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Overview
The University of Wisconsin System Administration Information Technology Plan outlines the Office of Information Services information technology projects that have been completed in the prior fiscal year, are currently in progress or are planned for the current or next fiscal year. The Office of Information Services updates this plan annually.

The Office of Information Services (OIS) provides information technology services needed by University of Wisconsin System Administration (UWSA) in order to fulfill its mission to work with the Board of Regents in leading and serving the UW System institutions. The projects represented in this plan will enable OIS to support UWSA in its mission by providing new technology solutions to support stated initiatives; maintaining and enhancing our existing application portfolio and technology infrastructure to ensure stability and reliability; and laying the groundwork for the anticipated needs of UWSA.

Fiscal Years 2012 and 2013 Completed Projects

Transfer Information System Phase IV
The purpose of Phase IV of the Transfer Information System (TIS) is to provide degree audit functionality via the internet for students considering transferring between University of Wisconsin System institutions or to a University of Wisconsin System institution from an external institution. Implementation of TIS Phase IV has been completed for UW-Madison and UW-Oshkosh.

Netware to Windows Migration
Our previous Information Technology Plan stated that file services would be migrated from Netware to Xythos; however, it was decided to instead migrate from Netware to Windows. Migration from Netware to Windows was successfully completed in May 2013.

Windows 7 Upgrade
Windows 7 has replaced Windows XP on all Windows-based desktops and laptops at UW System Administration, with the exception of desktops or laptops unable to support Windows 7 or where software used on the desktop or laptop is incompatible with Windows 7.

Central Data Request (CDR) Changes and Restructuring
CDR is the primary method of obtaining student, academic and financial aid information from UW institutions for use by the Office of Policy Analysis and Research (OPAR). The CDR system was updated to improve accountability, accommodate growth, improve ease of use and performance, and to reduce Social Security Number exposure.

Wisconsin GI Bill Batch Update and Supplemental Payments
The ability for the existing Wisconsin GI Bill tuition remission system to process batch updates from UW institutions and to support complex supplemental payments was implemented in Fiscal Year 2012.
Continuity of Operations
A hot site has been established at the Pyle Center, which will ensure continuity of UW System Administration IT services in the event of an unplanned interruption of operations that impacts the IT infrastructure located at 780 Regent St.

Fiscal Years 2014 and 2015 New and Continuing Projects

Trust Funds Fiscal Year End Synoptic Report System
We will complete the implementation of a data system to support the automation of synoptic reporting for Trust Funds. This system will eliminate extensive manual processes that Trust Funds performs annually.

Transfer Information System Phase IV
Implementation of TIS Phase IV will continue at remaining campuses. We plan to implement TIS Phase IV at UW-Green Bay and UW-River Falls during Fiscal Year 2014.

Tuition and Fee Reporting
The 2014-2015 biennial budget includes a requirement for the UW System to report five years of tuition and fee information for all UW institutions to the legislature by October 15 of each year, starting with 2013. We are developing a system for the Office of Budget and Planning to facilitate this reporting for all UW institutions. The first phase of the project will implement basic data collection and reporting functionality in order to meet the October 15, 2013 reporting requirement. A second phase of the project will implement a web-based application to support the annual collection and reporting needs for future years and will be implemented early in Fiscal Year 2015.

Statewide Longitudinal Data Systems
We have received an ARRA grant as a sub grantee of the Department of Public Instruction to support Statewide Longitudinal Data Systems (SLDS). UW System Administration is utilizing the grant to meet the needs of SLDS by implementing enhancements, such as the Wisconsin Student Number, in our existing systems containing student information.

Fringe Benefits Tool
We are working with Financial Administration to provide an electronic method of distributing extramural salary information to UW System institutions via the internet. This project will provide a stable and secure system that will provide data to institutions in a more consistent and less labor intensive manner than the current process. The initial phase of the project will be implemented in Fiscal Year 2014 and will improve data flow, improve reconciliation and improve stability of Financial Administration’s current Excel-based process. Phase two of this project will build upon the initial phase, and will provide a web-based application to replace the current Excel spreadsheet, improve security and improve usability.
Application Program Versioning
The current systems and methods used by the Office of Information Services for securing and versioning application source code are not robust enough, do not provide an adequate audit trail for application changes and do not adequately support current application development tools, such as Java and PHP. We will implement Subversion in Fiscal Year 2014 in order to address these shortcomings.

Evaluate Office365
We will study the feasibility of migrating UW System Administration to Microsoft Outlook in Office365 during Fiscal Year 2014 and may begin migration to Microsoft Outlook during Fiscal Year 2014 if it proves to be feasible and cost effective.

CDR/CEUS Redesign
The CDR data extract process and the CDR Edit/Update System (CEUS), which is used to verify and transform CDR information extracted by each institution, are being redesigned to improve process flow, improve usability, reduce application support costs and replace aging application technology components with current application technology. The first phase of the project is tentatively scheduled to be implemented early in Fiscal Year 2015.

Course Completion
In order to meet the needs of the UW System Growth Agenda for Wisconsin and to include Wisconsin in the national Access to Success and Complete College America initiatives, the Office of Policy Analysis and Research is interested in collecting student course completion information from each institution as part of the CDR process. Our goal is to implement the needed changes during the first half of Fiscal Year 2015.

Password Self Service
We will be exploring the feasibility of implementing a web-based method for all UW System Administration users to change or reset their UW System Administration password. Implementing this system will enable us to tighten current password security standards and to synchronize passwords across platforms, specifically between the Windows network and the Oracle databases. We plan to understand the feasibility of this project in Fiscal Year 2014.

RAD to Eclipse Migration
We plan to migrate our Java application development environment from IBM’s RAD platform to the free, open-source Eclipse platform.

PowerBuilder Sunsetting
A large number of user-facing applications are written in PowerBuilder, a 1990s era application development tool used to develop client-server applications for the Microsoft Windows operating system. We plan to gradually replace these applications with web-based applications based on current technology, which will eliminate PowerBuilder licensing costs, reduce support costs and allow our applications to be operating system agnostic. Our plan for Fiscal Year 2014 is to complete a roadmap for
sunsetting our PowerBuilder applications. If feasible, we will begin the process of sunsetting applications according to the roadmap in Fiscal Year 2014.

**Wisconsin GI Bill GPA Requirements**
We will be enhancing the Wisconsin GI Bill application to enforce minimum GPA requirements that have been mandated by the legislature.

**Purchasing Card Application Rewrite**
We will be rewriting the Purchasing Card application used by Financial Administration in order to migrate it to a standard technology framework, reduce maintenance costs and improve usability.

**Security Baseline Guidelines**
We will implement the security measures outlined in the Security Baseline Guidelines document being developed by UW System Information Security Officers in collaboration with the CIO Council. The guidelines outline measures to be taken to secure our IT network, servers, workstations and applications in order to prevent unauthorized access or release of sensitive information.

**Flex Degree**
OIS will be working to implement changes to existing systems to support the needs of the Flex Degree. In addition, OIS will work with OPAR in conjunction with other UWSA offices, UWEX and UW System campuses to design and develop a new system to collect Flex Degree student, financial aid and academic information to support the analysis and reporting needs of OPAR.

**PHP Application Environment Upgrade**
The PHP web application environment will be upgraded to the latest versions of PHP and Apache server. This change will be made to address security vulnerabilities and will standardize OIS’ implementation of PHP, requiring rewriting portions of some web applications.

**Service Center Migration**
OIS will work with Human Resources and Workforce Diversity and various UW-Madison departments to facilitate the migration of approximately 100 Service Center employees from UW-Madison to UWSA. This will involve provisioning users on the UWSA network and systems as well as a physical move to new office space sometime in 2014.

**Postponed Projects**

**Facilities Planning Data System**
The goal of the Facilities Planning Data System project is to implement a single system to meet the needs of all UW System Administrations departments that either relate with or handle facilities data. This project was postponed in Fiscal Year 2012 due to a lack of customer resources.
Document Imaging and Management
A number of offices within UW System Administration have expressed a need to electronically store and manage documents to improve security, retention and accessibility of a variety of documents, from financial records to real estate and land records. We will work to understand the document management needs of UW System Administration as a whole so that we can identify the solution or solutions that will best meet the needs of the organization.

Sungard Replacement
The Office of Trust Funds is interested in replacing their current Sungard system used for endowment management. We will work with Trust Funds to identify a suitable vendor application and potentially assist with implementation if a suitable application is identified and purchased.

Dropped Projects

Tuition Remission
The purpose of this project was to provide an electronic method of distributing institution and system-wide data to UW System institutions via the internet in a secure and consistent manner. This project was dropped due to OIS staffing constraints.

Convert my.uwsa.edu to MODx
Responsibility for the development and maintenance of UW System Administration web sites, including my.uwsa.edu, has moved from the Office of Information Services to the Office of Communications and External Relations. As such, this project has been removed from our Information Technology Plan.

Mobile Application Infrastructure
UW System Administration has not identified a need to develop or support any mobile applications at this time.