globus online

Reliable File Transfer. No IT Required.

NERSC File Transfer Tutorial

Steve Tuecke

Deputy Director, Computation Institute

University of Chicago & Argonne National Laboratory

Computation Institute

Argonne
NATIONAL LABORATORY

globusonline.org

Some context

Globus Toolkit
Build the Grid

Components for building
custom grid solutions
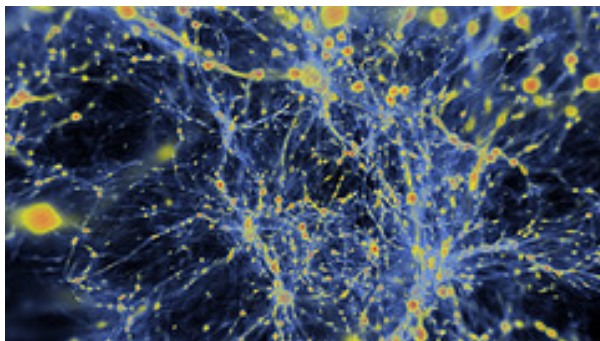
globustoolkit.org

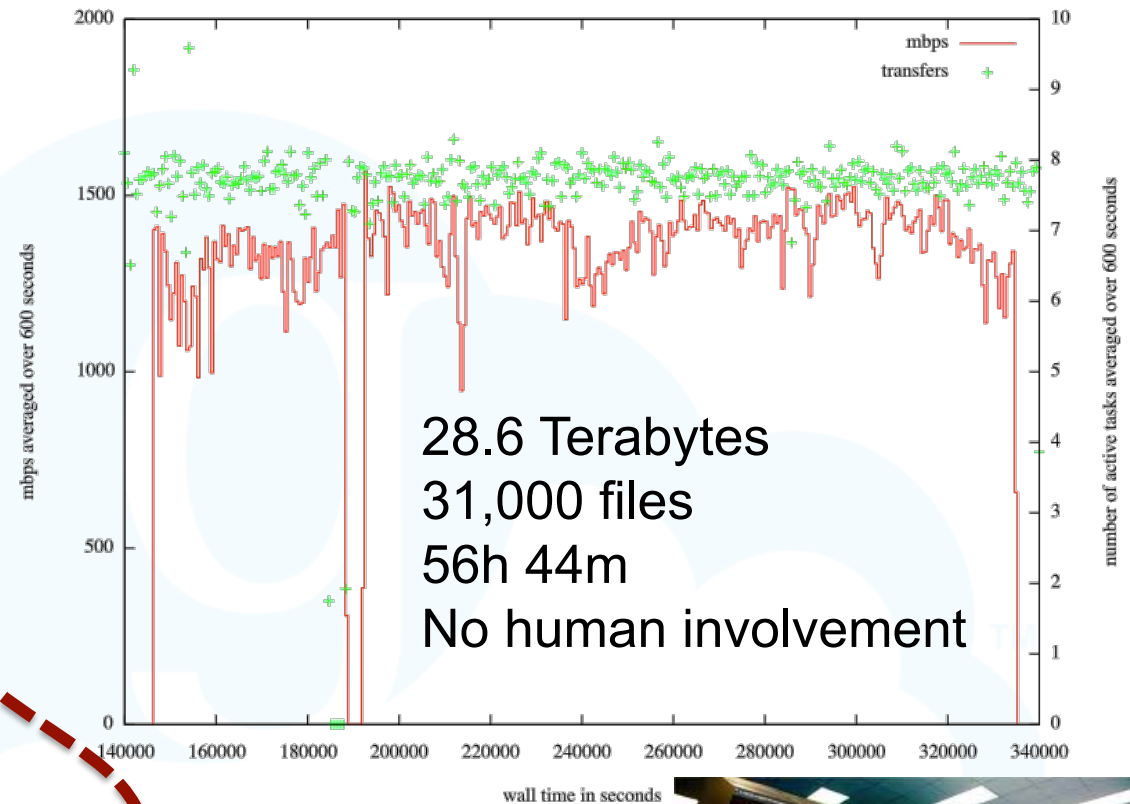## Globus Online
Use the Grid

Reliable file transfer
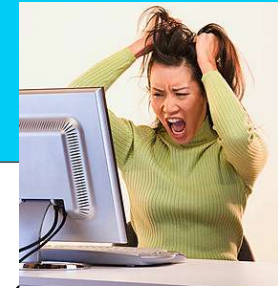Software-as-a-Service

globusonline.org

Globus Online In Action
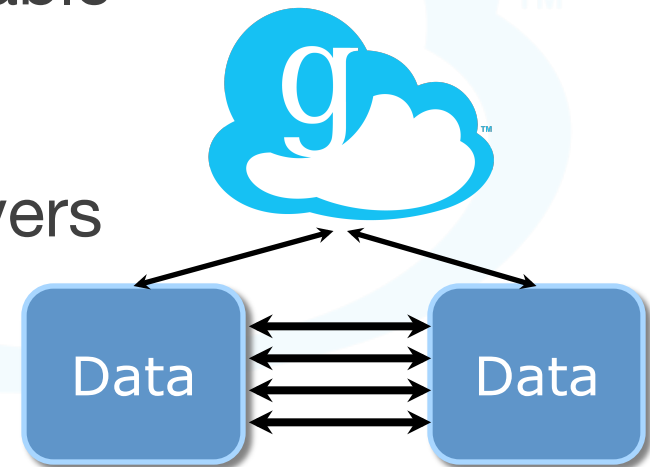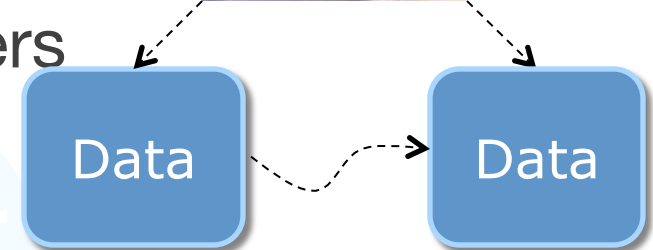

28.6 Terabytes
31,000 files
56h 44m
No human involvement

Astrophysics simulation data
generated in Tennessee,
moved to Illinois for visualization
(Enzo, UCSD; Futures Lab, Argonne)

globusonline.org

Benefits of Globus Online

- ## Reliable file transfer.
  - Easy "fire and forget" file transfers
  - Automatic fault recovery
  - High performance
  - Across multiple security domains

- ## No IT required.
  - No client software installation
  - New features automatically available
  - Consolidated support and troubleshooting
  - Works with existing GridFTP servers
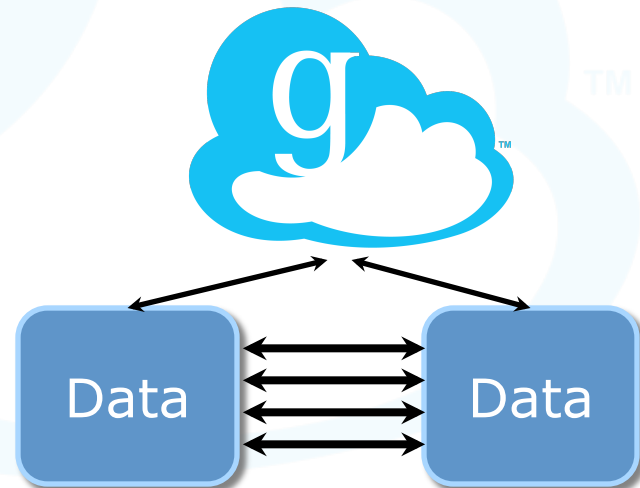 - Globus Connect solves "last mile problem"

Who can benefit from Globus Online

- **Ad-hoc**: Non-programmers who need to move many files can use Web GUI

- **Scripted**: Users who want to create automated workflows can use Command Line Interface (CLI)

- **System builders**: Programmer who don't want to re-engineer file transfer solutions can use REST API

The Globus Online user can ...

- **Register**

- **Transfer** data

- **Monitor** transfers

- **Customize** profile

Next steps

- Let's see it action…

- Sign up and try Globus Online:

  ## https://www.globusonline.org/signup/createProfile

- For an introduction to Globus Online commands:
  http://www.globusonline.org/usingcli

- For more advanced topics:
  http://www.globusonline.org/beyondbasics

- Frequently Asked Questions: http://www.globusonline.org/faq

- Attend GlobusWorld 2011 http://www.globusworld.org
  – April 11-13 @ Argonne (near Chicago)