UNOS Information Technology Advisory Committee (ITAC)

Robert Merion, MD June 23, 2014





Agenda

Opening Remarks – Robert Merion

5 min's

IT Staffing Update - Jo Anne Snyder

10 min's

IT Update – Alex Tulchinsky

30 min's

- Key Project Updates
 - Recently Complete
 - Currently in Progress
- First 60 Days Observations, Evaluations, Direction

Establishment of User Group

10 min's





IT Staffing Updates





Building the Pipeline of Talent June 2013 – June 2014

Filled and Open Positions

- 58 positions filled
- 22 vacant positions
 - 8 posted positions (3 new, 5 replacements)
 - 14 positions on hold
 - 19 positions reallocated (October)

Talent Acquisition

- Setting expectations
- Removing barriers
- Implementing best practice
- Reviewing with hiring leader





Building the Pipeline of Talent

Job Fairs

- RVA Career Expo (81 attendees) (Oct)
- VCU College of Engineering Spring Career Fair (30 attendees) (Feb)
- VCU Non-Profit Spring Career Fair (50 attendees) (Feb)
- (4) Onsite Job fairs (125 attendees) (Nov, Dec, Jan, Feb)

Recruitment Firms

- Rebuilding relationships
- Decreased the number of firms by 50%

Relationships in the Community

- Partnership with colleges and universities
- Building internship opportunities in 2015





IT Update





Work Completed Since November 2013

- CPRA
 - Final updates to CPRA calculation and HLA frequency tables
- KAS Ki/PA Wait Time
 - Allow Transplant Centers to update kidney qualifying data
- KAS Phase 1 Release
 - EPTS calculator
 - Additional data elements for upcoming change to the allocation algorithm
- KPD
 - Kidney Paired Donation programs now have the ability to view the exchange and match donor information, as well as enter their match offer responses directly into the KPD application within UNetSM. All match offer responses are recorded using the KPD application.





Work Completed Since November 2013

- Modify Patient Safety Part 1
 - Updates to safety data entry and categorization
- Modify requirements for mandatory HTLV-1/2 testing for all potential donors
 - Removal of requirements for serology
- Reorganize hemodynamic data on adult heart Status 1A justification form
 - Improvements and re-organization of data entry form
- VCA Program Type Added to Membership Application
 - Membership Application now includes transplant program pages for VCA to allow Membership Dept. staff to collect and track the necessary membership data for vascularized composite allografts (VCAs)
- DonorNet Improvements (Non Policy)
 - Expanded Browser Compatibility (IE 10, Apple Safari, Google Chrome)
 - Full site availability on iPad and Android tablets





BoD Projects in Progress

- KAS Phase 2
 - Integrate EPTS calculation into a national kidney allocation system
- LAS add bilirubin to lung algorithm
 - Add parameters for survival modeling
 - Provide calculation results of wait list urgency and transplant survival measures to users
- Uniform National Pancreas Allocation
 - Create a new kidney/pancreas and pancreas allocation system





Non-Policy Projects in Progress

- Electronic Tracking and Transport (ETT)
 - Integrate DonorNet's import/export feature
- Membership Form Automation
 - Eliminate the need to fax in forms



- Includes enhancements for Public Comment
- Screen candidates at Inactive Programs
- SharePoint 2013
 - Provides improved look/feel and tighter integration with MS Office
 - Migration of external SharePoint sites has begun
 - Target completion: June 30th
- Password Reset
 - Will no longer need to call the Organ Center to reset passwords for SharePoint and UNet
 - Target completion: Q4 2014







Upcoming Projects

- Reinstate the "No Appeal/No Withdraw" button for denied MELD/PELD exceptions
- TIEDI OMB changes
- Improvements to vessel disposition reporting
- Modify OPO and Transplant Center requirements
- Clarify data entry screens for A2 and A2B in UNet
- Potential Donor-Derived Disease Transmission Event (PDDTE) form
- Ped liver remove ICU requirement & modify ped liver hepatoblastoma
- Update HLA Equivalency tables





IT Work Plan Since November 2013

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Revised Work Plan: LAS proposal

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Going Forward - Streamlining the Process

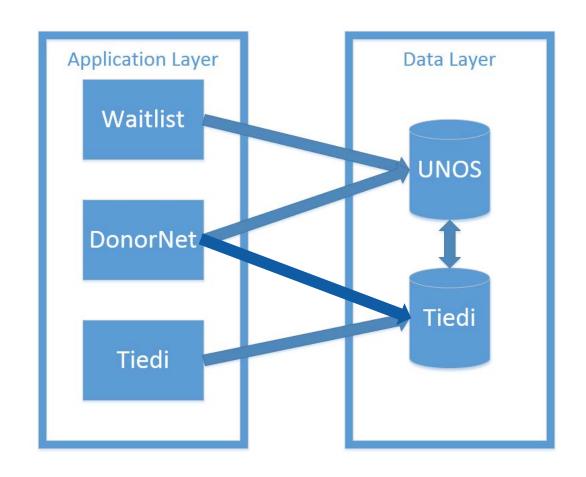
UNOS IT will be nimble, agile and focused providing the best experience possible for the community

- Eliminate unnecessary processes from the workflow
- Focus on the user experience and engage with the community
- Advance the capabilities of the IT organization





UNET Connections @ High Level View







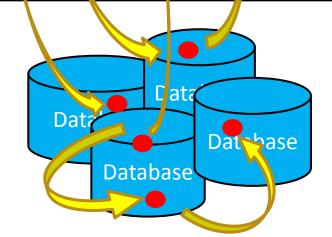
Current Architecture

Tightly Coupled Systems

Small Changes ... Become Big Efforts

Business Logic & Data Layer

Request









User

Layer

Interface &

Application

Going Forward – Creating a Scalable Architecture

UNOS IT will provide a sustainable, long-term architecture to meet the needs of the Donor and Transplantation Community

- Reduce the complexity of the existing architecture
- Provide incremental and continuous improvements
- Ensure Business Continuity for Key OPTN Services



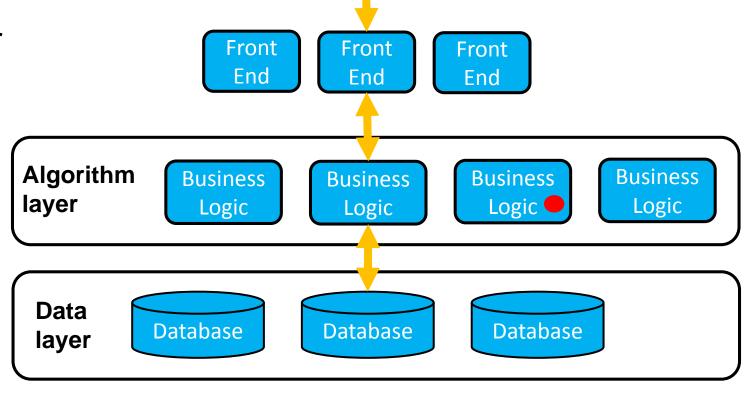


Target Architecture

Request

Modular Services operating independently of one another

Small changes have limited impact



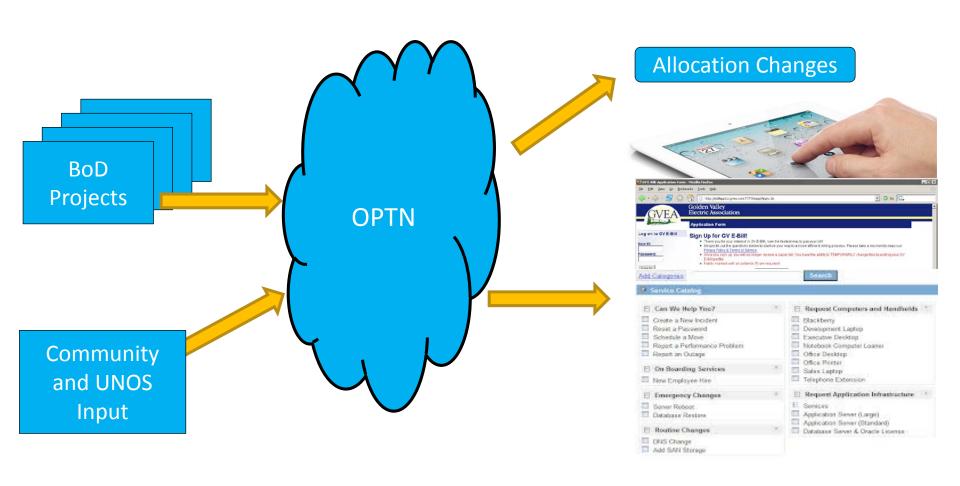
User

Interface





Beyond Policy Driven Change







Business Continuity





- The current backup site is not a practical solution to continuing operations
 - Capacity constraints due to manual efforts and system resources
 - Fail back to primary site is difficult and time consuming
- Goal October 1st
 - Define realistic technology continuity requirements
 - Determine the gaps
 - Develop a plan and schedule to close the gap and provide the proper level of business continuity

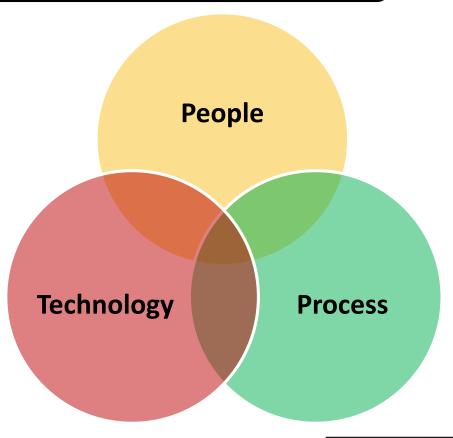




UNOS IT – Becoming a Catalyst

Move UNOS IT from a culture of maintenance to one of service

- Increase functionality
- Deliver solutions faster
- Improve user experience
- Engage community more
- Empower users







Establishment of User Group





Goals, audience, engagement

- Review objective of this effort
 - Increase functionality
 - Deliver solutions faster
 - Improve user experience
 - Engage community in solutions
 - Empower users
- Target audience for this initiative
- Rules and logistics on engagement





Thank you



