



Digital Research Alliance of Canada

High Performance Computing

Training Workshops and Documentation

Way 17th-19th, 2023

Ali Kerrache HPC Analyst



Outline

- Workshops and Training
 - Local workshops
 - Trainings from the Alliance and its partners
- ★ Getting Help
 - Our How to ask for help?
- Documentation
 - Grex
 - The Alliance



Local workshops and training

Contact us for:

support@tech.alliancecan.ca

- ★ In person session:
 - Onboard a beginner on Grex and the Alliance clusters.
 - Discussion about a given problem.
- ★ Group session

Autumn workshop, Oct 2022

- · Program and updates
- High Performance Computing: Start Guide
- . High Performance Computing and software environments
- · OSC OpenOnDemand portal on Grex

Spring workshop, May 2022

- Introduction to local and National HPC at UManitoba
- Introduction to High Performance Computing step by step
- Using GP GPU compute on Grex
- High Performance Computing and software environments
- OSC OpenOnDemand portal on Grex

Autumn workshop, November 2021

Slides from Day 1 (Nov 1, 2021):

- Introduction To HPC
- . Basics of Linux Shell

Slides from Day 2 (Nov 2, 2021):

· HPC software environments

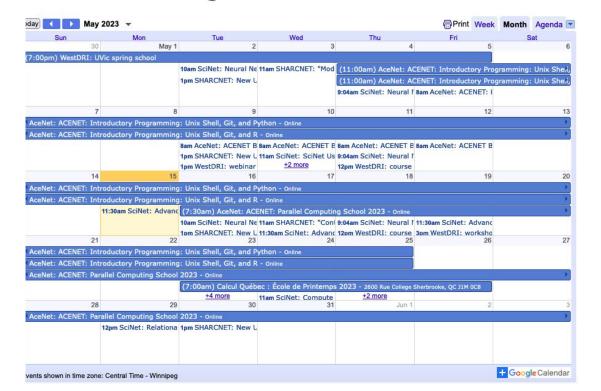
https://um-grex.github.io/grex-docs/docs/longread/training/



National training calendar

- Regular meetings for beginners.
- Workshops from all Alliance regional partners:
 - AceNFT
 - Calcul Quebec
 - Compute Ontario
 - BC DRI group
 - Prairies DRI group
- ★ Field oriented subjects

Eederation Training Calendar





How to ask for support?

Information required [edit] Contact support: To help us help you better, please include the following information in your support request: Home My Account Resource Applications Cluster name · Job ID View Group Usage support@tech.alliancecan.ca Job submission script: you can either give the full path of the script on the cluster; copy and paste the Acc My Resources and Allocations File or files which contain the error message(s): give the full path of the file(s); copy and paste the file(s) Request access to other clusters . Commands that you were executing Accou by and paste if you have trouble with this. . Avoid sending screenshots or other large image attachments except when necessary - the plain text of Manage RAP memberships . Software (name and version) you were trying to use https://status.alliancecan.ca/ Apply for a New Role When did the problem happen? Acti Contact information thing files to an email, you may indicate . If you want us to access, copy or edit your files, or inspect your account and possibly make changes th then you do not need to do it again in your where they are located in your account and give us permission to access them. If you have already gra CC Manage SSH Kevs support request Do not send your password Multifactor Authentication Spg Management Things to beware [edit] Case by case agreement Manage Shell · Never send a password! Change Password Maximum attachment size is 40 MB. Agreement to access your data

- Provide enough information:
- ★ Name of the cluster
- ★ Job Id's, path to your files
- 🛨 Program, modules, ...
- Describe the problem

- Avoid sending large files
- Avoid sending images when possible.

https://docs.alliancecan.ca/wiki/Technical_support



Grex documentation



Search

Notes of Grex Changes

Accessing Compute Canada resources

Grex HPC Documentation

Access and Usage conditions

Connecting / Transferring data

Storage and Data

Running Jobs

Software

Frequently Asked Questions

Local IT Resources

Support and Training

Disclaimer

User documentation for HPC resources at University of Manitoba

Since you have found this Website, you may be interested in Grex documentation. Grex is the University of Manitoba's High-Performance Computing system.



User documentation for HPC resources at University of Manitoba

For experienced Grex users

For new Grex users

A Very Quick Start guide

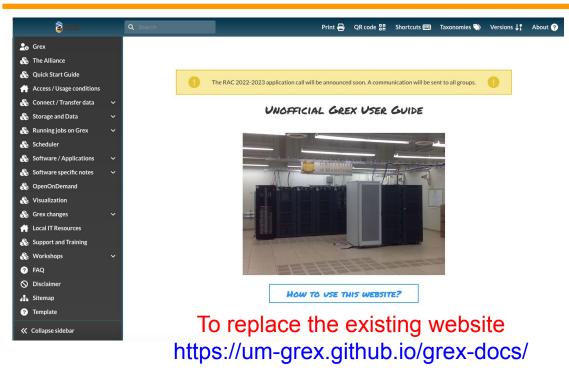
Useful links

- Updating the documentation after adding the new hardware.
- Hosted on GitHub
- The link is available as MOTD when login to Grex.

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



University Grex documentation: new website







Online soon!

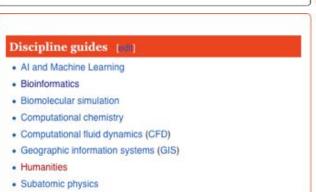


The Alliance [Compute Canada] wiki

- Systems and services
- Guides

- Links to specific documentation by disciplines
- Links to the documentation from regional partners



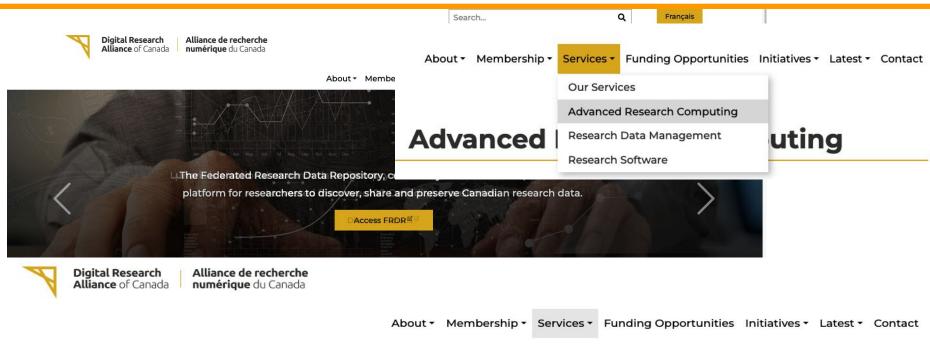




Regional partners and services [edit] • WestGrid • SHARCNET • SciNet • Centre for Advanced Computing • Calcul Québec • ACENET • ownCloud • storage service



Alliance website



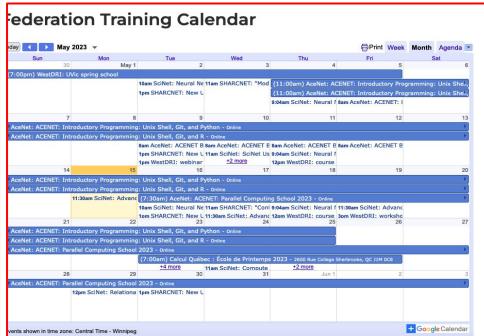
Home / Services / Advanced Research Computing / Account Management

Account Management



current and upcoming trainings





https://training.westdri.ca/

https://alliancecan.ca/en



Thank you for your attention

Any question?