IT Briefing Agenda

• Voice and Wireless Upgrade
• MIN Update
• Blackboard Upgrade
• Network Access Control
• Security Update

• Mike Politinsky
• Stan Brooks
• Alan Cattier
• Alan White
• Derek Spransy
Mike Politinsky
Manager, Network Engineering, Infrastructure
PBS/Voice Switch Upgrade
The Particulars

• When
  – Tonight, May 16 2013 beginning at 5 PM EDT, with upgrade to occur at 10 PM

• Impact
  – At roughly 10 PM, all phones will re-register and conversations will be interrupted until voice services have been restarted

• What do I need to do?
  – Nothing, the system upon restart will establish connectivity so that your telephones will operate as they do today
Service & Feature Enhancements
What’s New

• **Location Field** - added to station administration form, this can be leveraged to better track users if they inform UTS of changes in their work location

• **Licensing Tool** update - geek heaven as we will be able to move licensing more actively than in the past

• **QSIG over SIP** - easier administration using protocols and programming that are more familiar to the administration team

• **Native IPv6**
How it fits together and what to expect
Migration of Wireless to New Core Routers

TODO = Get IN DNS 
& Auth Preconfigured

1. Move APs from Core 1,2 to Temp 1,2, and core 3
2. Move core 3 to new core (WS)
3. Move APs from Temp 1 to new core
4. Distribute old cores as new core
5. Backup core 1,2
6. Move APs from Core 3,4,5 to Temp 1,2
7. Move core 1,2 to new core (WS)
8. Move APs from Temp 1 to new core
9. Move core 1,2 to new core (WS)
10. Move old core to new core
11. Reconfigure backup controller for devices on old AP
12. Move APs from Temp 1 to new core
13. Move APs from 10.8.5 to new core
14. Move APs from 10.8.4, 10.8.3 to Temp 1,2
15. Move core 3,4,5 to new core
16. Reconfigure backup to WS
17. Move APs from Temp 1 to new core

Moving core to new core as controlled with John
Central PEs - MS
TP-Link - BS
Backup is renewed

This does not cover network harvesting...
Questions
Alan Cattier
Director, Academic Technology Services
Blackboard Upgrade
A Complete System Downtime

- Blackboard will be unavailable from 6 a.m. on June 15 to 6 a.m. on June 16
- During this interval, all aspects of the Blackboard system will be unavailable
- When the system comes back up, it will have been patched to Service Pack 11
What Are We Getting Out of the Upgrade?

• A totally new look:
With a Totally New Navigational Paradigm

- **Global Navigation Menu:**

![Global Navigation Menu](image-url)
New Navigation Allows Targeted Access

- Courses, Settings
- Profiles, Posts, People
- Updates
- My Grades
- My Calendar
- My Blackboard
A New Focus on Profiles

Edit My Blackboard Profile

* indicates a required field.

Picture

How do you want your name displayed in your profile?

Alan Cattier

What are you studying?
Emerging Trends in Online Community

What would you like to share about yourself?
I have been studying Online Community for twenty years and have seen it move from the fringes of society on The Well to mainstream communication and community function in my local area.

Privacy Options
Anyone in your courses can view your profile card within the course (unless your status is Hidden). These privacy settings control who can search and browse for you on the People page.

- My Institution (recommended)
  I want to share my profile with others at my institution.

- Private
  I only want to share my profile with my classmates.

- Hidden
  I do not want to share my profile.

Contact Information

* Primary Email
Add an email address to verify your account. An email will be sent to this address for verification. We recommend using a personal email address that you will always have access to when you change schools or jobs.

Alan.Cattier@emory.edu

Not Verified

Submit
A Finished Profile

Search for Internships & Jobs in Blackboard! View

Internships, student and entry level jobs are now available inside your Blackboard! Access them directly from a search widget on your My Institution page. You can also build your resume, assess your skills and apply for any position from a new "My Career" tab found at the top of every page in Blackboard. This is made possible through an integration with Internships.com, the world’s largest internship marketplace.
Which Prepares The Way for BB Social

• Users at Emory can connect with users at other institutions
• Users can create “Spaces” where they can host online meetings
• Users can “follow” and/or message users across institutions
• Blackboard Social will NOT be enabled on June 16, though any user will be able to construct a profile that can be used within Emory’s Blackboard instance at that time
Other Cool New Features

• Retention Center gives Faculty and Advisors, if they are set up, a window into a student’s online activity (or a lack, thereof)
• Improved Discussion Boards which are accessible in the new navigation structure
• Enterprise Surveys
• Video Everywhere, which allows any user with a YouTube profile to record and embed a video response into the Blackboard system
• A new content editor that vastly improves the text handling capabilities of Blackboard, including pasting from Word documents
A Lot of New Stuff…

• Which people have been clamoring for for a while!
• The beginnings of a community architecture
• Lots of opportunities for training with special sessions coordinated by the ECIT team
• Online video resources to complement the introduction of the new product
• And the always excellent team powering Emory’s Blackboard
Blackboard Upgrade

Questions
Network Access Control

Alan White
Communications Architect II, UTS Architecture
What is NAC

• NAC: Network Access Control
• Unregistered devices redirected to web portal
• Posture checks for Windows and Mac
• Place devices in the correct core
• Similar to NetReg/CAT
Project To Replace NetReg/CAT

• Limited functionality with NetReg/CAT
• CAT is being discontinued
• Need an enterprise capable solution

• POC: Aruba, Bradford, and PacketFence
• Bradford chosen – best client experience
When and Where?

• Initial implementation for ResNet wireless on May 15
• Goal to implement on EmoryUnplugged over the summer
• Future implementation on wired networks
• Future implementation on other wireless networks
The Client Experience

Welcome to Emory University
Please wait while your computer is redirected to the appropriate registration page.

If you need assistance, please contact the Service Desk. Atlanta campus: 404-727-7777, Oxford campus: 770-784-4685.
The Client Experience
Authentication

Network Access Control

User Registration

Each user is required to verify that their computer will meet the established network policies prior to connecting to the network.

When you have filled out the fields below, you will be prompted to download and run the network access agent that will verify that your computer will meet these policies:

- Computer is up-to-date with all Service Packs and security updates
- Automatic updates are enabled
- Computer's firewall enabled
- Emory approved Anti-Virus software installed

This process will take a few minutes. Do not interrupt this process while it is running. Depending on your computer's security preferences, you may have to follow additional prompts to run this tool. Please enter your NetID & password below, then click the Continue button.

Instructions

Username
Password

Continue

If you need assistance, please contact the Service Desk. Atlanta campus: 404-727-7777, Oxford campus: 770-784-4685.
Persistent and Dissolvable Agent
Scanning
Scan Passed – Full Access Granted
Scan Failed

Message - Bradford Persistent Agent

Failed to meet policy requirements.

Your PC will be moved to the quarantine network.

A Web page will be opened to display the details of the failures.

Please wait.

Wed May 8 13:21:02 2013

Close
Failed Scan

1. Anti-Virus :: Symantec I AntiVirus

If you need assistance, please contact the Help Desk.
Common Problems

- Hard coded DNS
- Browser Cache
- Computer not compliant
Network Access Control

Questions
IT Security Update

Derek Spransy
Sr Information Security Specialist, Information Security

IT Security Update
Security Awareness

May:

• Information security travel tips
Security Update

Questions
Thank you for coming!