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Digital Research Alliance of Canada

Introduction to OpenOnDemand: Running jobs using the Job Composer

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How to use OpenOnDemand portal?

- How to connect to OOD?
- What you can do with OOD?
- Working with the files: **file browser**
- File transfer
- Applications
- Job composer: templates
- Jobs and metrics

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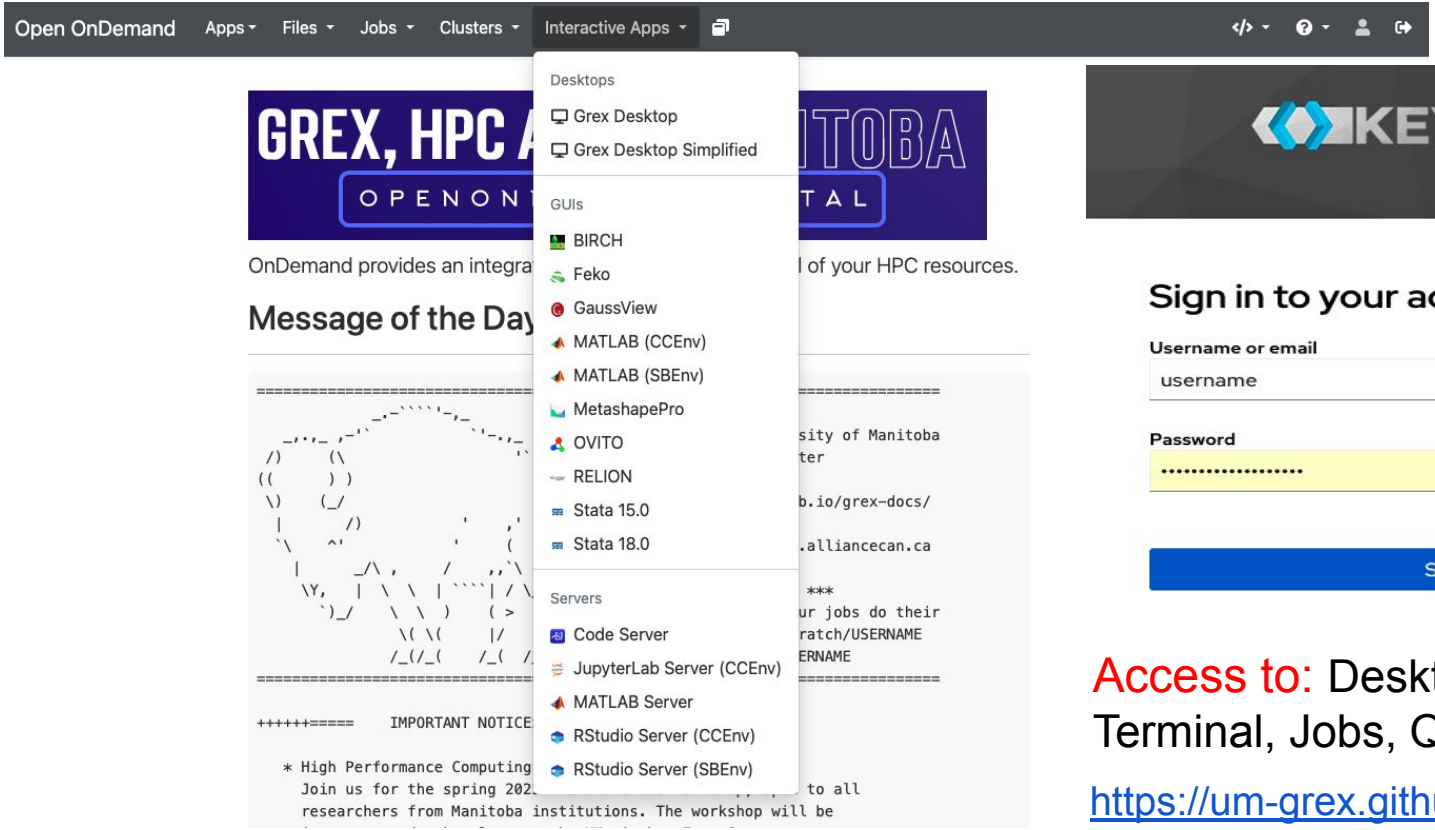
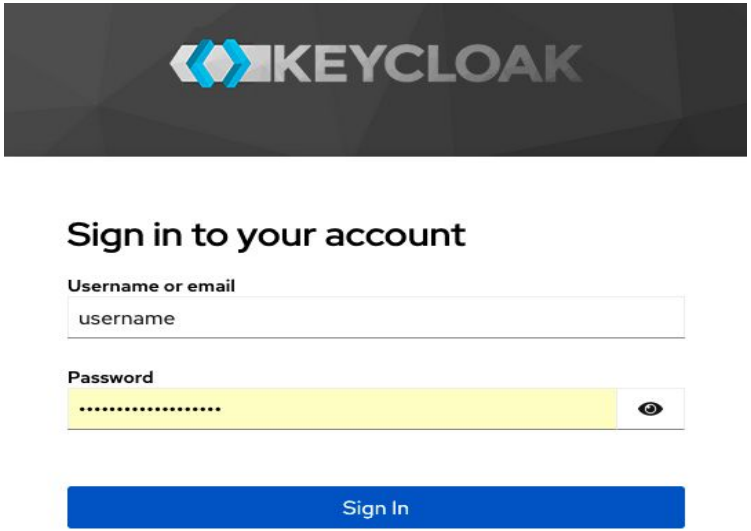
What is OOD?





Access to: Desktops, Jupyter, Terminal, Jobs, Queue view, Jobs, …

https://um-grex.github.io/grex-docs/ood/

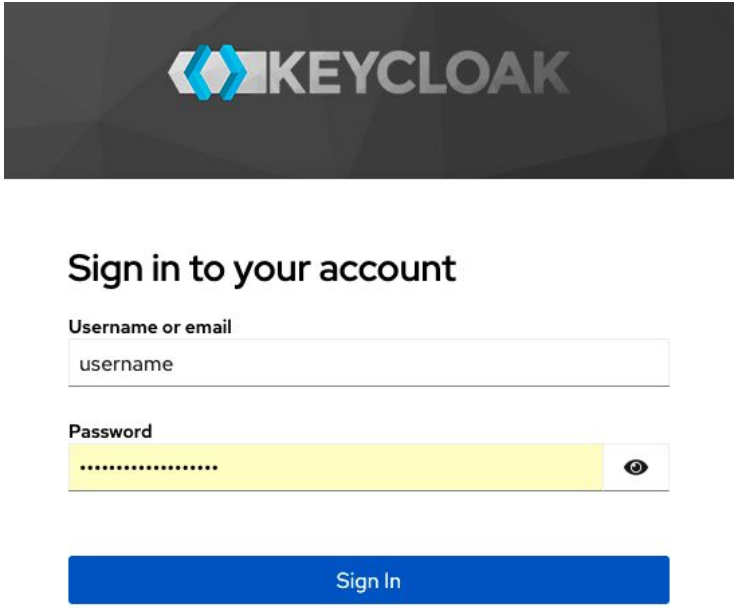
OOD demonstration

Walk through OOD interface
and its functionalities

Connect to OOD

URL: https://ood.hpc.umanitoba.ca

- Requires Grex account: same as Alliance account.
- Requires IST VPN if used outside UM network.



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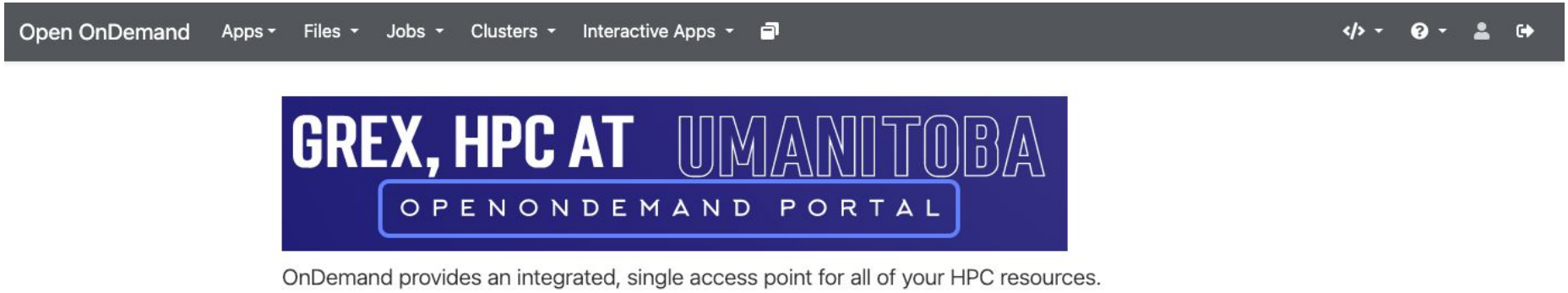
OOD main menus



- Open OnDemand: main dashboard
- Apps: link to available applications
- Files: file browser
- Jobs: links to active jobs and job composer
- Clusters: grex status and partition
- Interactive Apps: list of applications

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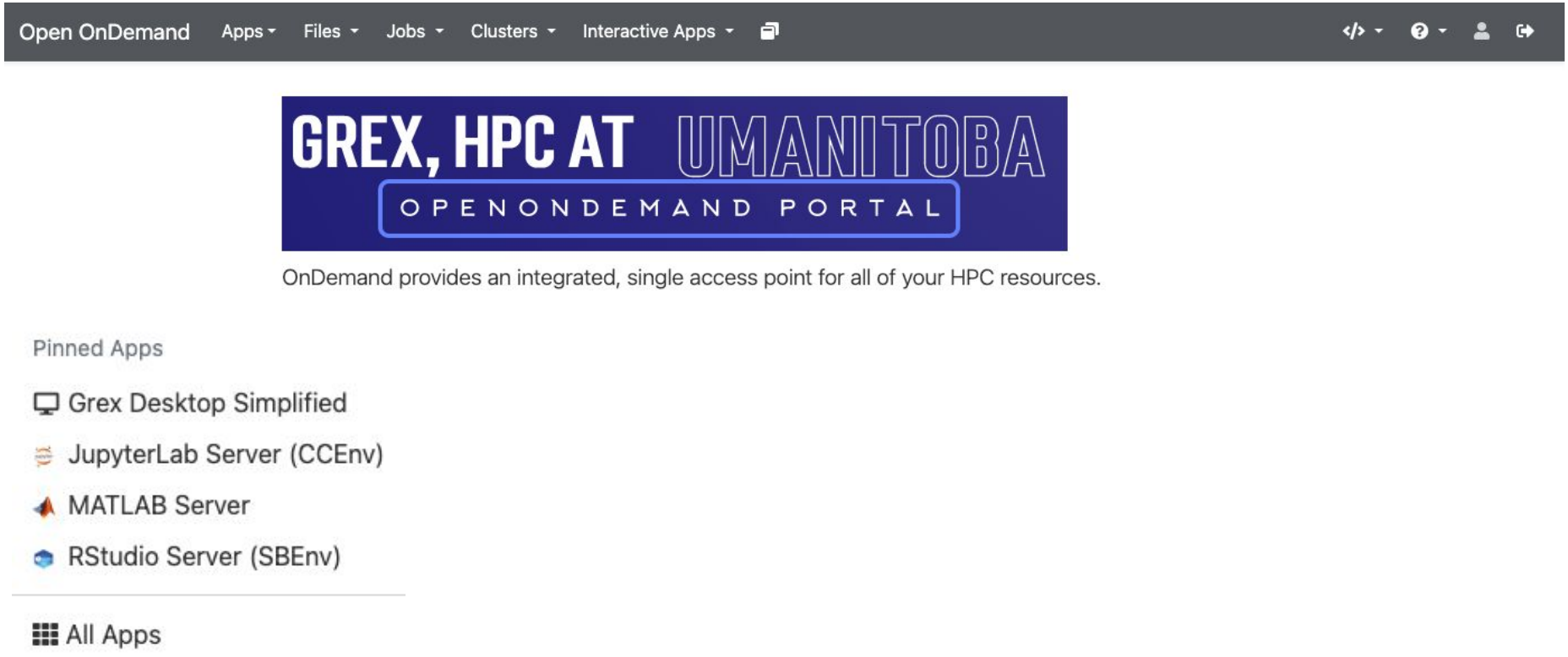
OOA Apps



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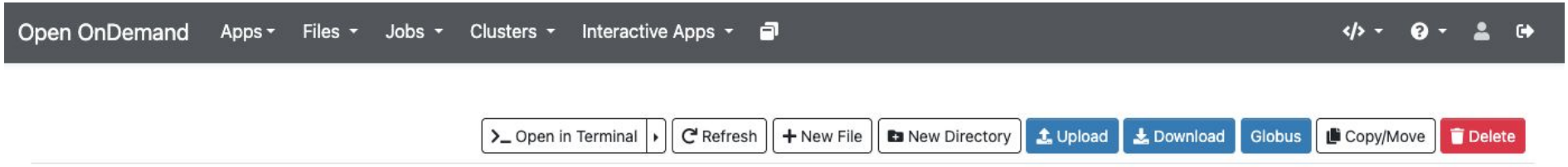
Files



- Access to storage: home, project directories
- Create new directories and files
- View and edit text files
- Upload or download files
- Delete data: files or directories
- Copy or move files and directories
- Access to a path
- Open a terminal to a selected directory
- A link to globus

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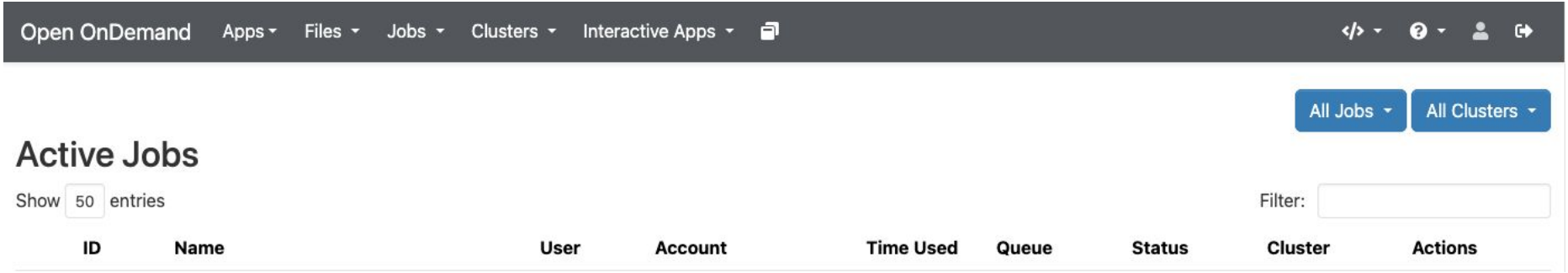
Jobs

- Access to active jobs
- Job metrics
- Job composer



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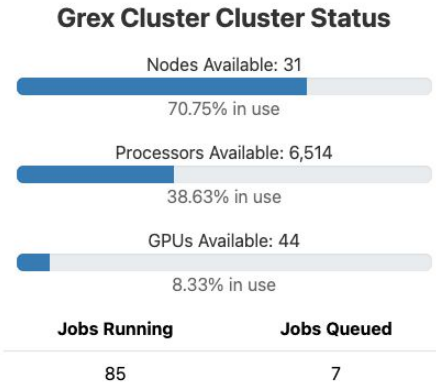
More readings

- Partition status
- System status
- Access to a terminal



Partition Status 2025-05-18

Partition	Free Nodes	Free Cores	Free Mem
agro	2	48	247.7
agro-b	2	48	247.7
chrim	4	768	746.1
chrimlm	1	192	1502.3
genlm	1	276	1497.6
genoa	4	2287	748.3
genoacpu-b	9	1750	1503.9
gpu	0	0	145.3
largemem	8	418	371.9
livi	0	40	1353.9
livi-b	0	40	1353.9
mcordcpu	4	790	1503.9
mcordgpu	2	64	499.0
mcordgpu-b	2	64	499.0
skylake	0	1465	175.2
stamps	3	96	178.5
stamps-b	3	96	178.5
test	1	18	496.7

1 to 18 of 18 < >

Grex documentation - Partitions

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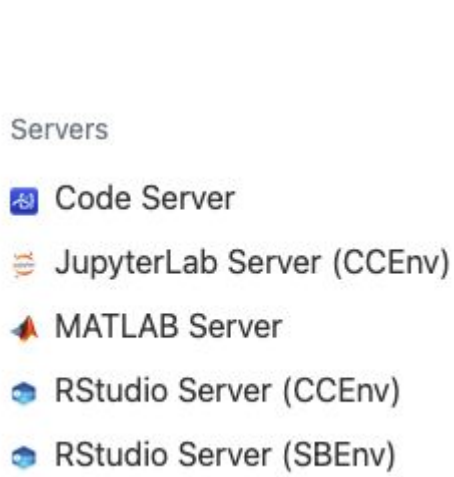
Interactive Applications

- Desktops
- GUI applications
- Servers



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How to start an application

- Desktops
  - Grec Desktop
  - Grex Simplified Desktop
- GUI applications
  - MATLAB, Gaussview, OVITO, ParaView, …
- Servers
  - Jupyter
  - RStudio

https://um-grex.github.io/grex-docs/ood/

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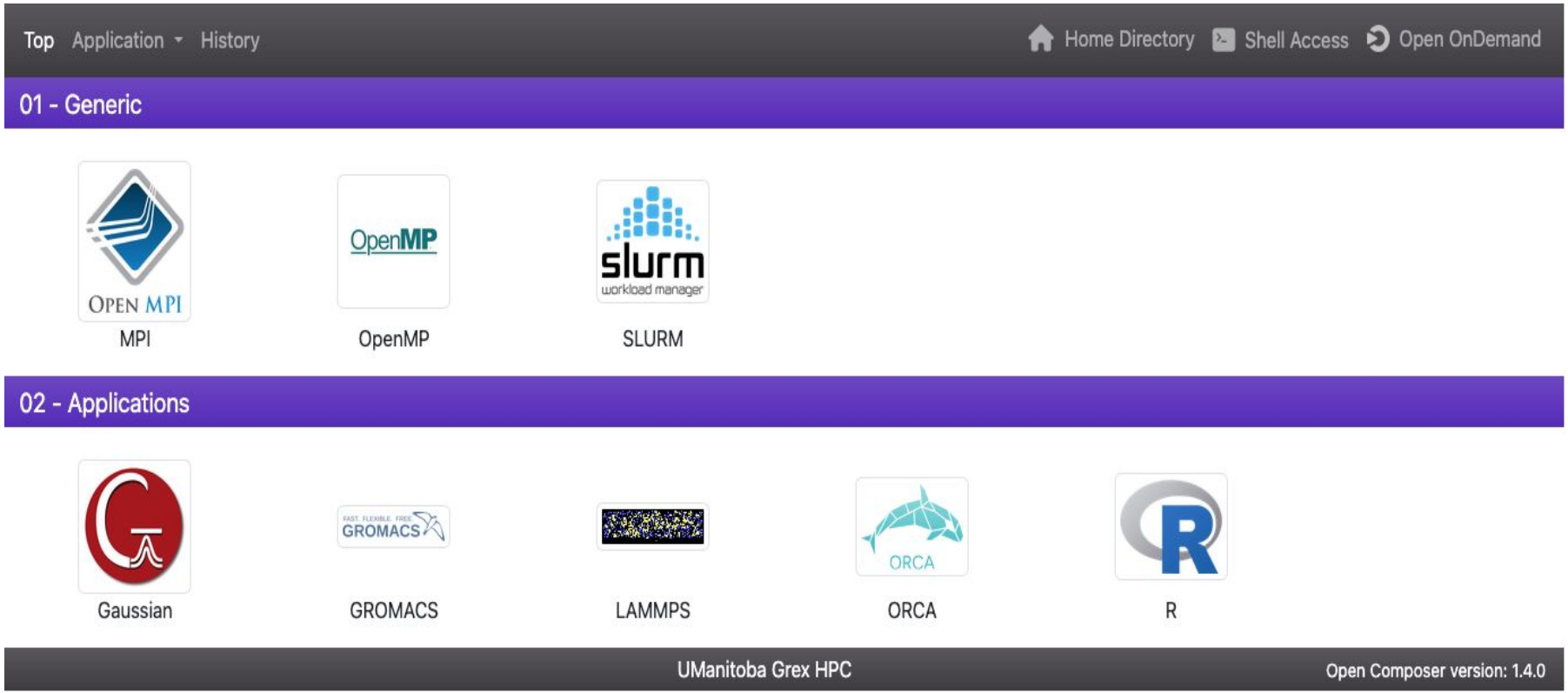
More readings



Thank you for your attention

Any question?