Compute Canada

Canada’s Advanced Research Computing Platform

• CC is a not-for-profit organization that provides digital infrastructure for researchers in Canada

• 50 HPC systems
• 27 Data Centres
• 200 Experts

CANARIE Network
Member Institutions and Partners

WestGrid
Compute Ontario
Calcul Québec
Acenetc

- Member University
- Member University + Personnel Site
- Member University, Personnel + Infrastructure Site
Globus Deployment

WestGrid

Compute Ontario

Calcul Québec

Acenet

- Member University
- Member University + Personnel Site
- Member University, Personnel + Infrastructure Site
- Globus Site
CC Globus Deployment Status

• 24 Compute Canada Globus endpoints
  • Each endpoint supports at least one CC system
  • Endpoints in the CC namespace: computecanada#<systemname>
  • Where possible, endpoints are dedicated Data Transfer Nodes (DTNs)
  • All CC regions have Globus installations

• Branded portal at globus.computecanada.ca
CC Globus Portal

Sign In

Using your Globus login.

Username
Password

Sign In

Forgot password?

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CC Globus Usage + Metrics System

- CC Globus service is actively used by a large variety of researchers at many sites, to transfer both within CC and around the world

- Since GlobusWorld 2014:
  - 700TB+ transferred
  - 62M+ files transferred

- Compute Canada has developed a Splunk-based analytics system for CC infrastructure
  - First analytics module developed is for Globus usage
CC-Analytics Statistics System
CC-Analytics Statistics System
Future Directions and Challenges

- National Services → National Support Model
  - National ticketing system (scalability for Globus Support)

- Single Sign-on / integration of CC and Globus accounts
  - Account (username/pw) at each consortium + separate Globus account needed presently

- Refresh of look and feel of branded site to align with new CC website

- Improved bilingualism on branded site

- Extend CC-analytics beyond Globus statistics

- Globus Publishing evaluation