Emerging Technologies and Research Support

STAFF

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  Linux, research analysis software, desktop support, thinking outside the box

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  Audio/Video recording, storage, software licensing

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CURRENT INITIATIVES SUPPORTING RESEARCH

High Performance Computing (HPC)
 40 nodes (= 80 powerful desktops)
 30 TB compute storage
 UTS for storage, head node, infrastructure
 College-level investment in infrastructure
  OTL, Assoc. Provost, SECS, NSM, Psychology
 Researcher grants for compute nodes
 Proof-of-Concept

REDCap
 Research Electronic Data Capture
 Built by Vanderbilt University
 Joint Program: University Libraries, ORSP, UTS
 Primarily for clinical and transitional healthcare research
 Survey mechanism good at separating Personal Information
 Target for pilot projects: November, 2013

RESEARCH DATA STORAGE

Roles of Data Storage:

Creating	*Local/Network*
Processing *Analysing*	*Local/Cluster*
Preserving *Presenting (access)* *Re-using*	*Network*

Data Storage @ DU:

Historically focused at administrative systems
High performing
Redundant
Backed up
∴ Expensive

RESEARCH DATA STORAGE NEEDS ASSESSMENT

Federal Requirements for Data Management
Data Security
Data Sharing and/or Re-use

Quantify the Needs:
> *How much storage is needed now?*
> *How much storage is needed in 3 years?*
> *What type of data is being stored (pics, text, video, etc.)?*
> *What %age of data is accessed weekly, monthly, yearly?*
> *What %age of data is/will be shared?*
> *Funding Opportunities?*

How to Proceed:
> *Surveys? Focus Groups? Dept. Chairs?*

IF WE DON'T GET THE DATA, WE WILL FAIL.