



FLORIDA STATE UNIVERSITY

Office of Technology Integration Strategic Initiatives FY 2006-2011

Initiative 1: Secure the University's Data and Networks

Secure and ensure the continuity of the University's data, computing, and networking resources.

Key Focus Areas

- Implement the University's Data and Network Security Strategy through essential enabling programs (SACS).
- Create and populate an "out-of-town" disaster recovery (DR) remote server site that is cost-effective to operate.

Expected Outcome

An IT architecture that provides for the security, continuity, and restoration of the University's IT infrastructure and services, as evidenced by fewer security incidents and the ability of the University to continue business after a major disaster.

Key Performance Indicators

- Number of registered servers that are pro-actively scanned (SACS)
- Number of firewalls deployed at various network levels (SACS)
- Number of outreach programs offered to the University community
- Number of enterprise applications running at the DR site
- Number of remote back-ups and remote services running at the DR site
- Success rate of "fire drills" staged at appropriate times to test the ability of the DR site to actually deliver production services during a staged disaster
- Values of the Recovery Point Objective (RPO) and Recovery Time Objective (RTO) on a per system basis

Linked Imperatives

- Foster a Spirit of Customer Service
- Promote Excellence in Technology Services
- Optimize Organizational Performance
- Maintain a Safe, Secure, and Compliant Environment



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Initiative 2: Provide the University with a Robust Set of External and Internal Telecommunications Services and Resources

Make the University's IT telecommunications services network more robust by continuing to upgrade network speed, capability, bandwidth, and coverage, thereby enabling the campus and extended community.

Key Focus Areas

- Upgrade the campus backbone to 10 Gb (gigabits/second).
- Provide 10 Gb internet connectivity via the National LambdaRail, Florida LambdaRail, and the Tallahassee Fiber Loop Initiative.
- Continue to deploy more wireless networking infrastructure to fill the existing "green spaces" as well as begin covering classrooms and other University areas in anticipation of supporting the required laptop initiative (SACS).
- Create and deploy departmental network service offerings to allow for "last mile" robustness and set-up for deployment of Voice over IP (VOIP) phone services.

Expected Outcome

A build-up of the networking core at the University that satisfies the current demands on network reliability and speed, as evidenced by the continued growth of network complexity, redundancy, and bandwidth; ability for researchers to have end-to-end high bandwidth connectivity as required by their research; and the ability for University users to supplement or replace existing phone services with "utility grade" network-based VOIP phone service.

Key Performance Indicators

- Architectural complexity of the backbone network as measured by bandwidth, redundancy, and reliability of key network segments
- Internet connectivity redundancy and bandwidth, including size of the campus wireless (SACS)
- Number of departments and researchers that are connected to the campus backbone with bandwidth appropriate to their research requirements
- Number of VOIP deployments across campus



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Linked Imperatives

- Foster a Spirit of Customer Service
- Promote Excellence in Technology Services
- Optimize Organizational Performance



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Initiative 3: Sustain and Extend the Value of the University's Key Enterprise Applications and Data

Sustain and augment the value to the core IT enterprise services, applications, and data.

Key Focus Areas

- Consolidate and integrate the various enterprise service environments managed by OTI (SACS).
- Deploy and integrate more Oracle/PeopleSoft modules into the University's business operations.
- Optimize enterprise IT capability to help achieve and sustain American Association of Universities (AAU) Pathways to Excellence initiatives.

Expected Outcome

Sustained, integrated, and enhanced IT services, applications and data—campus-wide—as evidenced by having fewer, more powerful services, more Peoplesoft applications, and the ability of the University to stay current with IT.

Key Performance Indicators

- Number of enterprise servers consolidated and/or virtualized (SACS)
- Number of additional Oracle/PeopleSoft modules deployed
- Increased and sustained IT funding of key initiatives

Linked Imperatives

- Foster a Spirit of Customer Service
- Promote Excellence in Technology Services
- Make FSU a Great Place to Work
- Optimize Organizational Performance



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Initiative 4: Provide the University with a Robust Set of Student, Faculty, and Staff Technology Servers, Resources, and Support.

Sustain and further develop the University's IT infrastructure by developing and extending key existing services.

Key Focus Areas

- Administer and promote Blackboard functionality and support.
- Create infrastructure/support system for student laptop requirement and expanded storage area network (SAN).
- Grow the use of technology in classrooms.
- Increase wireless internal networking availability (SACS).
- Develop a cohesive computational strategy to assist FSU researchers in having access to computational resources commensurate with their research projects.

Expected Outcome

Sustained and growing "bread and butter" enterprise services and resources that are used by students, faculty, and staff, as evidenced by the deployment of additional features of existing applications and emerging technologies.

Key Performance Indicators

- Number of integrated web services into the University portal environments (SACS)
- Number of technology-enhanced classrooms and facilities, campus-wide (SACS)
- Number of internal wireless access points (SACS)
- Number of campus-wide software licensing initiatives
- Number and configuration of state-of-the-art High Performance Computing (HPC) servers for faculty members

Linked Imperatives

- Foster a Spirit of Customer Service
- Promote Excellence in Technology Services
- Make FSU a Great Place to Work
- Achieve Excellence in the Physical Campus Environment