OPEN OnDemand

Open OnDemand Quarterly SCAG

Aug 25, 2020

Ohio Supercomputer Center | VIRGINIA TECH | University at Buffalo Center for Computational Research

State of the state

- Community comments/thoughts/concerns?
- Burning app needs?

OPEN OnDemand

New collaborations/projects

- Harvard IQSS voicing interest in contributing development time to improvement of UX
- Globus interested in working with us for integration and offering developer time to help
- Active discussion with Joe Stubbs and Steve Black from TACC regarding possibly adopting of and contributing to resource and application definition standards being developed between TACC, IU, others (follow up from PERAC)
- Started talking with Airavata/SciGap team to build a prototype integration between OnDemand and Airavata

PEARC20 takeaways

- Lots of positive feedback to tutorial
- Lots of interest
- Lots of sites using/installing it that are/were not represented on our known slides
- Support of Gateways and pipelines/workflow is important and being hobbled together at multiple sites

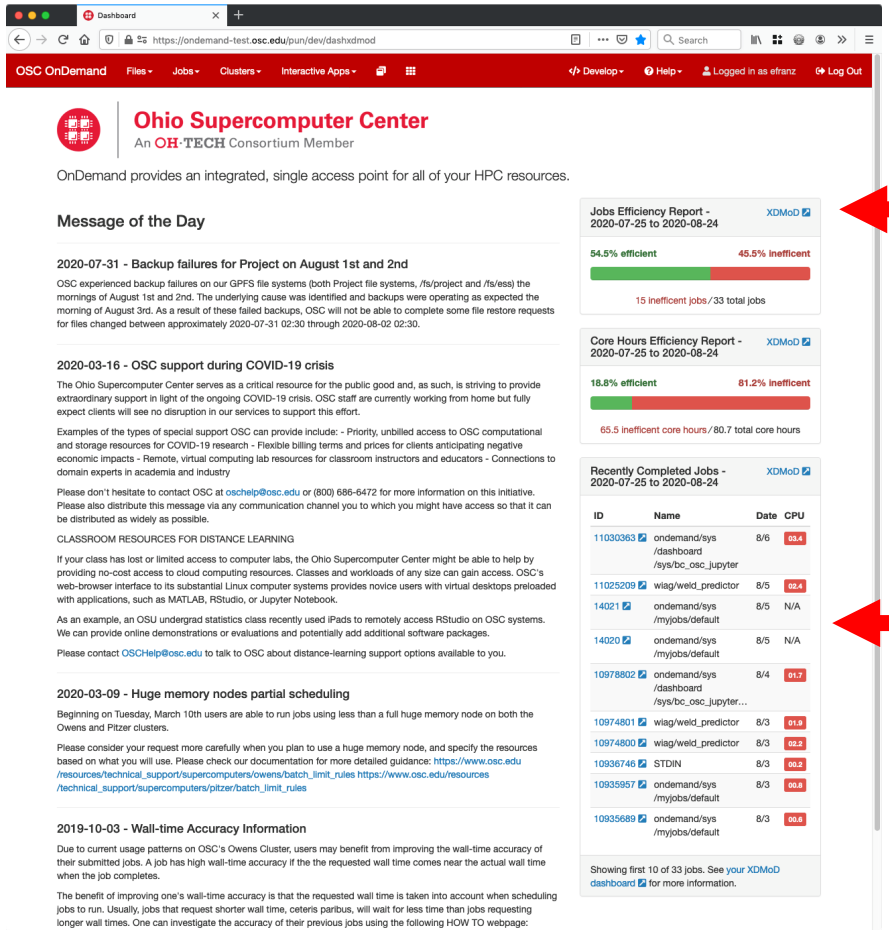
OPEN OnDemand

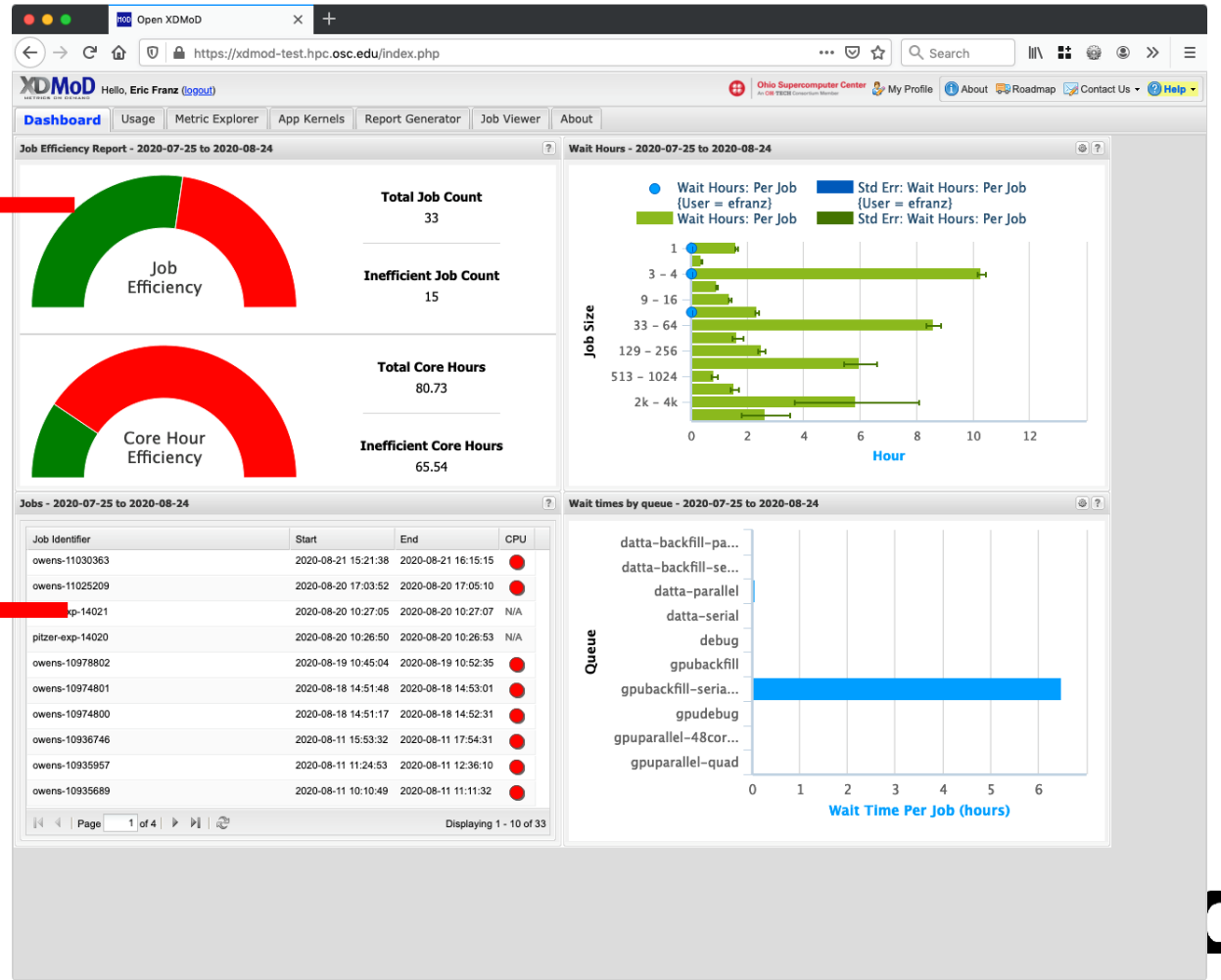
1.8 Release

https://osc.github.io/ood-documentation/latest/release-notes/v1.8-release-notes.html

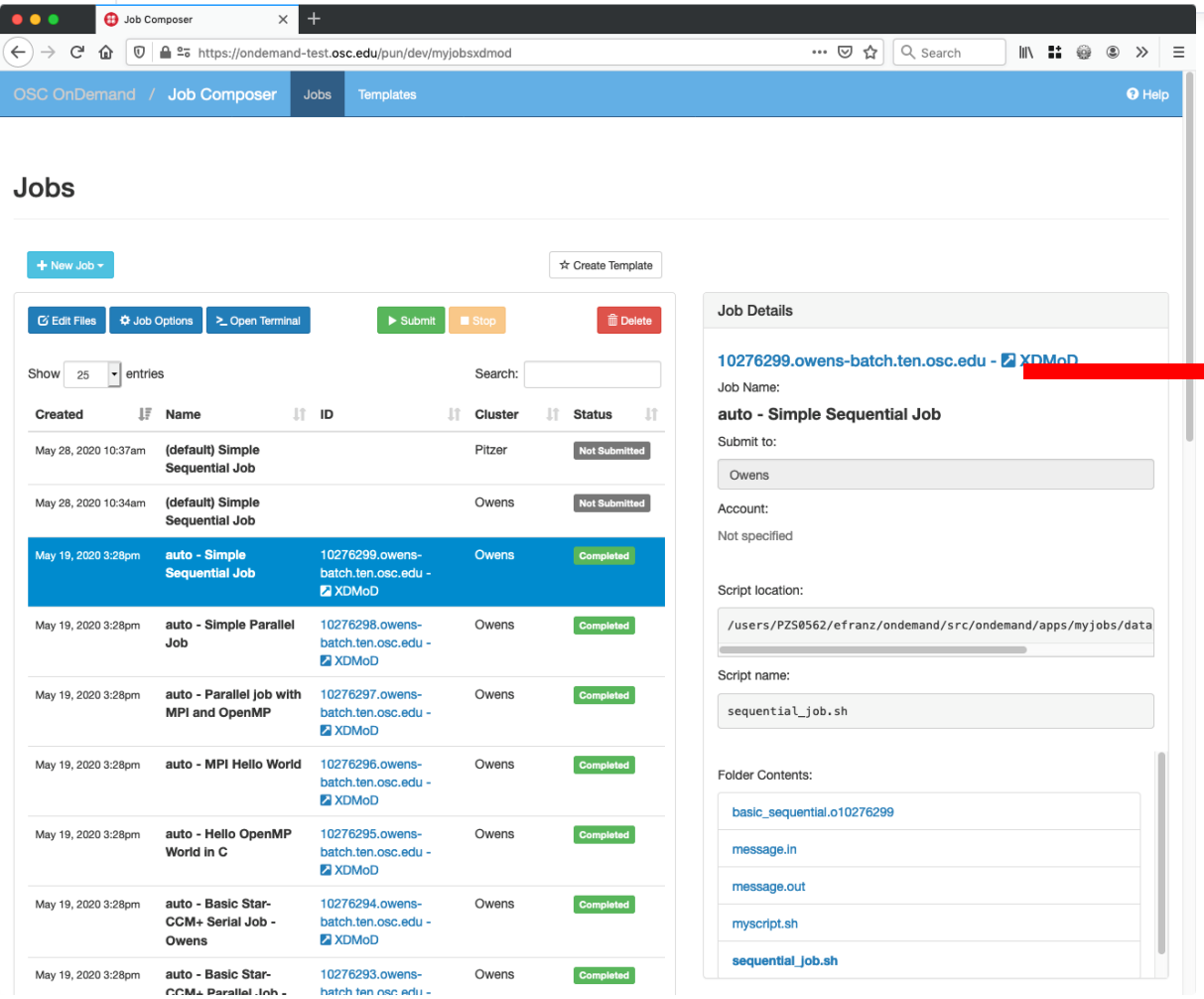
- Features:
  - XDMoD reports and links – Dashboard and Job Composer – slide 6/7
  - App submit to multiple clusters - slide 8
  - Retain completed jobs panel for debugging -- slide 9
  - **dd (dynamic) information to job panel (info.html.erb) -- slide 10**
  - DEX is default authenticator
  - Chrome noVNC copy/paste patch
  - VS code server app

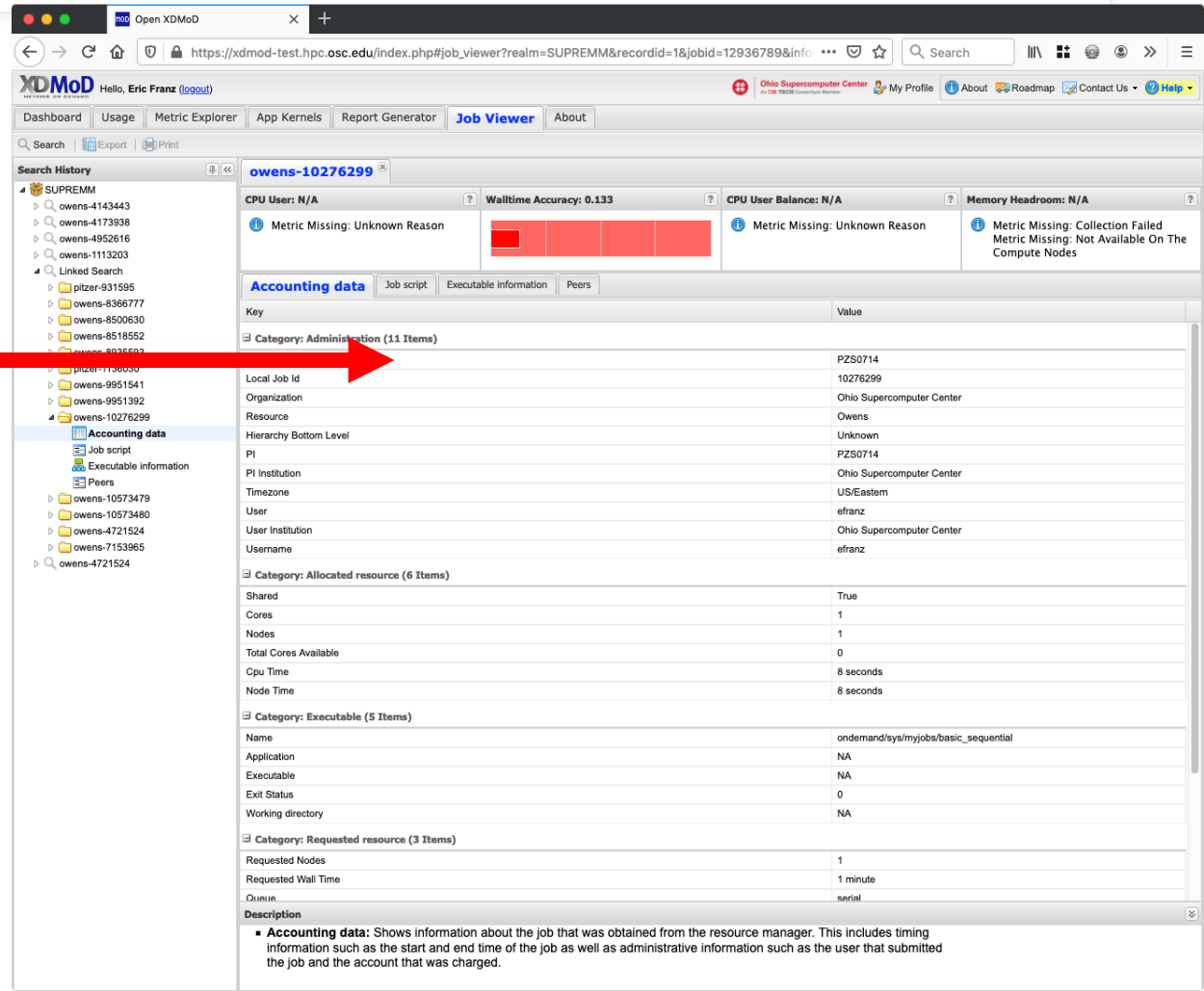
1.8 Release: XDMoD Reports and Links





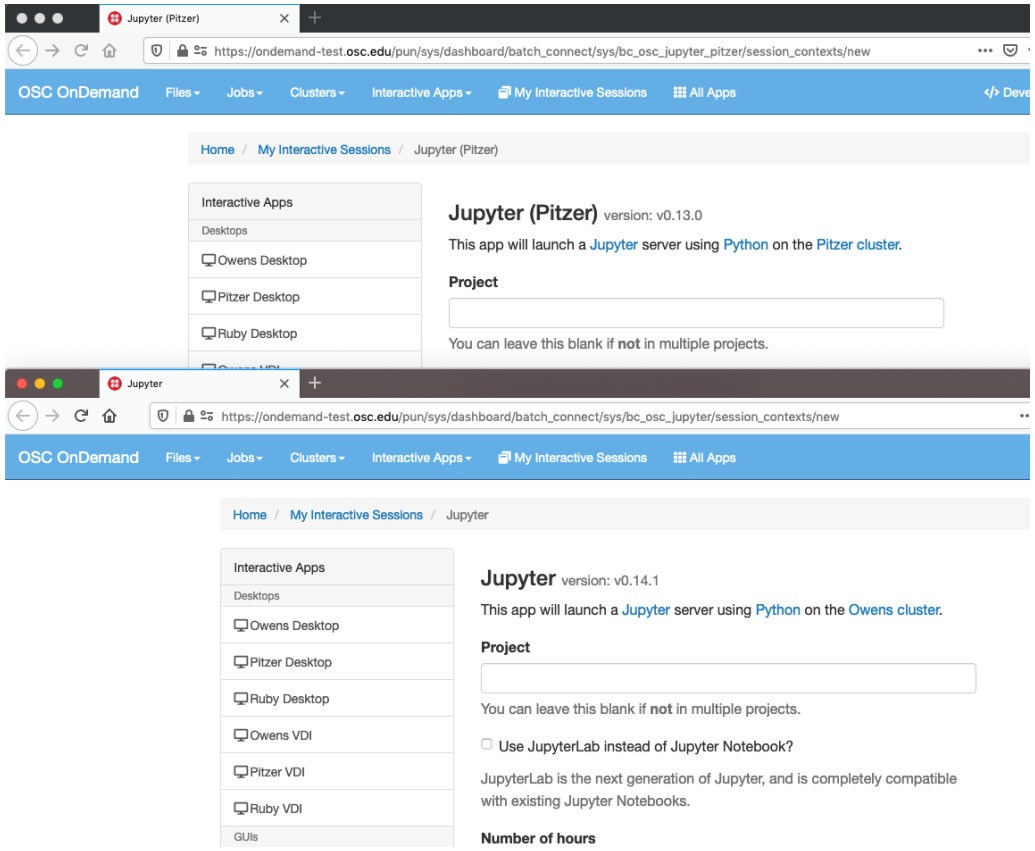
1.8 Release: XDMoD Reports and Links



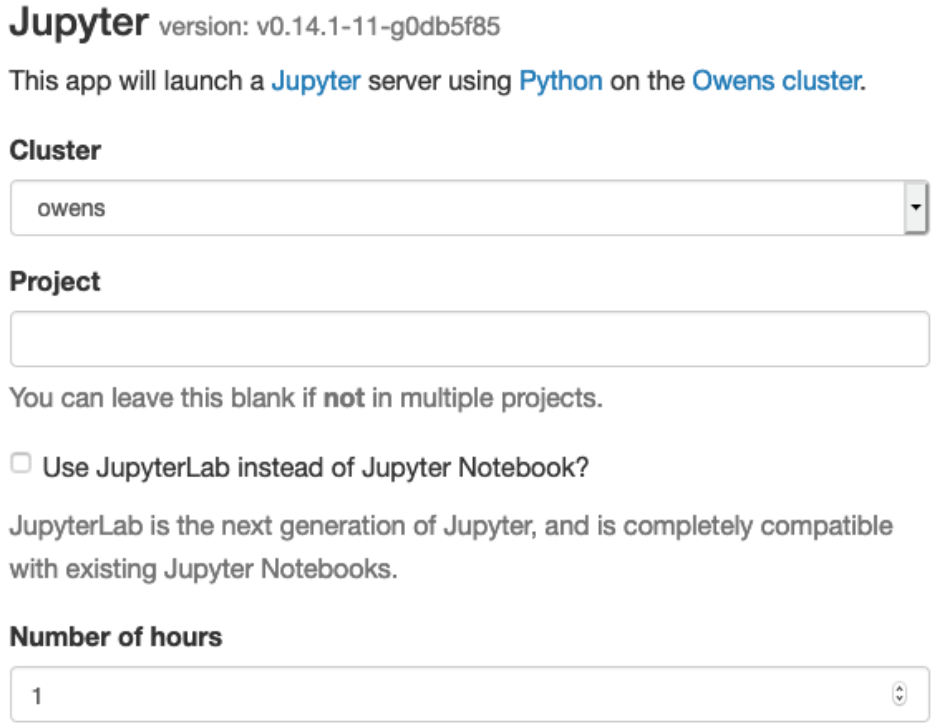


1.8 Release: App submit to multiple clusters

Before, one app per cluster:

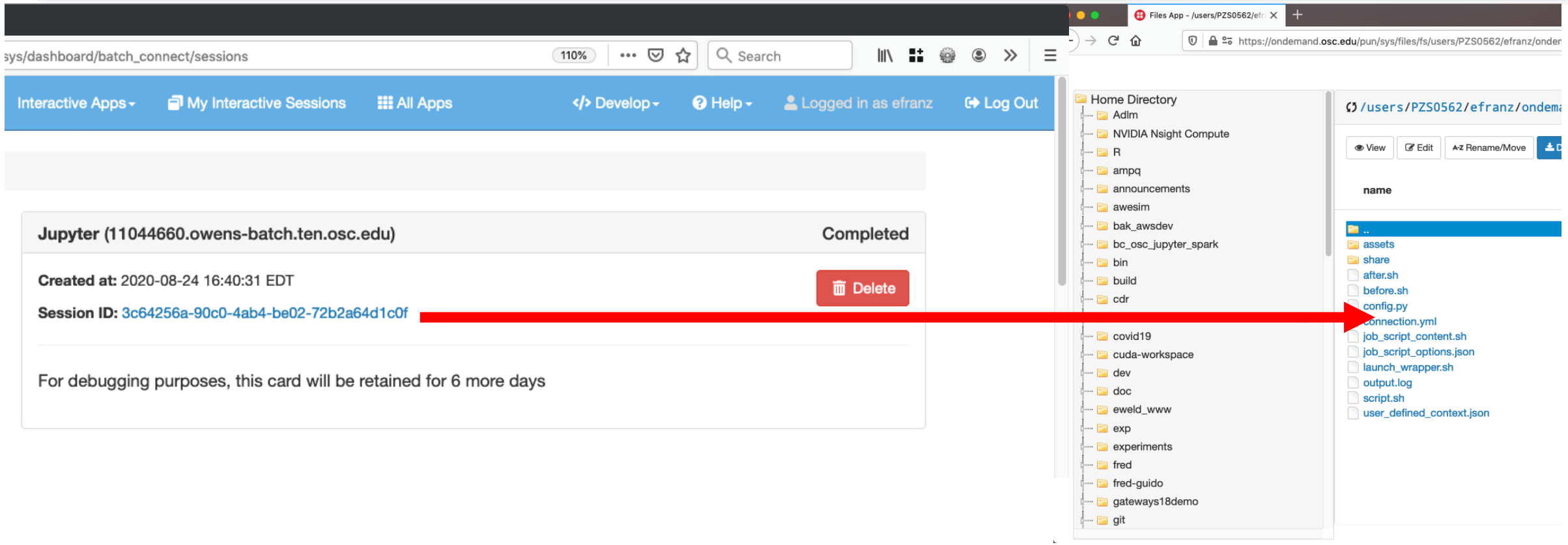


After, 1 app with cluster dropdown:



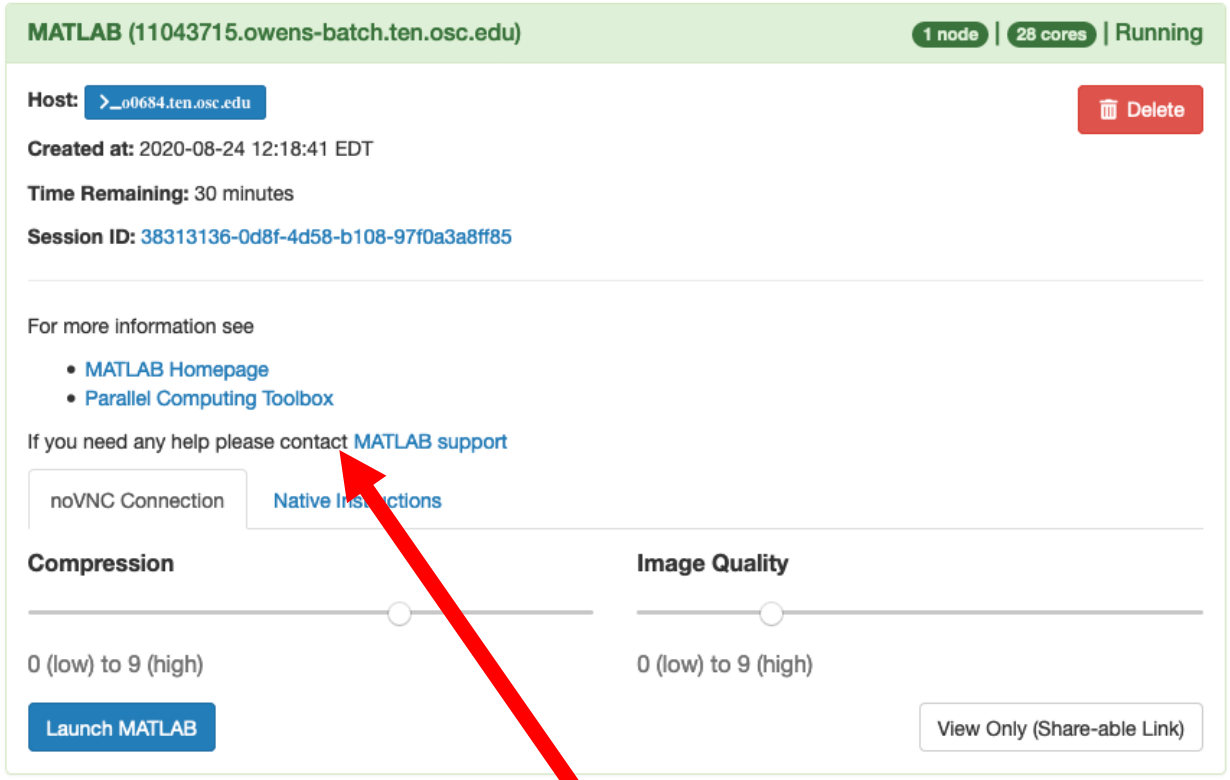
OPEN OnDemand

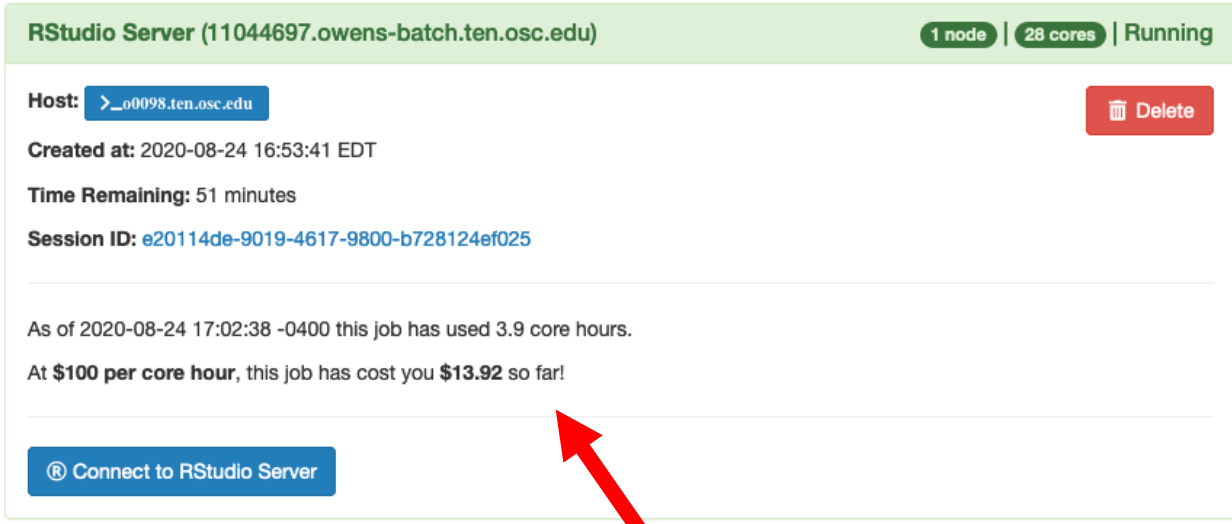
1.8 Release: Retain completed jobs panel for debugging



OPEN OnDemand

1.8 Release: Dynamic information in job panel via info.html.erb or info.md.erb





OPEN OnDemand

1.8 patch release

- Fix any issues with OOD-XDMoD integration observed after having a chance to run it in production at OSC
- Address bug fixes that didn’t make it into 1.8 release
- Timing – sometime in September

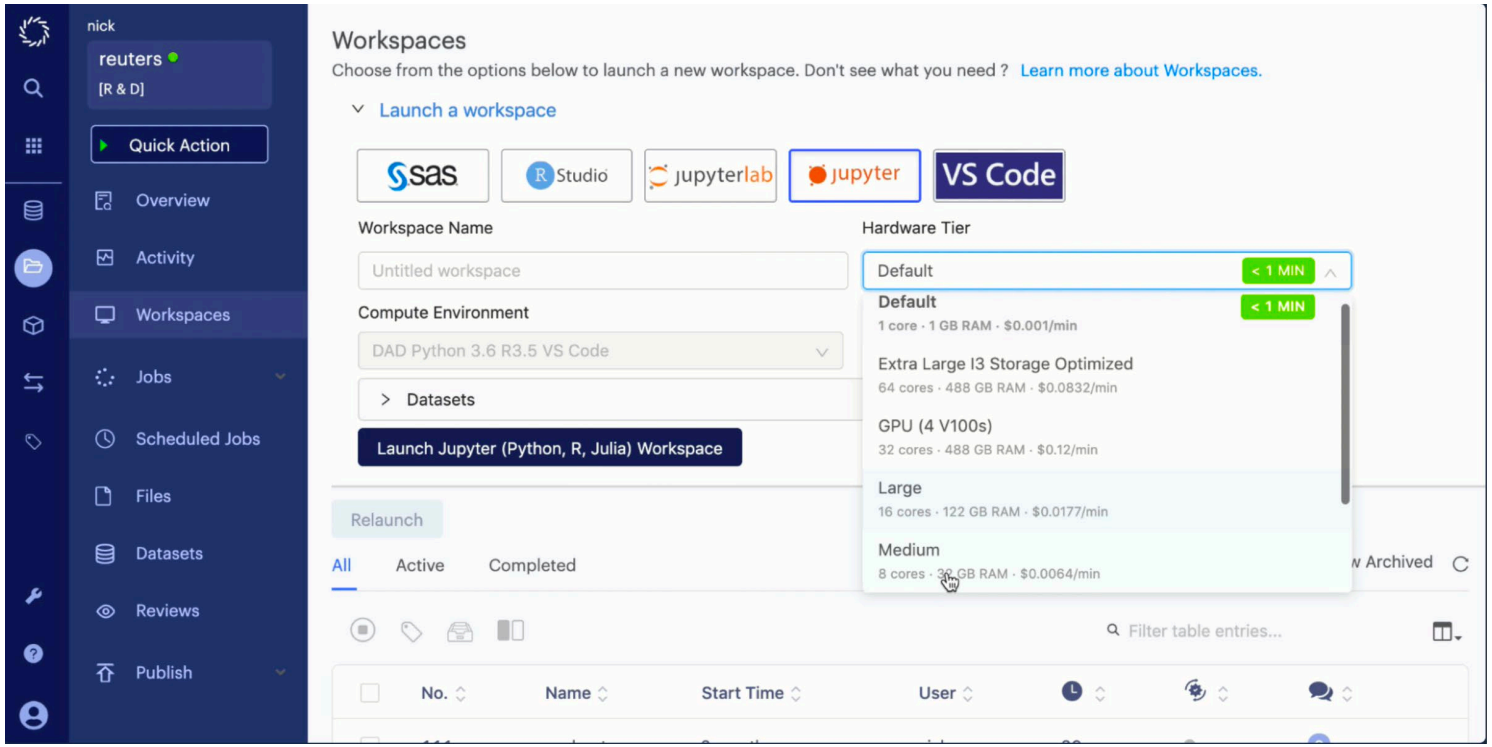
2.0 update

- Timing:
  - Dec 2020
- Interface redesign questions
- Files app questions

Interface redesign

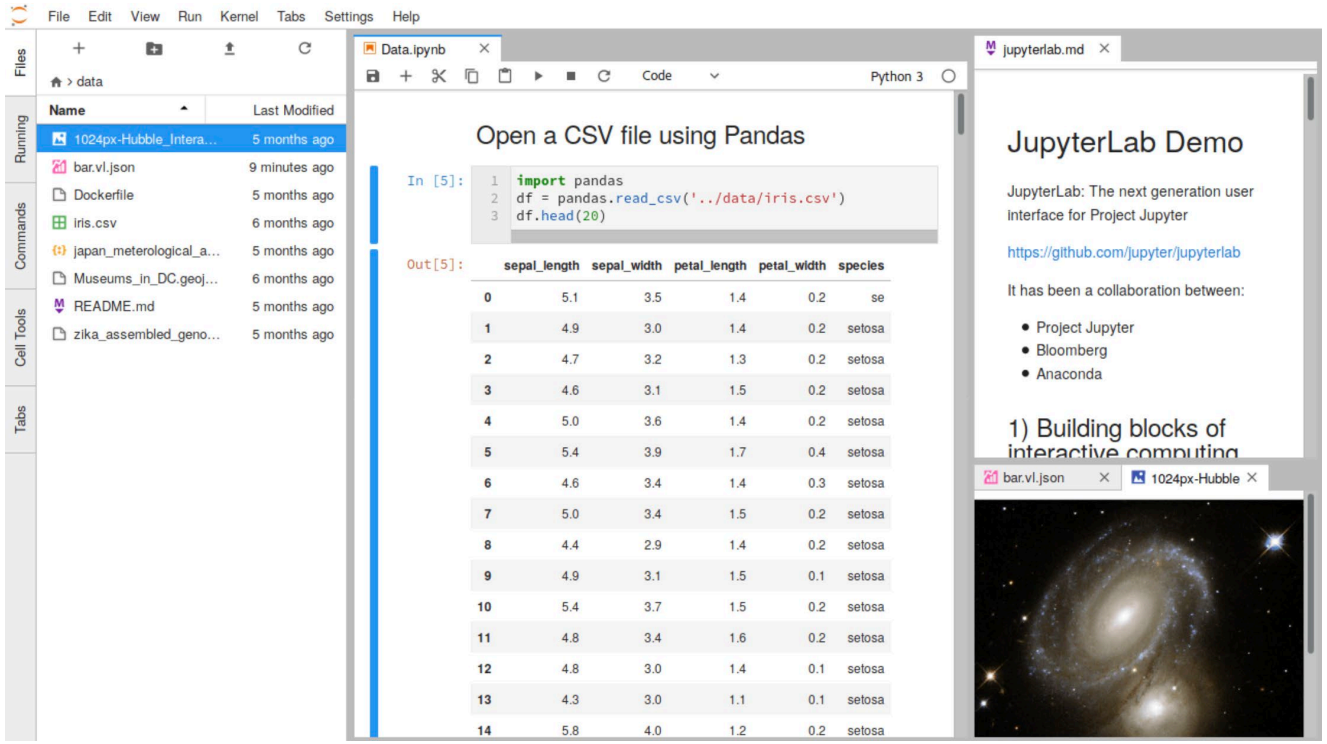
- Looking at two competing designs
  - Telescoping web style interface (add more layers to current)
  - IDE style

Telescoping web page style



- black task bar far left
- purple/blue nav is - could make this list of actions context specific
- left most dark icon folder is selected - so the larger menu is context specific to that files icon; so apps could be
- app as "quick app" appears far most left icon
- low information density
- apps in own pages (what we have now) **but highly customizable**

IDE style



- sites always want their message of the day to show up
- sites want to pin things
- so giving user flexibility to customize their experience is what we are after; but if we take this IDE approach admins are using
- notable features
  - **multiple things open at once**
  - high information density

Files app update

- **Feature parity with the existing app + some basic enhancements (sorting columns, see the owner of the file)**
- Third party storage integration (possibly facilitated with **rclone or rclone is basis for the files app**)
- Options - order of importance?
  - Cloud drives (Google Drive, 1drive, Box, Dropbox…)
  - Canvas
  - Globus

- Questions:
  - Order of integration
  - Missing?
  - What types of interactions for remotes matter?
    - Viewing/initiating transfers?
    - Batch job wants to interact with remote files
    - File transfer may need job facilitation

2.0 - Other features: Head to Trello

https://trello.com/b/ksr1g141/open-ondemand-ideas-and-dev

Other topics?