IT Briefing Agenda

- Library Service Center
- Messaging Team Updates
- MyPassword Demo
- Infrastructure Update
- Security Update

- Ceray Doss-Williams and Felicia Bianchi
- Jay Flanagan
- Anne Marie Alexander
- Paul Petersen
- Derek Spransy
Ceray Doss-Williams & Felicia Bianchi
Project Managers, Project Management Office

Library Service Center Update
Project Lifecycle

Project Initiation
- PM Assignment
  - Charter

Project Planning
- Budget
- Detailed Schedule
- Go/No-Go Decision

Project Execution
- Change Request
- Go-Live

Project Closeout
- Acceptance
  - Closing Approval Document
  - Resources Released
Project Updates

• Key Construction Updates
• Technology
Construction
The Job Site
Processing Area
Archive Module
Technology

- Scanners
- Storage
- Networks
- Audio Visual conference rooms
- Inventory Control
Technology
Inventory Control

First time integrations with ILS

- Emory Alma (ExLibris)
- GaTech
SLA and OLA – a new Frontier

- Vendors
  - AV (Awyve)
  - ICS (W.B. Meyer)
  - ALMA (Ex Libris)

LITS
SLA and OLA – a new Frontier

- Vendors
  - Scanners
  - Order Pickers
  - Maintenance Lifts
SLA and OLA – a new Frontier

• **LITS**
  - Storage
  - Networking
  - Desktop Support
  - Classroom Technology and AV Support
  - 1st Line of Support for ILL, ICS, & ALMA
SLA and OLA – a new Frontier

- **Vendors**
  - AV (Avyve)
  - ICS (W.B. Meyer)
  - ALMA (Ex Libris)

- **Vendors**
  - Scanners, Order Pickers & Maintenance Lifts

- **LITS**
  - Storage
  - Networking
  - Desktop Support
  - Ist Line of Support for ILL, ICS, & ALMA
Milestones

• Emory Collections prep complete – October 2015
• On schedule, projected construction completion (including shelving) Oct 30, 2015
• Owner furniture installation Nov 2 – Nov 6, 2015
• User move-in (excluding ingest) Nov 9 – Nov 13, 2015
• End to end testing of the system Nov 16
• User training ends Nov 20
• Ingest Begins Dec 2015/Jan 2016
• GT Complete March 2016
• Emory Complete July 2016
WorkZone Camera

• [https://www.workzonecam.com/projects/whitingturner3](https://www.workzonecam.com/projects/whitingturner3)

• Photo and picture credits:
  - KSS Renderings
  - Storage Photo Credit: Sashkin/Shutterstock
  - AV Room Photo Credit: Avyve
  - Books Inventory Storage Photo Credit: William B. Meyer
Questions
10 YEARS AGO

Ding!!!
You've got mail!!!

NOW

436 unread emails
365 Updates

• New VDT for EHC on target for completion by Sept. 1, 2015
• Moves to begin towards the end of September
  – EHC, SOM, SON, Yerkes and any stragglers that somehow got missed
• Additional 2000+ university accounts moved to 365 over the last month
LDS

• LDS now in production
• We are ready to work with you to move your application
• Contact LDS-Migration@emory.edu
• 22 have completed the move to LDS Prod, 43 are in progress and 3 have not started
• https://wiki.service.emory.edu/pages/viewpage.action?pageId=90937569
• We have been reaching out to those groups who are in process
• Complete all moves by Sept. 1, 2015
PW Expiration / Reset

- Required expiration coming this fall
- Communication ongoing
- Spread Sheet available
- General Data on Wiki
  - https://wiki.service.emory.edu/display/infrastructure/Active+Directory+-+Password+Change+Statistics
  - Over 7400+ accounts have been changed
  - Still over 30,000+ accounts need to be changed
Questions?
Anne Marie Alexander
Sr. Manager, Identity Management

MyPassword Demo
Important dates to remember

• July 26 - MyNetID

• September 9 - DOOMSDAY
Questions
Core Upgrade

- Added a distribution layer (green) to the core (light blue)
- Started moving connections from core to distribution on March 18th.
- Since then, there have been more than 20 migration changes, and the team has migrated more than 100 LANs and 500 VLANs.
- We are just over halfway through the migrations. Expect to complete in November.
Wireless Upgrade

• FY15 Objective
  – Upgrade the controller hardware
  – Upgrade the software
  – Split Academic and Healthcare wireless

• First attempted over spring break
  – Unsuccessful because of software bug

• Second attempt happened Tuesday
  – So far so good, but we continue to monitor
Border Upgrade

• Background – Fall 2014
  – Route capacity increased to maximum
  – NAT capacity increased to maximum
  – IPS capacity increased to maximum

• Summer 2015
  – Replacing existing NAT solution – 7/18
    • Increases capacity from 400K translations to 1M translations
  – Replacing existing IPS units – week of 7/27
    • Increases throughput from 5G to 10G with an option to increase to 20G
  – Upgrade commercial Internet service providers from 1G to 10G – before 8/17
Border Diagram

Before

ISP1
   |
   v
   eBdr
      |
      v
      NAT

ISP2
   |
   v
   eBdr
      |
      v
      NAT

Public Peering
   |
   v
I2

IPS
   |
   v
   iBdr

FW

Emory Internal Networks

After

ISP1
   |
   v
   eBdr
      |
      v
      NAT

IPS
   |
   v
   iBdr

NAT
   |
   v
   iBdr

FW

Emory Internal Networks

IPS
   |
   v
   iBdr

FW

Public Peering
   |
   v
I2

IPS
   |
   v
   iBdr

FW
Thank you

• For your patience during these upgrades and changes
• For migrating to the new Trusted Storage and Isilon storage
• For helping to isolate a series of recent network issues to a particular network card and older firmware version
Questions
PGP Decommission

• The existing PGP full disk encryption service is being retired on **September 1**
• All PGP encrypted systems must be transitioned to MBAM or FileVault (with our management tool) by that date
• A lot of progress has been made but September is **coming quickly**
• Your IT Director should have a list of remaining PGP systems
MBAM Adoption Rate

- PGP
- BitLocker
Filevault & Absolute Manage

• If you utilize Absolute Manage for managing your systems, you can now use it to manage Filevault rather than our management tool

• We do require that you allow us to pull data from your AM database

• For more details email securityteam-l@listserv.cc.emory.edu
Outbound DNS Filtering

• In August we will begin blocking outbound DNS requests except from identified DNS servers and resolvers
• DNS is now used frequently as a data exfiltration and command and control channel
• We will still allow outbound DNS requests to Google DNS and OpenDNS from all systems
• Please review the list we’ve provided to ensure that none of your systems will be impacted
• Ensure that clients are configured to point to central Emory DNS servers
Outbound DNS Filtering

- Implementation dates (subject to CAB approval)
  - Resnet: August 4
  - Academic: August 6
  - Admin Core: August 11
  - DMZ: August 13
Flash and Java Updates

• There have been three critical 0-day exploits patched by Adobe in the last week
• Oracle released a patch for a 0-day affecting Java as well
• Current Flash version: 18.0.0.209
• Current Java version: 1.8u51
• Please upgrade your clients as soon as possible
• Remove or disable Java and Flash where they aren’t absolutely required
Security Update

Questions
Thank you for coming!