DUO Multi-Factor Authentication

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Why Are We Doing This?

- [1]Every Minute, $17,700 is lost due to phishing attacks
- [1]1.5 million new phishing sites are launched every month
- [1]Phishing attacks form more than 80% of reported cyber attacks
- [1]Seven out of ten types of malware are associated with ransomware
- [1]94% of malware attacks occur through email & phishing
- [2]Over 42% of *Serious* Incidents started with stolen passwords
- [3]Education sector hit hard in 2020, with 44% hit with ransomware

[1]From the 2021 "Cybersecurity Statistics & Data Trends" report - RedefinePrivacy
[2]From the FireEye "M-Trends Report 2021"
[3]From Sophos "The State of Ransomware in Education 2021"

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What is Multi-Factor Authentication

How do we know who you are?
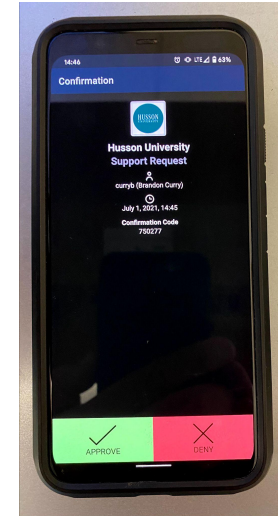Your network account - Username & Password
That is not enough.
What if your password is stolen?

We need to use a second *Different* Factor

Something You:
- Know - Your password
- Have - Your smartphone
- Are - Biometrics

This Is Not New!

Why Now?

- University of California, San Francisco
- University of Utah
- University of Colorado
- Michigan State University
- Baltimore County Public Schools
- Broward County Public Schools

- Colonial Pipeline
- Ireland Health
- BlackBaud
- SolarWinds
- JBS Foods

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Why Now?

- 20% increase in ransomware year-over-year 2019-2020
- Recommended by the Federal Government
- Mandated by our Cyber-Insurance provider

MULTI FACTOR AUTHENTICATION ATTESTATION

1. Multi-Factor authentication is required for all employees when accessing e-mail through a website or cloud based service.

2. Multi-factor authentication is required for all remote access to the network provided to employees, contractors, and 3rd party service providers.

3. In addition to remote access, multi-factor authentication is required for the following, including such access provided to 3rd party service providers:

   All internal & remote admin access to directory services (active directory, LDAP, etc.).
   All internal & remote admin access to network backup environments.
   All internal & remote admin access to network infrastructure (firewalls, routers, switches, etc.).
   All internal & remote admin access to the organization's endpoints/servers.

4. The signer of this form has done so with the assistance of the person in charge of IT security.

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How Does This Work?

- IT Department coordinates your enrollment to DUO
- You get an email with your **_unique_** link to enroll a phone, tablet, or other device.
  - DO NOT FORWARD YOUR ENROLLMENT EMAIL
- After you enroll, your account is secured with Multi-Factor Authentication
- Going forward HU Logins will require DUO MFA:
  - Adobe, Exxat, Hive, Slate, Vena, Cisco AnyConnect, Google (July 22)
  - And more to come on board as we move forward

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Enrollment Email Example

Hello,

Husson University is now rolling out Duo Security, a friendly and secure way for you to log into your applications. We have invited you to set up your account for Duo so you can start logging in.

To begin, click this link to enroll a phone, tablet, or other device:

<enrollment-link>

Duo Security is a two-factor authentication service that strives to be easy to use and secure. To learn more about Duo authentication, visit the guide here:
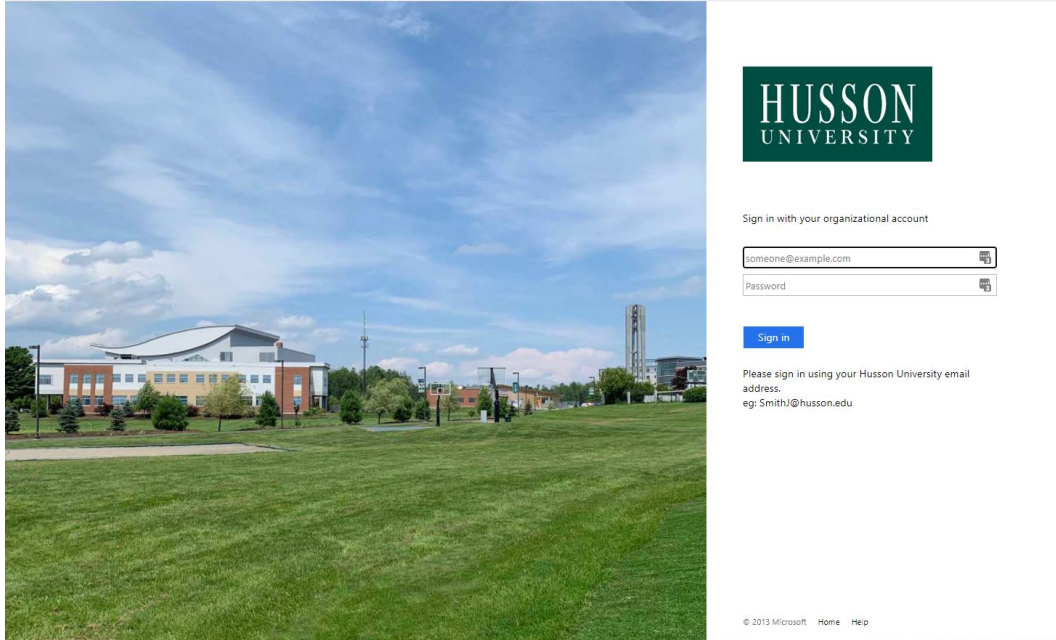
<guide-link>

If you have any questions, please contact the Help Desk at 973.1000

How Will I Log Into Things?

One consistent login page

Second Factor

Welcome HUSSON_C\BartonF

For security reasons, we require additional information to verify your account

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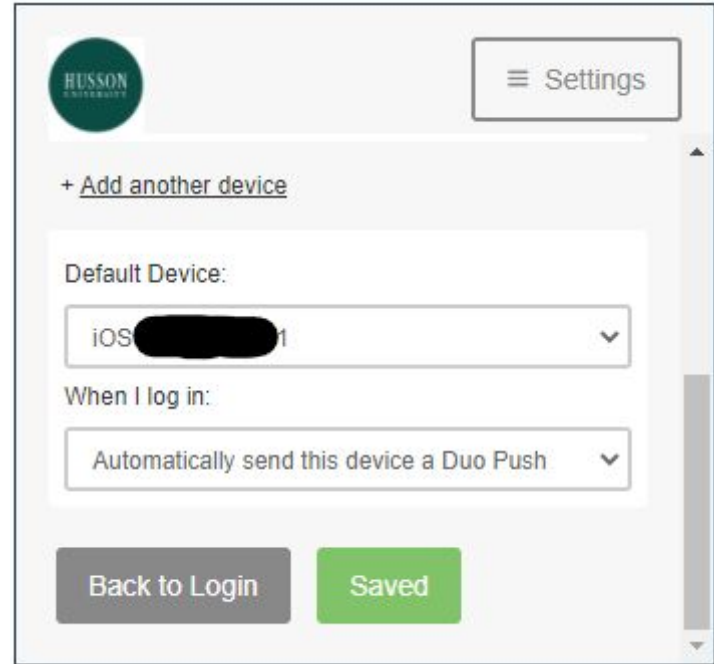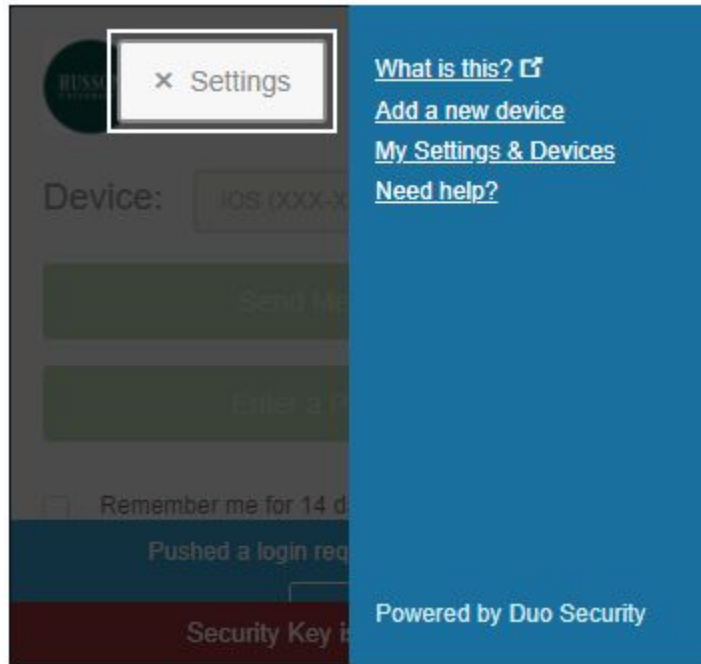≡ Settings

Device: iOS (XXX-XXX-2181)

Send Me a Push

Enter a Passcode

☐ Remember me for 14 days

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Settings to Make Life Easier!

Additional Notes

- Enroll a second device as a backup
- Backup Passcode from the app
- VPN Process is different
  - Log in with your username and password
  - Automatic push to your device for approval
  - No indication on the laptop screen
- Standard Behaviors VS When to be concerned
- KnowB4 Phish Hook

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September 1, 2021

100% Employee enrollment for cyber-insurance

Including Student Employees

Timeline - How Do We Meet The Goal?

- **November, 2019** - IT starts testing DUO, and using it to protect servers & privileged accounts
- **December, 2020** - Finance starts using DUO with the VENA budgeting platform
- **June 1, 2021** - Travelers Insurance notified Husson of the MFA Mandate
- **June 24, 2021** - President Clark notified campus of "New Login Security Process for All Users"
- **July 1, 2021** - DUO licenses for all employees purchased
- **July 7, 2021** - First groups outside IT & Finance enrolled in DUO
- **July 22, 2021** - Login process for Google changes to include Multi-Factor Authentication

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Timeline - How Do We Meet The Goal?

- **August 13, 2021** - Anticipated Login process change for ADP, CourseLeaf, and Canvas
- **August 18, 2021** - All employees will be enrolled automatically
- **September 1, 2021 -**
  - **Mandatory Compliance per Cyber-Insurance**

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Demonstration:
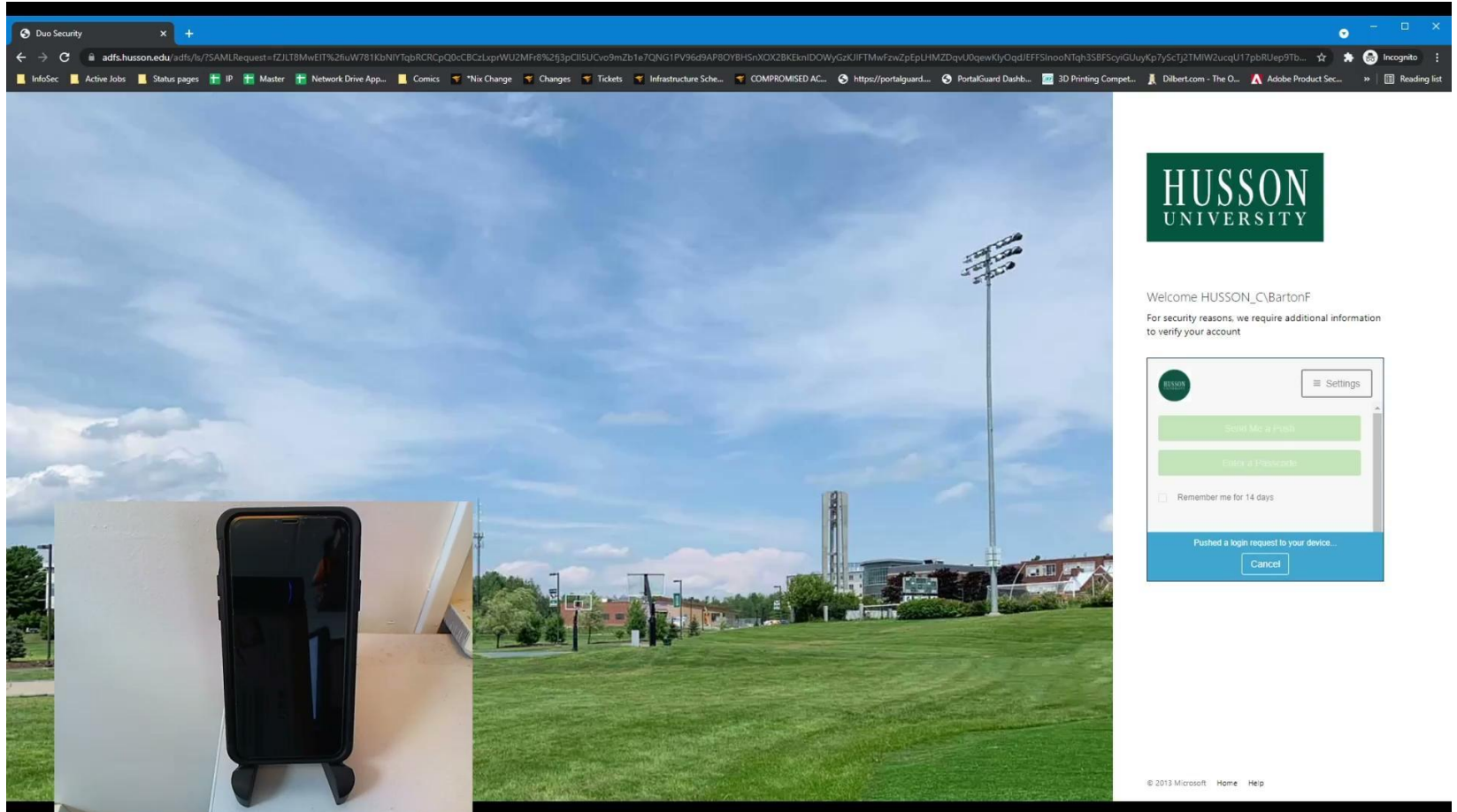
Questions

Thank you!

- We appreciate your time and attention to today's presentation
- Your continued diligence to the safety of Husson's digital landscape is a **Team** effort
- We greatly appreciate your continued efforts protecting Husson's resources
- As always please direct any questions or concerns on these efforts to the IT HelpDesk at 207-973-1000