Today’s Topics

• Research Storage Services at Northwestern University
  – Collaborative *
  – Workflow
  – High Performance Computing
History

- Vision 2020 for Research Computing Support
- RACC Research Subcommittee Recommendation
  - Computing Power and Storage
  - Support Services
- Quest entered production Spring 2010
- Vault Services arrive Fall 2010
Collaborative Storage

- Web-based tool for collaborative and personal research data needs
  - Access to the service through Web and desktop
  - Ability to share data internally and externally
  - 50GBs storage space per account
  - Project spaces
  - Eligibility
    - NU Researchers and Post-Docs

- NOTE: Not Accessible On Quest

Production: Available Now
Collaborative Storage

- Types of Content
  - Datasets
  - Research proposals
  - Digitized video
  - Images
  - Sound

- Not meant for desktop backup
Supplementary Storage

- Facilitate data analysis pipelines, workflows, and meet the need for persistent storage of large-scale results from Quest computations
  - 10-gbit connection to Quest
  - Replicated or unreplicated

Production: Late Fall 2010
HPC Storage

- InfiniBand Connected *Project* Storage to Quest
  - Provides high-speed access to read and write data (IB DDR)
  - Should only be considered when Supplementary Storage does not meet project needs
    - Project storage is not replicated!!

*Production: Available Now*
Demo: Collaborative Storage

- Vault Collaborative Storage
  - http://vault.it.northwestern.edu

- Demo Topics
  - How do I log in to Vault?
  - What are Tickets
    - How do I create a ticket?
  - How do I share a document
  - What is Versioning?
  - How do I delete a file?
  - How do I retrieve a deleted file?
Obtaining Access

- Registration form available on the NUIT Web site
  - [www.it.northwestern.edu/research/adv-research/hpc/vault/secure/vault-account-request.html](http://www.it.northwestern.edu/research/adv-research/hpc/vault/secure/vault-account-request.html)

- Additional questions or help
  - [vault-help@northwestern.edu](mailto:vault-help@northwestern.edu)

- More information
  - [www.it.northwestern.edu/research/adv-research/hpc/vault/](http://www.it.northwestern.edu/research/adv-research/hpc/vault/)
Questions?

Contact: vault-help@northwestern.edu

Want a Vault or Quest presentation for your department or school? E-mail j-paris@northwestern.edu