OPEN ON Demand

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

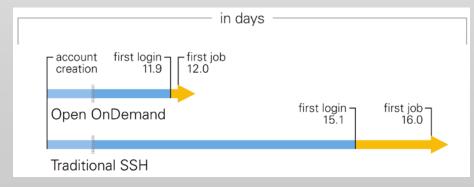
OSC Install Details and Impact

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



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





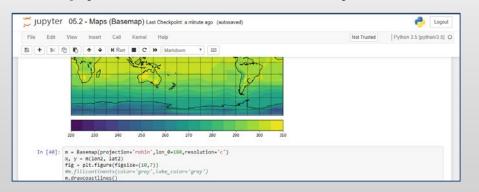
Interactive Apps

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RStudio Server – R IDE

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Jupyter Notebook – Python IDE



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

Cluster Access

File Access (browse, edit, etc)

🖿 Go To	>_ Open in Terminal	G New File	New Dir	1 Upload	Show Dotfi	les 🔲 Show Own	er/Mode
- 📴 firstapp2 - 📴 oakley_vdi	/use	ers/appl/j	nicklas/a	wesim/dev	/vftweba	ipp/	
ood-dashboard	@ V	iew 🕼 Edit	A-Z Rename	🛓 Download	Copy	Paste	
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Manage Jobs (view, submit, etc)

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thow 50 - entries		nes								Filter:			
	ID II	Name	11	User	Account	11	Time Used	Queue	ш	Status	11	Cluster	
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>	3130444.gwe	RASPA_convert		osu1842	PAA0026		140:50:24	serial		Running		Owens	
>	3130446.owe	RASPA_convert		osu1842	PAA0025		138:30:25	serial		Ronning		Owens	
>	3130447.owe	RASPA_convert		osu1842	PAA0026		138.09.22	serial		Running		Owens	
>	3133547.owe	high_y+_PTV_N_80_choke_wo_tm		osu9725	PAS1136		17:36:02	parallel		Running		Owens	
>	3137260.owe	Case42		osu8290	PAA0008		96.36.34	Iongserial		Running		Owens	
>	3137285.owe	Case195		osu8290	PAA0008		163:01:58	longserial		Running		Owens	
>	3137292 owe	Case261		osu8290	PAA0008		165:44:57	Iongserial		Running		Owens	

And many more, such as inbrowser SSH terminal, job constructors, VNC desktops

Example Current Engagements and Deployments

















OAK	RIDGE
National	Laboratory





Get Started!

- Documentation and code repository available at: <u>http://openondemand.org/</u>
- Send email to <u>ood-users-request@lists.osc.edu</u> 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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