The 2-Factor Advantage

HR Connections
November 14, 2016

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Innocent Enough

Hello

I've Shared a secure file Document attached with Google icon

Regards

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How It Works - Get the 2-factor Code

- **Google 2-Step**
  - Text Messages
  - Google Authenticator App via Smart Device
  - Google App via Smart Device (push)
  - USB Security Key (~$9.00 per device)
  - Backup Codes
  - Can remember a device for 30 days

- **Duo via Shibboleth**
  - Text Messages
  - Duo Authenticator App via Smart Device (code & push)
  - USB Security Key (~$9.00 per device)
  - Can remember a device for 30 days (configurable)
Without 2-Step/2-factor

- S&C disables an average of 150 compromised accounts per month.

- A phisher’s access to other services are a concern, but difficult to verify.
  - A password in Google will also allow access to the MyPack Portal and other Shibboleth-protected services.

- A phisher with access to the MyPack Portal can obtain a user’s:
  - Pay stub,
  - IRS W-2 information with access to SSN
  - And other sensitive data!

- Currently, users are unable to make changes to certain personal financial data (e.g., direct deposit account) via the Portal until there is better security.
Implementing 2-factor Solutions
1-Phish, 2-Step

- Is currently implemented.
- A user who has fallen victim to one phishing attempt is disabled.
- Google 2-Step Verification is enforced and must be enabled for user before account is re-activated.

Protect your Google Apps account
GO.NCSU.EDU/2-STEP
Mandatory Google 2-Step

- **Note:** [Google 2-step](#) is available for anyone to enable and we encourage implementation at any time

  - **Phase 1**
  Users with access to *Purple Data* in Peoplesoft and other critical systems (e.g., HR, R&R, Admissions, Financial Aid, identified merchants, CED, etc.)
  - ~350 users by July 31, 2016

  - **Phase 2**
  Users with access to *Purple Data* outside of Peoplesoft (Athletics, DASA: ASPSA, DSO, Counseling Center, Student Health, Student Legal, OSC; Campus Police, Internal Audit, ESMMWL, OGC, Transportation, Chancellor’s Office, Chancellor’s Cabinet & their Exec Assistants)
  - ~800 users by October 31, 2016

- Campus IT Staff by December 1, 2017
- New Employees: Working with Onboarding Center

**Target Dates:** Employees by 10/31/2017 (Phased Approach) - Students by 12/31/2017
Mandatory 2-Factor for Shibboleth

- Uses Duo 2-factor solution
- Beta Test completed
- Pilot Testing completed in September 2016
  - Approx. 160 employees enrolled
- Self Enrollment available soon
- New Employees - Working with Onboarding Center
- Mandatory for:
  - Campus IT Staff by December 1, 2016
  - Users with access to purple data (G2SV Phase 1-2) by Feb 2017
  - Faculty and Staff by October 31, 2017 (Phased Approach)
  - Students by December 31, 2017
Training

- **OIT offers:**
  - Monthly training sessions for students and employees
  - Custom training opportunities for campus units.
  - Train-the-trainer-sessions
Implementation Discussions

- Rollout to all new employees - partnering with Onboarding Center
  - Employees without phones will need a security key.
  - Employees who don’t want to use their personal phones will need a security key.
  - Testing the best solution for employees sharing one computer - may need security keys, potential issues with remember device feature.

- Discussing population of employees that may need to be exempt

- Security keys will be purchased by the department.
  - Available for purchase at Bookstore - $9.00 per device.
To enroll:
1. Connect to “ncsu” or “ncsu-guest” wireless
2. Browse to: go.ncsu.edu/eduroam
3. Follow prompts to install on your device
Save the date!
go.ncsu.edu/5YearsofGoogle

November 30, 2016
12:30 p.m. to 4 p.m.
Talley Student Union