

Globus for Repositories

Susan Borda - Data Workflows Specialist University of Michigan - Library

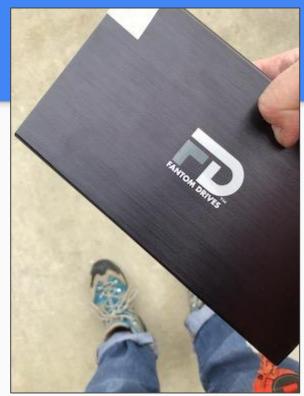


So you want to put your LARGE data set in the repository...

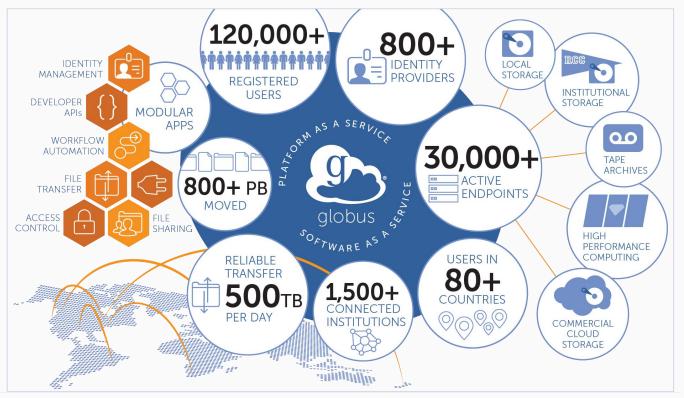
- Where is the data?
- How large is the data?
- What kind of data is it?
- Where does it need to go?
- How to retrieve the data

Where is the data?

- External hard drive
- Personal server in their office
- Lab server
- On a centrally managed server
- Attached to an HPC environment



Still the fastest way to get 1TB across campus!

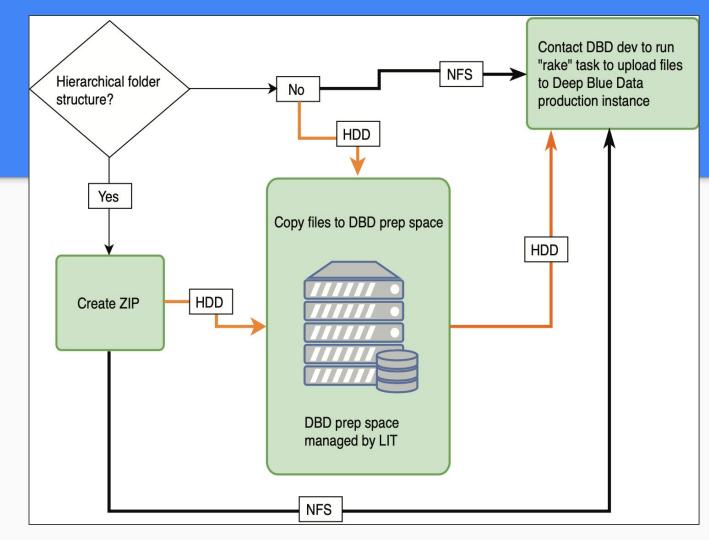


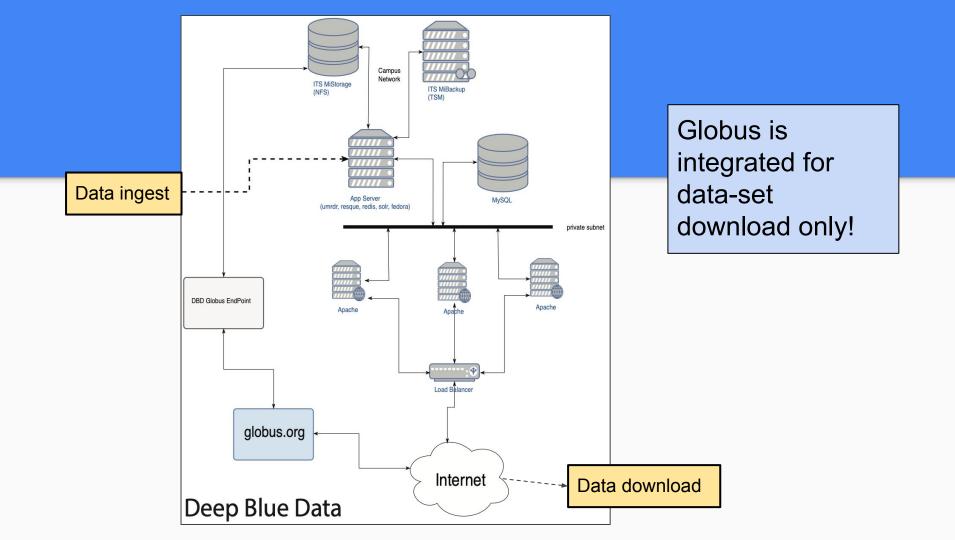
https://www.globus.org/

Helloooo Globus!!

There is NOT a direct connection between Globus and Deep Blue Data for data ingest/upload.

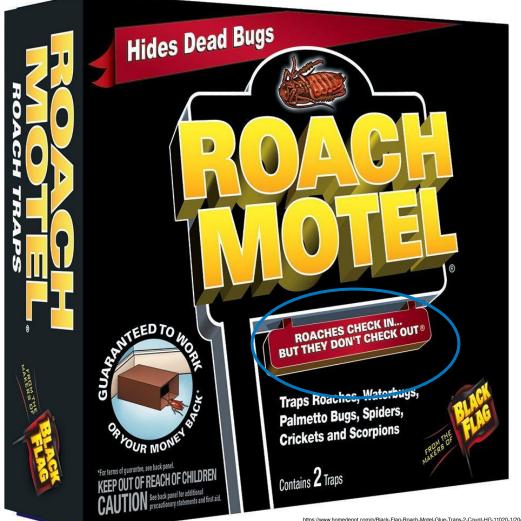
Folder structures need to be zipped or tarred first.

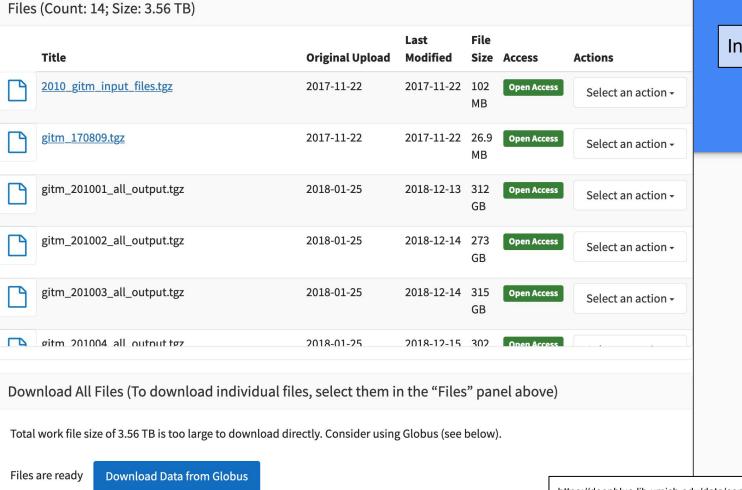




Globus prevents the "Roach Motel" scenario.

Data checks in but doesn't check out.

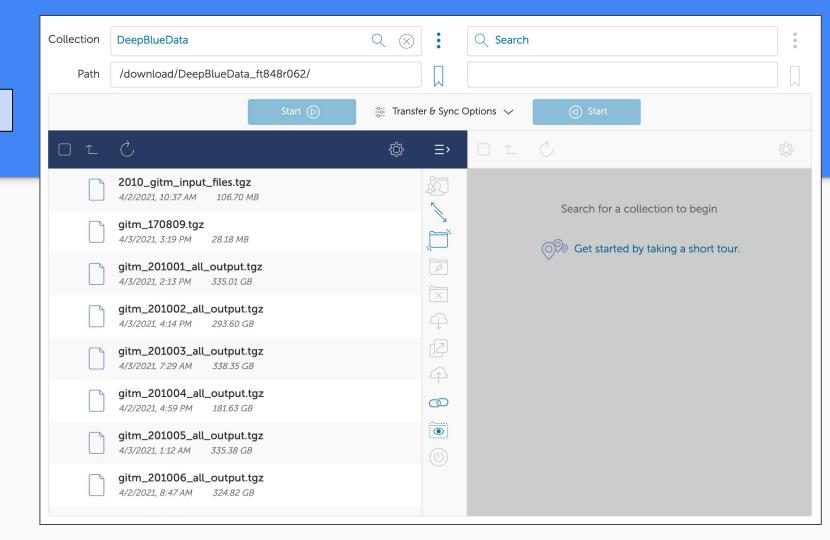




In Deep Blue Data

https://deepblue.lib.umich.edu/data/concern/data_sets/ft848r062?locale=en

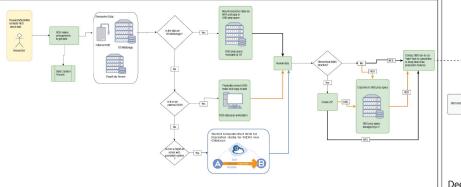
In Globus

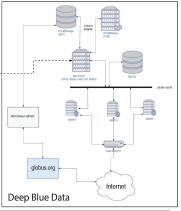


Data Sharing Workflow for Large Datasets (>1TB) with Globus Susan Borda - Data Workflows Specialist University of Michigan - sborda@umich.edu

Research Data Services

Workflow for Large Datasets









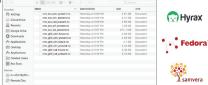






https://github.com/mlibrary/deepblue/tree/master/app/jobs





Complete workflow

https://www.globus.org/



Questions? sborda@umich.edu