The information provided here is for informational and educational purposes and current as of the date of publication. The information is not a substitute for legal advice and does not necessarily reflect the opinion or policy position of the Municipal Association of South Carolina. Consult your attorney for advice concerning specific situations.









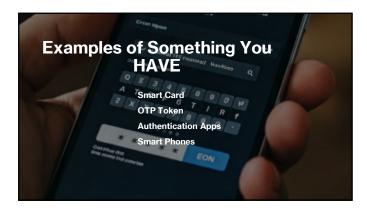








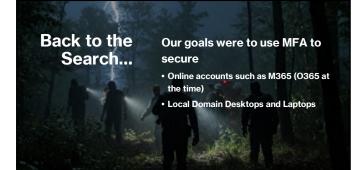




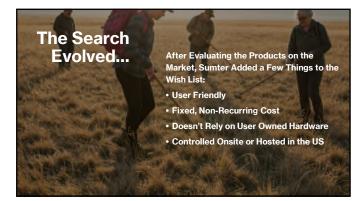














And We Found It!!

Two Technologies in One, Solving Both Online and Local Login Requirements Easy to Deploy and Maintain (Once the Infrastructure is Built) One-Time Fixed Cost Phishing-Resistant / User-Proof Controlled by the IT Department

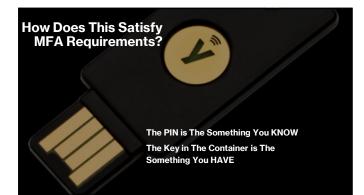




...and How Does It Work?

The YubiKey Securely Stores Keys Keys Cannot be Exported or Copied, But They Can be Used Using the Keys Requires Knowing an 8-digit PIN A Touch Sensor Verifies that Requests Come from Someone with Physical Access to the YubiKey Multiple Incorrect PIN Attempts will Lock the YubiKey, Requiring a Reset

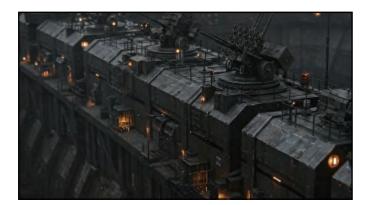








Dictionary and Brute Force Attack Proof



Like REALLY Secure?

- An Attacker Would Need the YubiKey AND the 8-digit
 PIN
- Meets CJIS Requirements for MFA



How difficult is this to set up?

- Not as Difficult as You'd Think
- Smart Cards Have Been Supported Since Windows 2000, But Less than
 15% of Organizations that Use Windows Have Implemented Them
- Setup Requires Windows Server and Certificate Knowledge
- You'll Probably Need to Build and Configure a New CA Server
- If You're Interested in Trying It Yourself, I Wrote a Guide
- There Are Companies That Will Set Everything Up for You



And the user experience?

- They LOVE it!
- YubiKey Users Don't Have to Endure Regular Password Changes
- The YubiKey Goes on Their Key Ring and They Only Take It Out When They Need It to Log On





Enter the SLCGP

In September of 2023 We Heard About the SLCGP and Applied for a Grant Covering the YubiKey Hardware for Our Staff

SLCGP – State Local Cybersecurity Grant Program

- Funded by the Federal Government
- Available Directly to State and Territorial Governments
- Local Governments Are Considered Eligible Subrecipients That Can Receive Funding Through Their State Administrative Agencies
- Administered in South Carolina by SLED
- If awarded funds, you must participate in NCSR in coming year

SLCGP – State Local Cybersecurity Grant Program

- We Received Word our Grant Request was (pre-)Approved in June of 2024
- We Have Recently Completed our Purchase and are Wrapping Up
 our Deployment
- We are in the 'Requesting Reimbursement' phase



SLCGP – Process

- 1. Email rconnell@sled.sc.gov To Be Added to the Distribution List
- 2. When Notified, Complete and Return (pre-)Application
- 3. If Grant is Pre-Approved You'll Receive Written Correspondence that Will Need to be Signed and Returned
- 4. When the Signed Paperwork is Received by SLED You'll Be Introduced to your SLED Liaison and Receive Access to the SCDHS Website to Complete and Submit Actual Application

SLCGP – Process

- 5. Wait for Application Approval
- 6. Bid Process & Vendor Selection
- Vendor Selection Approval by SLED
 Purchase and Deploy
- 9. Send PO, Invoice, and Receipts to SCDHS to Close Out Project
- 10. Reimbursement ???



What Next??

- Use YubiKey+Microsoft365 Login for Apps
- GovPossible - Azure VPN
- Tyler New World ERP
- Certificate Authenticated Employee Wi-Fi
- RADIUS Authenticated VPNs (Netmotion, etc)
- Password-Less Environment





