



EMORY
LIBRARIES &
INFORMATION
TECHNOLOGY

IT Briefing

February 20, 2014

North Decatur Building

4th Floor Auditorium

IT Briefing Agenda

- Office 365 Update
- NAC Update
- Security Update
- Jay Flanagan
- Alan White
- Derek Spransy



Jay Flanagan

Manager, Messaging Team, Infrastructure

Office 365 Update

O365 Moves



Archiving Update



Questions?





Alan White
Architecture and Security, Infrastructure
NAC Update

NAC

- NAC: Network Access Control
- Unregistered devices redirected to a web portal
- Posture checks for Windows and Mac
- Mobile devices are automatically registered
- Similar to NetReg/CAT

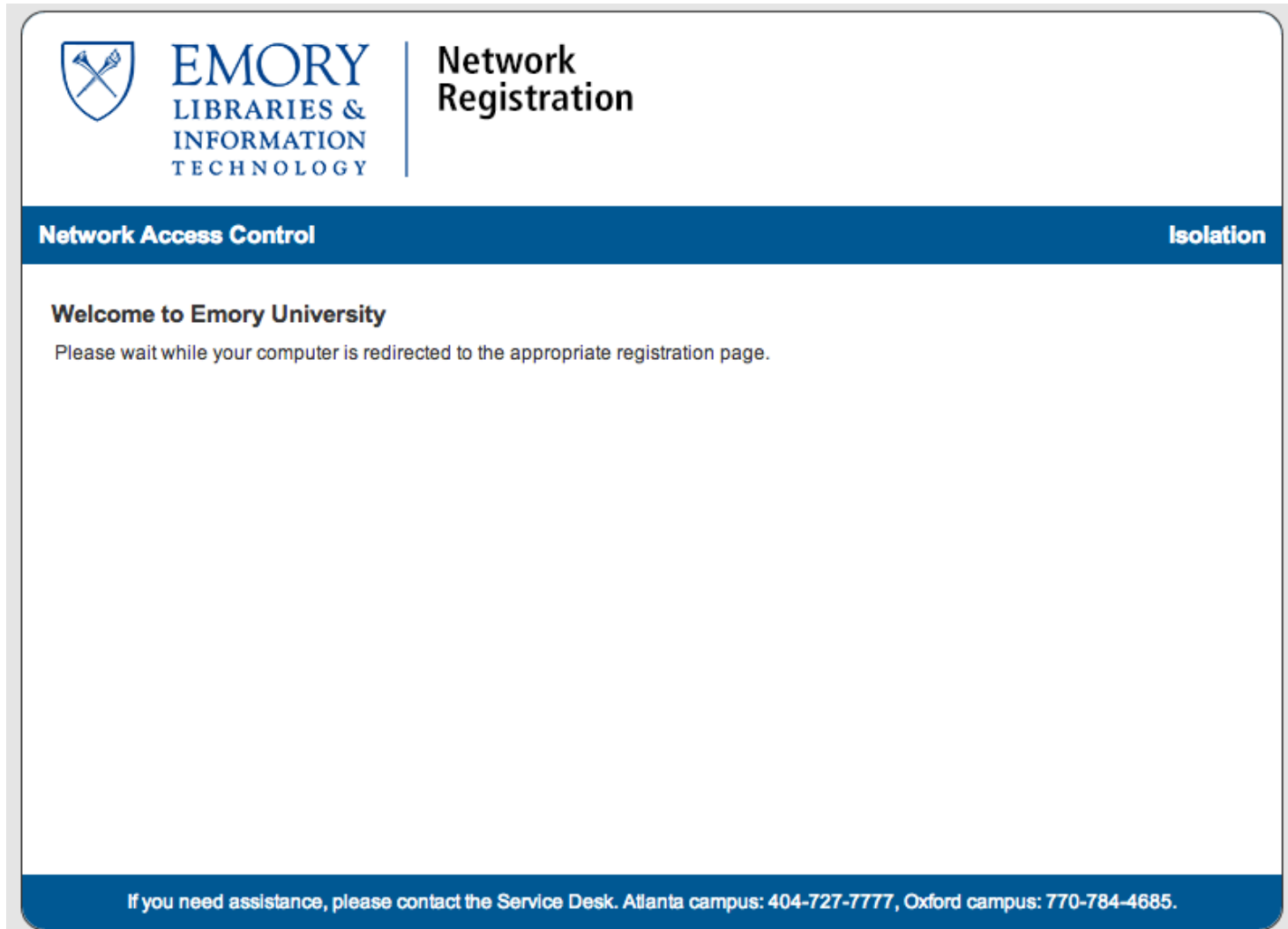
NAC – Where are we now?

- Initial ResNet rollout backed out due to a bug in Aruba code
- Aruba 6.1.3.10 fixed the bug
- Successful implementations (EmoryUnplugged):
 - 1762 OIT Space (10/15/13)
 - NDB (11/19/13)

NAC – Future Implementations

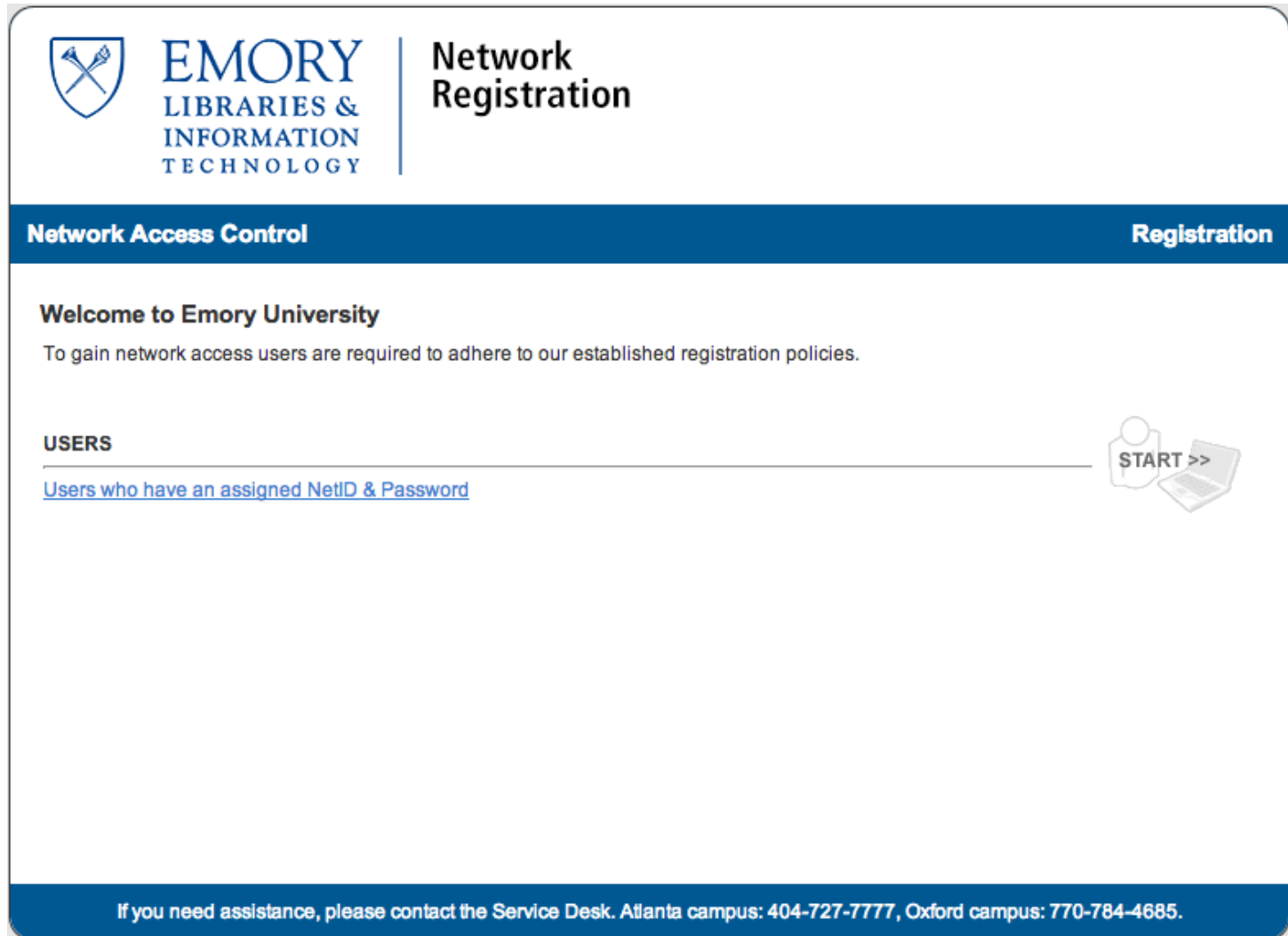
- WML EmoryUnplugged only (3/11/14)
- ResNet (~5/14/14)
- All of EmoryUnplugged
- Other wireless and wired networks

The Client Experience



The screenshot shows a web page for Emory University's Network Registration. At the top left is the Emory Libraries & Information Technology logo, which includes a shield with a cross and two crossed keys. To the right of the logo is the text "EMORY LIBRARIES & INFORMATION TECHNOLOGY". Further right is the title "Network Registration". Below this is a dark blue horizontal bar with "Network Access Control" on the left and "Isolation" on the right. The main content area has a heading "Welcome to Emory University" followed by the text "Please wait while your computer is redirected to the appropriate registration page." At the bottom of the page is a dark blue footer with the text "If you need assistance, please contact the Service Desk. Atlanta campus: 404-727-7777, Oxford campus: 770-784-4685."

The Client Experience



The screenshot shows the Emory University Network Registration page. At the top left is the Emory Libraries & Information Technology logo. To its right is the page title "Network Registration". Below the logo and title is a dark blue navigation bar with "Network Access Control" on the left and "Registration" on the right. The main content area starts with a "Welcome to Emory University" heading, followed by a paragraph stating that users must adhere to registration policies. Under the heading "USERS", there is a link for "Users who have an assigned NetID & Password". To the right of this link is a "START >>" button with an icon of a person and a laptop. At the bottom of the page is a dark blue footer bar with contact information for the Service Desk at Atlanta and Oxford campuses.

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Network Registration

Network Access Control **Registration**

Welcome to Emory University

To gain network access users are required to adhere to our established registration policies.

USERS

[Users who have an assigned NetID & Password](#)

START >>

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

The Client Experience



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Network Registration

Network Access Control

Registration

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.

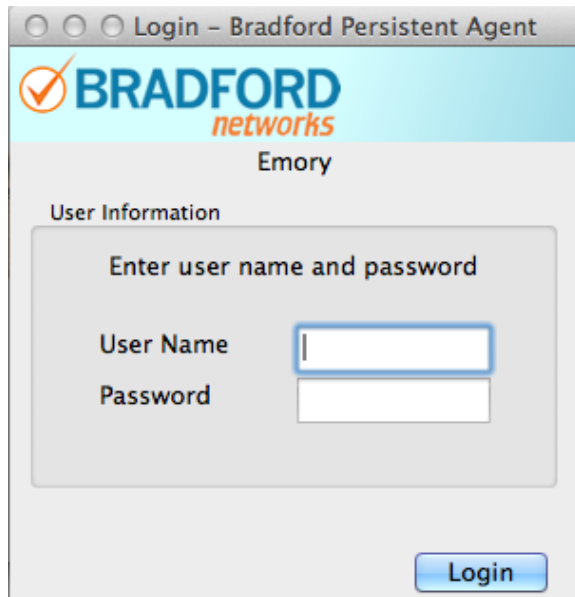
[i Instructions](#)

Username	<input type="text"/>
Password	<input type="password"/>
	<input type="button" value="Continue"/>

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

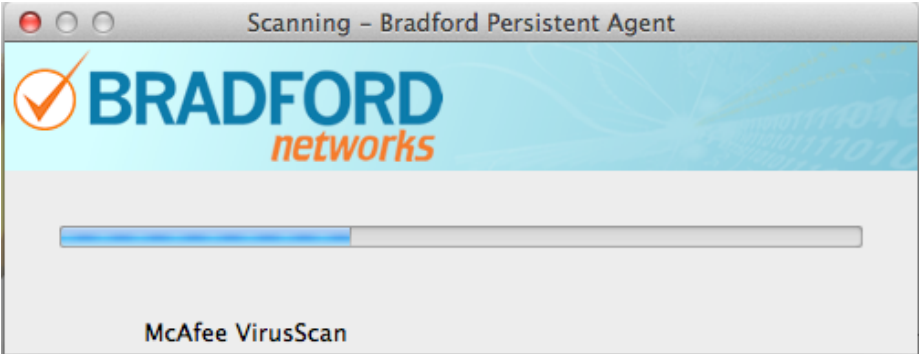
13

Persistent Agent

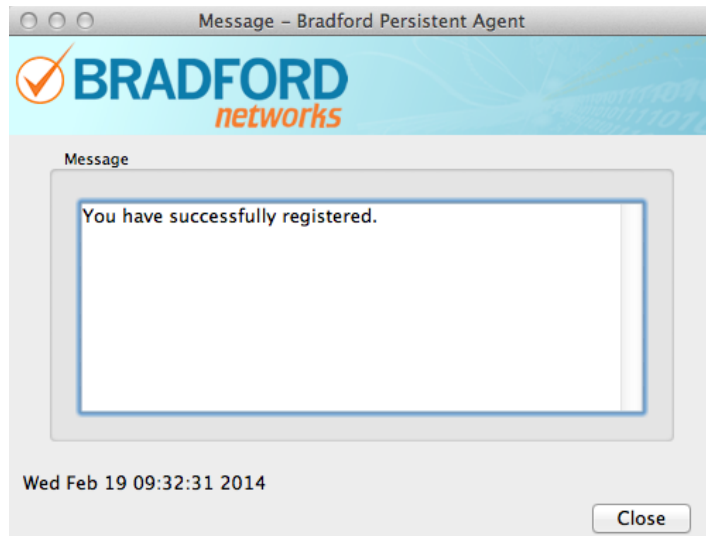


The image shows a login window titled "Login - Bradford Persistent Agent". At the top left is the Bradford Networks logo, which consists of a checkmark inside a circle followed by the text "BRADFORD networks". Below the logo, the word "Emory" is displayed. Underneath "Emory" is the heading "User Information". A light gray box contains the instruction "Enter user name and password". Below this instruction are two input fields: "User Name" with a text box and "Password" with a text box. At the bottom right of the window is a blue "Login" button.

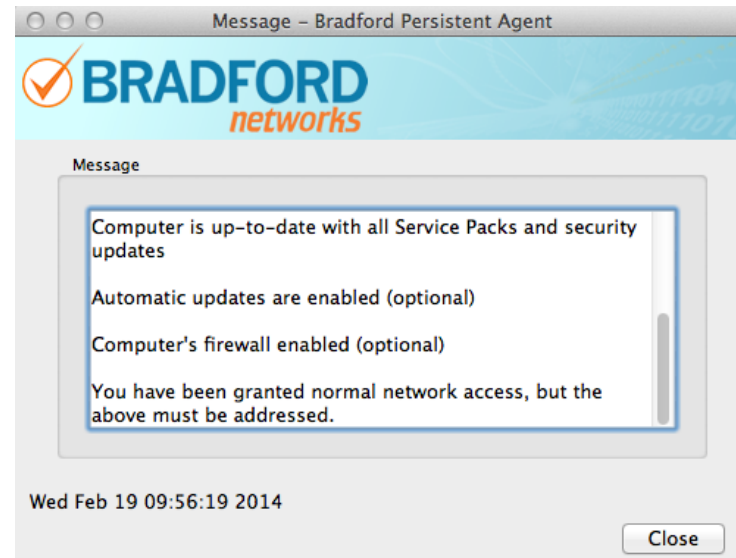
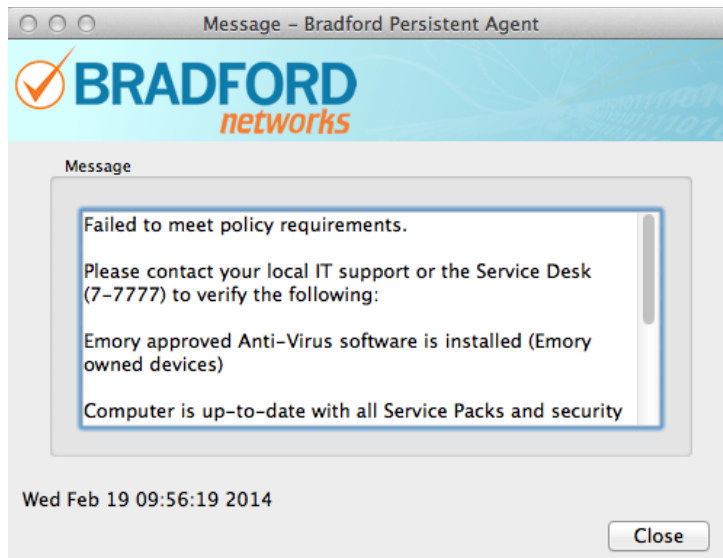
Scanning



Passed Scan



Failed Scan



Mobile Devices

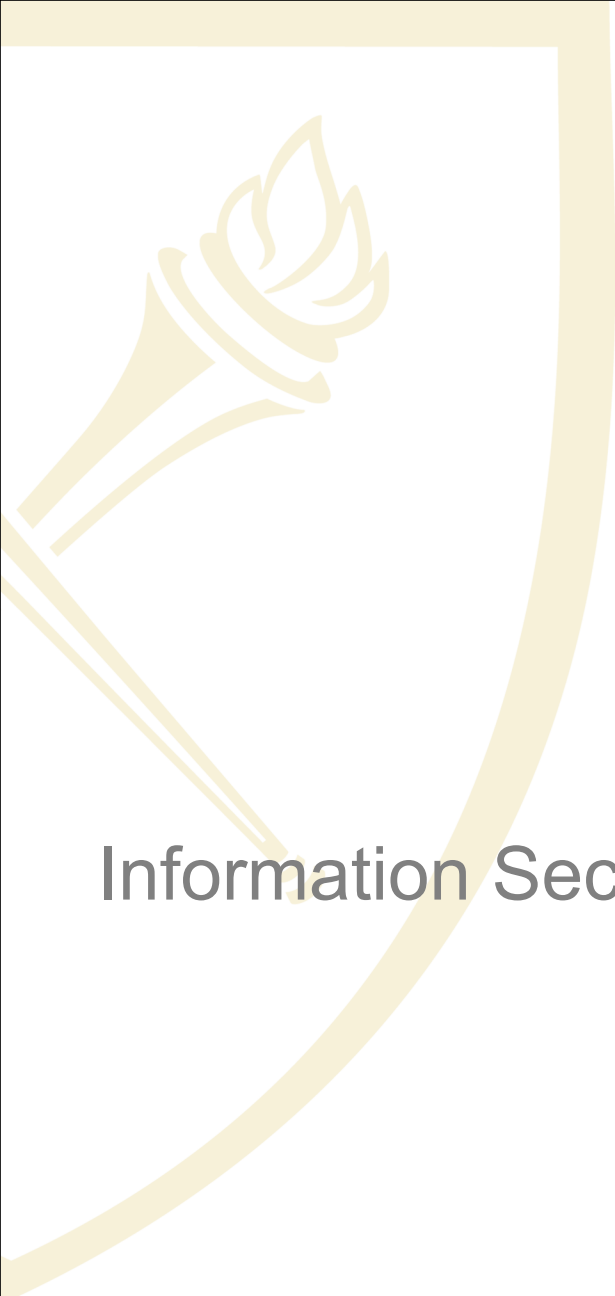
- Automatically registered
- No agent required

Common Problems

- Hard coded DNS
- Browser Cache
- Computer not compliant

Questions





Derek Spransy
Information Security Specialist, Enterprise Security

Security Update

Bitlocker Project

- A project is underway to evaluate replacing PGP with Bitlocker and MBAM.
- The expanded PoC is now in progress.
- We expect to wrap up PoC testing in mid-March, and make a decision about moving forward with MBAM/BitLocker

MIR Deployment

- MIR is a platform for detecting and responding to advanced threats
- MIR was used during our July-September 2013 incident
- Emory has acquired our own MIR instance
- Existing agents will automatically check-in with our MIR implementation



MIR Deployment

- We ask that everyone continue to deploy the MIR agent on new and existing systems
- There is a new version of the agent that we'll make available shortly
- Note that MIR cannot be deployed as part of an image without taking special steps

Security Update



Questions

Thank you for coming!

*Thank
You*