GLOBUS AT PURDUE UNIVERSITY

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OUTLINE: GLOBUS IN...

• The HPC Center
  • Statistics
• The Purdue Community
• The Hubzero Platform
  • Files
  • Tools
  • Publication
Deployed Globus in 2014, with a single server.

DTN nodes are now a standard part of each HPC or data resource.
Last 12 months:
1.9 PB transferred (388TB last month!)
Average of 152 TB, 74 unique users per month
SCIENCE CASES

CRYO-EM

Genomics Core
SCIENCE CASES

Ag Extension
Distance Education

Humanities
GLOBUS IN HUBZERO
“PROJECTS”

Link external data into your gateway
HUBZERO TOOLS

Load data or save results for online simulation through a Globus endpoint

Some development in progress against HTTPS endpoints
PUBLICATION

File support + Globus publication APIs

• Use Globus endpoint to link archival storage (HPSS) to publish big datasets in PURR

• DOIs:
  • PURR at Purdue can mint own
  • For other hub owners, target Globus publication for DOIs