

# UT Research Cyberinfrastructure

Research Data Repository  
Chris Jordan

# Goals in support of Research

- Provide high-reliability storage to researchers at all UT System institutions
- Extremely high performance and scale
- Support HIPAA, other secure data types
- Support for collaboration with UT and non-UT researchers
- Support for HPC, Visualization, other specialized research systems

# Characteristics

- Multi-Petabyte Storage capability
- Fully replicated (Dallas and Austin)
- High-performance, utilizing new research network
- Extremely versatile
  - Will support both web and file system access
  - Will eventually support specialized data-sharing applications

# Example Applications

- HPC Applications with large input/output datasets
- Complex workflows with many data components
- Collaborative data collections
- Large-scale data generation and preservation (observational data, socioeconomic data)
- Data Management Plans

# Availability

- Pilot deployment ~December 2011
- Plan for annual expansion of capacity and capability
- Up to 5TB should be available to all UT System researchers on request
- Larger quantities will eventually require some review and/or financial contribution
- “Friendly Users” not subject to limitations at this time

# Are you Friendly?

- During Pilot phase, need users with various usage models
- Not everything will work all the time
- But, will get a higher level of support as we work to understand the system and the use cases
- For conservative users, can submit use cases for future planning efforts

# Requesting Access

- Requests will be made through the TACC user portal
- Users who desire access during pilot phase should talk to Chris or another TACC rep
- “Staging” resources are available now
- All allocations will require a brief description of the research and the planned usage

# Notes and Comments

- All details not set in stone
- Policies will develop over time
- Need user feedback, feature requests, etc to drive development
- Contact: [ctjordan@tacc.utexas.edu](mailto:ctjordan@tacc.utexas.edu)