LSUHSC-NO IT

2016 Current Projects

2016 Project Goals

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2016 IT Projects In Progress

- **Applications**
  - Developing an Applicant Tracking system to be used by all of LSU Health for tracking applicants applying for positions at LSU Health.
    - Resume' upload, applicant login and profile completed. Working on the OFCCP question formatting and integration with job posting applications.
  - Community Outreach
    - Working with each of the schools to look at streamlining the tracking and reporting of community outreach activities.
  - Contracts Enterprise Application
    - Working on making the contracts application an enterprise application.
  - Developing a self-service Visitor Wireless Access application for the supporters.

2016 IT Projects In Progress

- **AV**
    - Expanding MediaSite capabilities to accommodate team-based learning and lecture capture. STRATEGIC OBJECTIVES - In Progress: 11/30/15 - Implemented a temporary solution for team-based learning with microphones in the MDL. SoPH is using Mediasite after the upgrade was implemented. As new classrooms come online Mediasite is being implemented.
    - Upgrading the MEB Seminar Rooms to digital.
    - Working on various video and audio projects for the Chancellor's Office and others.
    - Designing a new A/V system for AHSoN 1014.
    - Designing a new A/V system for AHSoN LH B.
    - Designing the following spaces at the Dental School:
        - Copping Room
        - Dean's Conference Room
        - Simulation Lab
        - Pre-Clinical Lab

2016 IT Projects In Progress

- **PeopleSoft**
  - PS Financials Upgrade - Remaining Work to be completed in 2016:
    - Two additional test passes
    - Comprehensive system testing
    - Production go-live - April
    - Upgrade of Reports and Archive databases – April

2016 IT Projects In Progress

- **PeopleSoft**
  - PSHR and Student
    - Implement Online Effort Certification process with supervisor approval workflow.
    - Implement Online W2's.
    - New 1095 and 1094 forms process needed for ACA.
    - Leave Adjusted Service Date (Programming done. Users testing).
    - Applying Payroll year end patches.
    - Working on 1098-T's.
    - New IPEDS Outcome Measures report needed for Student.
    - Update Student Financial Aid section of IPEDs for GI Bill.
    - Research setup and changes needed for the School of Graduate Studies in N.O to use TOEFL to load test scores.

2016 IT Projects In Progress

- **Email/Web**
  - Email archiving upgrade
  - Exchange 2013 migration
  - Make emergency communications more efficient
  - Evaluate open source Content Management System for the Intranet
  - Replace SHA-1 SSL with SHA-2 to improve security
  - Add desktop alerting services for emergency communications
  - Modify IPTV solution to be compatible with Cox "Going All Digital" initiative
  - Research and plan for PS tools upgrade
  - Create web best practices guide - including responsive design techniques
  - Ongoing security improvements. In 2015 have already improved Nessus base scores for web servers from an average of 82.22 to 24.68.   Also improved security and performance of SFTP services.

2016 IT Projects In Progress

- **Telecom**
  - Implement a 10 member Call Center for Human Resource Management.
  - Add approximately 350 users to the VoIP system in the Lion's Eye Center Building.
    - These users include The School of Public Health, The School of Medicine Dean's Office, The School of Graduate Studies, Miscellaneous SoM Departments and the Neuroscience Center of Excellence.

2016 IT Projects In Progress

- **DBA**
  - Migrating SQL 2005 databases to SQL 2012 or SQL 2014.
  - Setting up SQL servers to use SCCM to apply patches automatically.
  - Upgrading to SQL 2014 on PS HR and student development servers.
  - Upgrading to SQL 2014 on PS FS development servers.
  - Participating in a SQL Rap session follow-up, remediation, and on-going work to ensure the server is performing optimally.

2016 IT Projects In Progress

- **Enterprise Server**
  - OS Update and replacement of all PeopleSoft Tuxedo and Web servers.   Virtualize remaining SQL servers.
  - Upgrade Internet Explorer to version 11 on PS Desktop.
  - Upgrade RCB to 8 Gbps Fibre-Channel Fabrics, to support SAN connectivity for RCB Chassis 2. (Fabric B done. Fabric A remaining.)
  - Develop infrastructure to support the capture, storage, and manipulation of vast data from multiple sources in support of research, teaching, clinical care, and administration.
    - STRATEGIC OBJECTIVE - In Progress: Meeting with vendors, getting specs.

2016 IT Projects In Progress

- **Security**

  – Revising PM-36 (Information Security Policy) in collaboration with all LSU campuses.

  – Evaluating and implementing two-factor authentication to secure sensitive and/or protected data.

    - STRATEGIC OBJECTIVE - In Progress: 9/23/15

2016 IT Projects In Progress

- **Enterprise Networking**
  - Replacing the current 1 Gigabit circuit from DPS to LSU Frey.
  - MEB Lecture Halls
    - Installing 8 access points to add wireless to the MEB lecture halls for the students.
  - Failover Internet Connection
    - Installing a secondary Internet connection at DPS that will use Level3 instead of LONI.
  - RH/STA Core Upgrades
    - Replacing end-of-life core switches at Residence and Stanislaus.
  - RH/STA Internet Assessment
    - Evaluating feasibility of providing Internet as a service to dorms and upgrading wireless in buildings.

2016 IT Projects In Progress

- **Enterprise Networking**
  - WAN Upgrade(s)
    - Installing a 20Mbps Cox circuit at Lafayette Dental to provide annual savings. LONI fiber will be installed to DS.
  - WAN Upgrade(s)
    - Replacing EOL WAN routers at KRMC, BSC, WJV.
  - LAK LAN Upgrades
    - Core switch replacement

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2016 IT Projects In Progress

- ## **VCAF Support**
  - Working with supporters on converting existing Symantec Encryption systems to Microsoft Bitlocker.
  - Proof of Concept (POC) for Dell Data Encryption (DDEP) to address Apple MAC, Non-Domain systems.
  - POC for Profile Unity software on VDI desktops.
  - SCCM Upgrade to V 2016.
  - Upgrade VDI Desktop Broker software to v8.6.1.

2016 IT Project Goals

- **Applications**
  - Upgrade the Budget System
  - Rewrite the CRS Web application
  - Develop a Mass Mail workflow System
  - Upgrade applications from SQL Server 2005 to 2012
  - Develop a Telecom: Work Orders / Help Desk System

2016 IT Project Goals

- **AV**
    - Repair and upgrade the Chancellor's Large Conference Room
    - Upgrade all classrooms using blended projectors to HD and widescreen
    - Refresh standard definition (SD) Mediasite recorders to high definition (HD)
    - Upgrade more classrooms and conference rooms to include A/V systems
    - Upgrade IT conference room A/V equipment
    - Create a DVD of the 2016 Commencement
    - Create a video request online form, similar to the room request form
    - Implement a studio for recording of green screen and audio
    - Acquire flying drone for GoPro camera for use in video production

2016 IT Project Goals

- **DBA**
  - Upgrade Tuxedo on all PeopleSoft servers
  - Upgrade PeopleTools on all PeopleSoft servers to 8.54
  - Gather specifications, acquire, and setup a SQL 2016 server

2016 IT Project Goals

- **Email / Web**
  - Setup Exchange Hybrid Mode.
  - Expand Office 365 services.
  - Purge inactive student mailboxes from email archiving.
  - Research alternatives for email archiving.
  - Expand digital signage wayfinding - Event wayfinding and include more buildings.
  - Restructure the Intranet website.
  - Expand the services available from file sharing (Email drop).
  - Replace the web calendar solution.
  - Update campus maps on the website.
  - Improve or replace our web analytics solution.
  - Upgrade Microsoft IIS (Internet Information Services).

2016 IT Project Goals

- **Enterprise Networking**
  - Receive Approval and Implement Residence Hall Internet Project.
  - Utilize spares budget to replace EOL switches in Lions Eye and to expand campus PoE capabilities.
  - Install an Internet connection through an alternate Internet provider for redundancy and stability.
  - Receive NSF CC*DNI grant and look for other grant opportunities.
  - Look for ways to reduce spending and/or save money.

2016 IT Project Goals

- **PeopleSoft**
  - Add more PER forms online
  - Implement Retirement Manager Interfaces (Required by LSU Main Campus)
  - Add new functionality to online SF6
  - Upgrade PeopleTools to 8.54
  - Start upgrade process for 9.2 HCM and 9.2 CS
  - Complete the archival of fiscal year 2012 prior to the Application 9.2 upgrade. Fiscal year 2013 may be completed, depending on the impact of the pending PeopleTools upgrade. Completion of 2013 will put us in our intended position of having current and two prior fiscal years of data in Production. With the enormous reduction in growth rate over the past few years, related to the privatization of the hospitals, the database will be small enough to efficiently and economically be maintained for years to come, or until we move from PeopleSoft to another ERP system.

2016 IT Project Goals

- **Information Security**
  - EIS-JUMP:
    - Transfer EIS jobs and re-write in Power Shell
    - Install EIS security tools
  - Complete conversion to DGS 2.0 (manages AD groups)
  - Splunk:
    - Increase usage
    - Reconfigure role security
  - Reconfigure MediaSite security for SoAH and SoPH; implement DGS where applicable
  - Varonis:
    - Replace temporary VM with permanent server for Collector component
    - Implement reporting and alerts

2016 IT Project Goals

- **Information Security**
  - Active Directory:
    - Upgrade DCs to Server 2012 R2
    - Put a Microsoft Domain Controller in the Microsoft Azure cloud
    - Implement ADFS 3.0 in Azure
    - Complete Azure Rights Management research
    - Replace in-house GAL sync, UHS and UMC-NO, with possible federated services.
  - Implement site-to-site VPN Redundancy
  - Work with DHH on Penetration Testing and external scanning
  - Research Behavior Analytics

2016 IT Project Goals

- **Information Security**
  - Train Network Security staff
  - Juniper (Pulse Secure) Client VPN:
    - Upgrade/replacement
    - Redundancy
  - RESNET (wireless for dorms) Security
  - Research data loss prevention (DLP)

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2016 IT Project Goals

- **Enterprise Server Support**
  - To the extent feasible, reduce the total number of VMWare ESX hosts, and eliminate older versions of ESX, in favor of 5.x and 6.x.
  - Plan for server hardware and VMWare refresh for Exchange and Nearpoint servers: Evaluate whether these projects would best be served via the Service Center model going forward.

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2016 IT Project Goals

- **Enterprise Server Support**
  - Stand up a new Citrix XenApp 7.6 Farm. Currently LSUHSC is on XenApp 6.0.
  - Explore SSD-on-SAN storage, SSD Cache engines, NAS storage offerings, for research, etc.
  - Enterprise Vault File System Archiving – Current version (v.9) reaches EOS in August, 2017.   We need to begin researching what will be required to upgrade to version 11 or newer, and/or explore alternative to EV.   (2016/2017)