


RESEARCH COMPUTING DAY
SEPTEMBER 13, 2012
UAB IT 2012 ANNUAL REPORT

EMPOWERING RESEARCH AND SCHOLARSHIP

➤ UAB IT Goal

- To enable research and scholarship eminence through innovative, shared technological advances made available to researchers

UAB IT OBJECTIVES AND STRATEGIES

- Cultivate an e-research community
 - Establish a sustainable funding and management structure for research computing Cyber-Infrastructure and services
 - Enhance existing IT services to align with the needs of the research community
 - Protect and secure electronic information and IT systems
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INFRASTRUCTURE

Research Crescent Informatics Building Studies



UAB PRIMARY DATA CENTER

Current Data Center Options Being Reviewed

- Build New Data Center
 - Consolidated Solution for HSIS and UAB IT
 - New Data Center at existing UAB owned site located off West Oxmoor Valley Rd
- Renovate General Services Building (GSB) and Miller Building
 - Consolidated or Separate Solution
 - Renovate GSB 2nd and 5th floor to accommodate Tier 3 Data Center
- Leasing Co-location Space (TekLinks)
 - Consolidated Solution for HSIS and UAB IT
 - Rent space - Rack/cooling/power
- Remote Hosting (Dell, IBM, Oracle, etc.)
 - Consolidated Solution for HSIS and UAB IT
 - Infrastructure as a Service (IaaS)

The background consists of three large triangular sections meeting at a central point. The top-right section is white. The bottom-left section is a light yellow. The bottom-right section is a dark green. The word "SECURITY" is written in black, bold, uppercase letters, rotated 45 degrees counter-clockwise, and positioned in the white section.

SECURITY



FISMA AND UAB

e-Government Act of 2002 requires FISMA security compliance for all US Gov contractors

OSP determined that UAB contracts and grants must be FISMA compliant

FISMA requires implementation of NIST Risk Management Framework (SP800-37) and NIST SP800-53 Security Controls

Exploring a UAB FISMA compliant core data processing environment for research and contract support



PRESIDENT'S SECURITY FORUM

Interdepartmental, inter-discipline team appointed July 9th

Objectives

- #1 Conduct a campus-wide security risk assessment**
- #2 Identify all servers & information assets on campus**
- #3 Implement appropriate risk mitigation actions**
- #4 Provide periodic reports including breach information**



RESEARCH ADMINISTRATION

IRAP - INTEGRATED RESEARCH ADMINISTRATION PORTAL

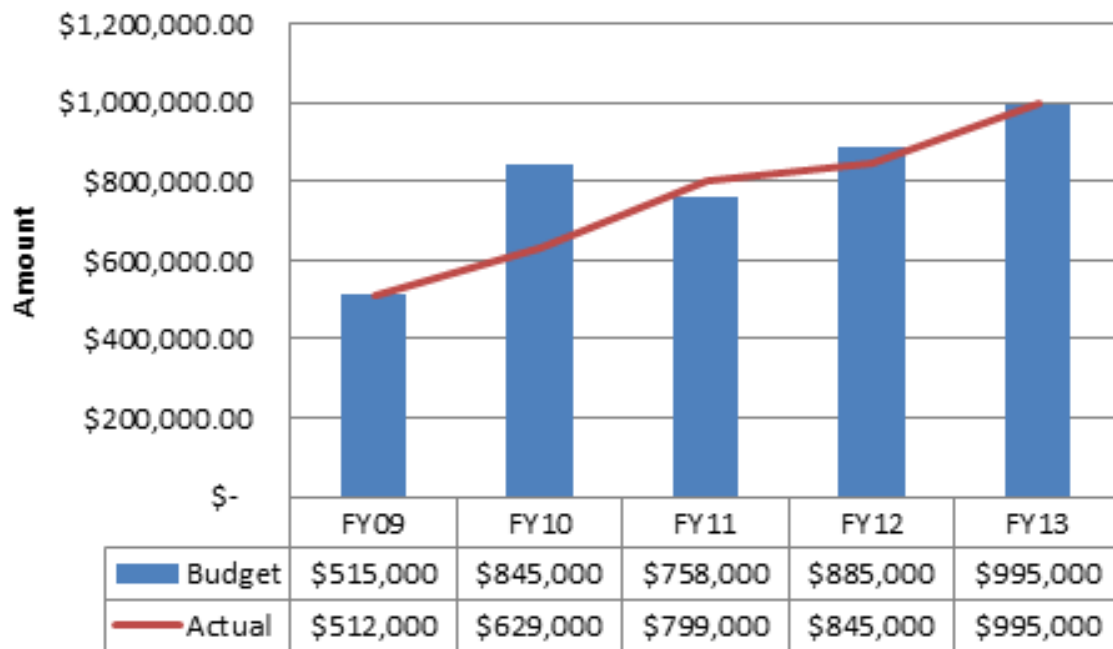
Implemented - External Interests (CIRB); Proposal Tracking (OSP); SPIN, SMARTS and GENIUS

- View information on grants/contracts where you are the PI or named on the project
 - View your current conflict of interest disclosure information
 - Find funding opportunities via SMARTS and SPIN
 - My Profile – update information about your research interests, publications, store CVs and Biosketches
- Implementing – Technology Transfer (RF); Lab Animals (IACUC); Human Subjects (IRB)



UAB IT INVESTMENT

UAB IT Support for Research Computing FY09 - FY13



QUESTIONS?