OSC OpenOnDemand portal on Grex
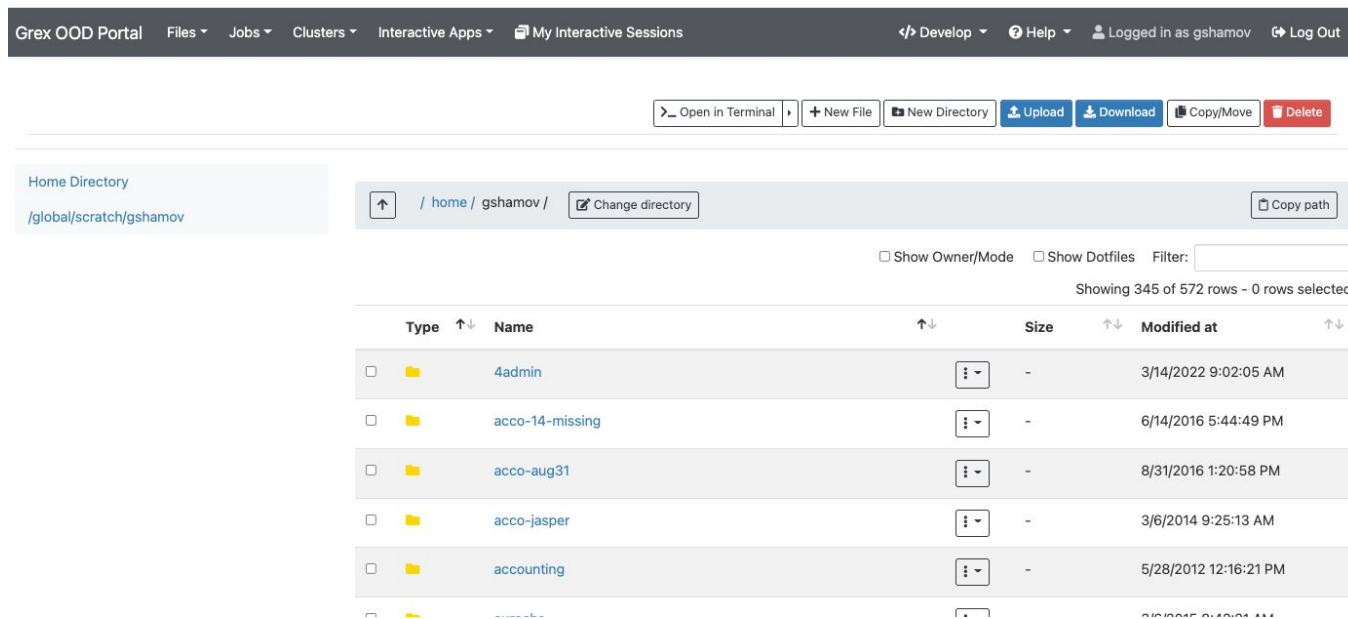
UofM-Spring-Workshop 2022
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Grigory Shamov

- https://openondemand.org/ is an HPC Web portal, that is, a browser UI for HPC systems
    - File management
    - Command-line shell access
    - Job management and monitoring across different batch servers and resource managers
    - Graphical desktop environments and desktop applications
- On Grex:
    - https://aurochs.westgrid.ca
    - Available from within Campus network, or when on UM VPN
        - https://umanitoba.ca/computing/ist/connect/virtualpn.html ; use vpn.cc.umanitoba.ca
- Demo..

https://aurochs.westgrid.ca an HPC Web portal, that is, a browser UI for HPC systems
- File browser in browser

Browsing Queue status, submitting jobs

https://aurochs.westgrid.ca   is an HPC Web portal, that is, a browser UI for HPC systems
- Browser for the jobs in queue
- Allows for submitting job scripts from Web browser too. (But Apps are better)

- https://aurochs.westgrid.ca/ is an HPC Web portal, that is, a browser UI for HPC systems
  - Simple SSH shell in-browser, on a login node is available
  - Desktops
    - on compute nodes (Lightweight GUIs like on X2go)
    - On special test node (Easiest, better GUIs)
  - Apps: GV, Matlab, Jupyter Notebooks
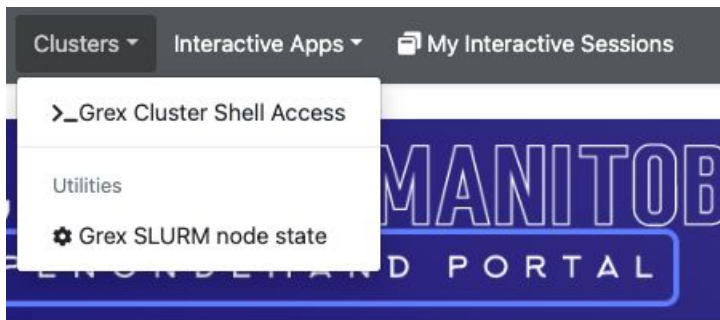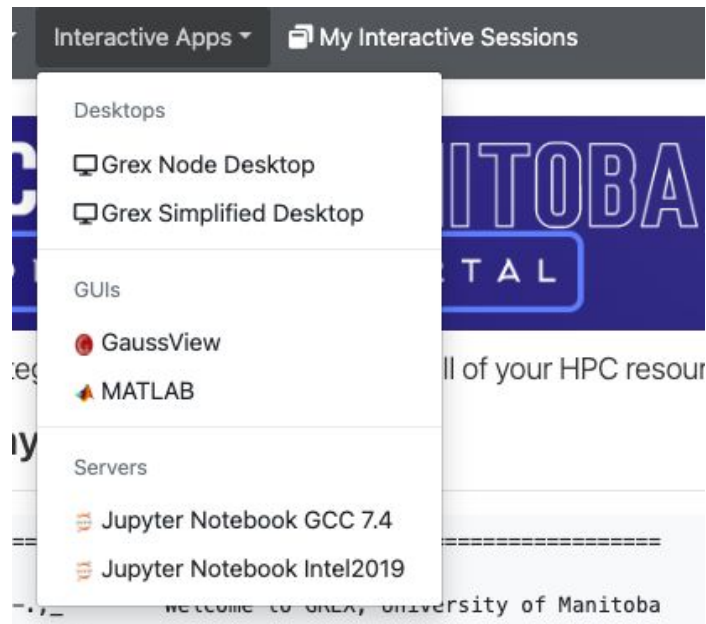
- https://aurochs.westgrid.ca an HPC Web portal, that is, a browser UI for HPC systems
  - Apps and Desktops when ran, submit SLURM jobs
  - Jobs create Interactive Sessions when start.
  - Sessions talk to OOD Portal via NoVNC. You can connect to Sessions, terminate them etc.

Bad Request

Login session expired.

- https://aurochs.westgrid.ca/ gives a Bad Request message to the left:
  - Old Dex session it kept in browser cache; clean cache
  - Re-type aurochs.westgrid.ca w/o the session key parameter
- Timeout messages when loading Desktop Apps or starting jobs
  - Keep hitting Reload
  - Use "test" partition
- No /home and /global/scratch for new Grex users
  - Connect first time via command line SSH; a script creates them on first SSH login
- Inconvenient time limits for Desktop app
  - Contact us, we are now trying to optimize these things
- An App X would be useful to have on Grex
  - Contact us, we are working on expanding the list of Apps.