



globus online



Simplify Big Data Sharing with Globus Online

Steve Tuecke

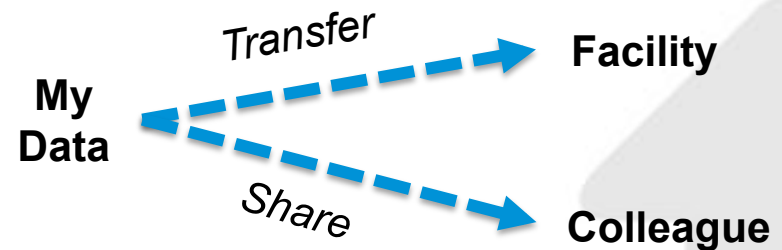
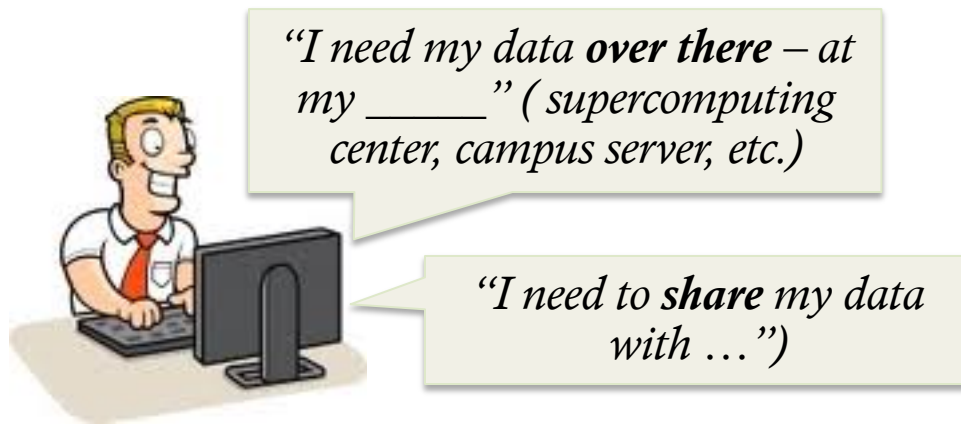
Computation Institute

University of Chicago and Argonne National Laboratory



The Challenge: Moving and Sharing Big Data *Easily*

- What should be trivial...



- ... can be tedious, time-consuming and expensive





Bandwidth Requirements

Bandwidth Requirements to move Y Bytes of data in Time X

Bits per Second Requirements

10PB	25,020.0 Gbps	3,127.5 Gbps	1,042.5 Gbps	148.9 Gbps	34.7 Gbps
1PB	2,502.0 Gbps	312.7 Gbps	104.2 Gbps	14.9 Gbps	3.5 Gbps
100TB	244.3 Gbps	30.5 Gbps	10.2 Gbps	1.5 Gbps	339.4 Mbps
10TB	24.4 Gbps	3.1 Gbps	1.0 Gbps	145.4 Mbps	33.9 Mbps
1TB	2.4 Gbps	305.4 Mbps	101.8 Mbps	14.5 Mbps	3.4 Mbps
100GB	238.6 Mbps	29.8 Mbps	9.9 Mbps	1.4 Mbps	331.4 Kbps
10GB	23.9 Mbps	3.0 Mbps	994.2 Kbps	142.0 Kbps	33.1 Kbps
1GB	2.4 Mbps	298.3 Kbps	99.4 Kbps	14.2 Kbps	3.3 Kbps
100MB	233.0 Kbps	29.1 Kbps	9.7 Kbps	1.4 Kbps	0.3 Kbps
	1H	8H	24H	7Days	30Days

<http://fasterdata.es.net>

Use a Science DMZ to optimize

<http://fasterdata.es.net/science-dmz/>





What is Globus Online?

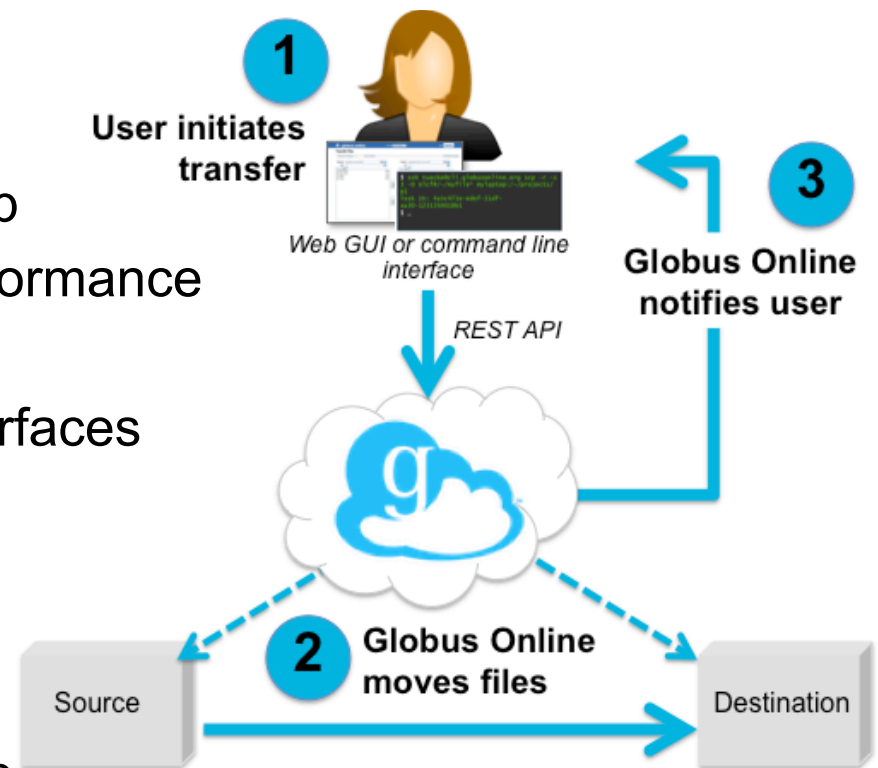
- **Move, sync, share files**

- Easy “fire-and-forget” transfers
- Share with any Globus user or group
- Automatic fault recovery & high performance
- Across multiple security domains
- Web, command line, and REST interfaces

- **Minimize IT costs**

- Software as a Service (SaaS)
 - No client software installation
 - New features automatically available
- Consolidated support & troubleshooting
- Simple endpoint installation with Globus Connect and GridFTP

- **Recommended by ALCF, ESnet, NERSC, XSEDE, Blue Waters, NCAR, many Universities**





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Globus Online Demo



Plus Pricing

- **Why charge?**
 - To sustain Globus Online as a *non-profit service* to the non-profit research community
- **Basic: Free**
 - File transfer and synchronization to/from servers
 - Server endpoints with Globus Connect Multi-User
 - Can host shared endpoints for Plus subscribers
 - Personal endpoints with Globus Connect
 - Access to shared endpoints created by others
- **Plus: \$7/month (or \$70/year)**
 - Create and manage shared endpoints (from any sharable or personal endpoint)
 - Peer-to-peer (Globus Connect to Globus Connect)
 - Support for web and command line interfaces



Provider Pricing

- **Basic: Free**
 - Server endpoints with Globus Connect Multi-User
 - Can host shared endpoints for Plus subscribers
- **Provider: Starting at \$20k/year**
 - Branded web site(s) with choice of default identity provider
 - Management and reporting tools
 - Support for branded, web, command line, and REST interfaces
 - Bundled with a set of Plus subscriptions

<https://www.globusonline.org/provider-plans/>



For More Information

- Visit www.globusonline.org/signup to:
 - Get a free account to start moving and sharing files
- Visit www.globusonline.org for:
 - Tutorials, FAQs, Pro Tips, Troubleshooting
 - Papers, Case Studies
- Visit support.globusonline.org or contact support@globusonline.org for:
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