Passwordless Workshop

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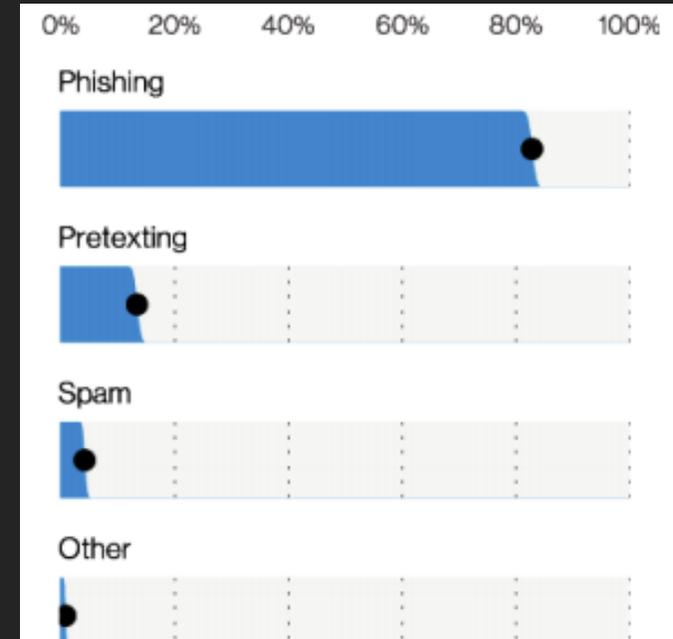
Best way to prevent password leaks is to go passwordless

Social Engineering
Data Compromised

- Credentials - 85%
- Personal - 17%
- Other - 9%
- Medical - 4%

Why passwordless?

- Passwords can be used **anywhere** by **anyone**
- Passwordless requires a **physical** proof of presence
- Reduce amount of password resets and service requests for password related problems

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Authentication security levels

Worst	Good		Better			Best		
Password-Only	Call	SMS	Push	TOTP	OATH Token	Authenticator app	Windows Hello	FIDO2 Key

Passwordless
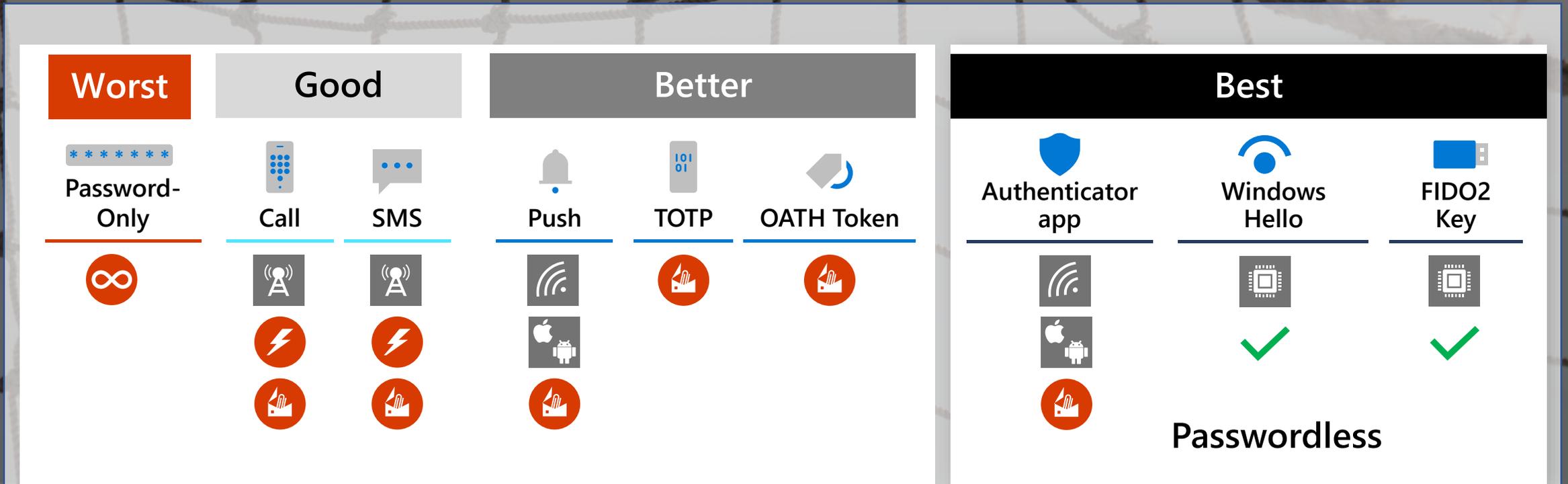
Legend:
- Dependencies
- Risks
- Phone Carrier
- Channel Jacking
- Wi-fi
- Real-time phishing
- Mobile OS notifications
- Hardware support required
- Only susceptible to hardware attacks

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Agenda

Pre-workshop call

1st day workshop [9-14]

- Passwordless theory
- Passwordless authentication options for Azure Cloud Only accounts
  - FIDO2
  - Windows Hello for Business
  - Microsoft Authenticator
- Identity management best practices
- Hands-on: Implement passwordless authentication proof of concept towards Azure Active Directory (cloud only)

2nd day in workshop (optional) [9-12]

- Passwordless in hybrid
- Hands-on: Implement passwordless authentication proof of concept towards Active Directory Domain Services (hybrid environment)
- Passwordless strategy

Closing call

- Documentation delivery
- Agree next steps towards production

Cloud Day

Hybrid Day

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For whom?

- Security team
- IT team
- Managers
- Technical persons

Pre-requirements for workshop day 1

- Azure AD Premium P1 or P2 license
- Internet Connection without restrictions
- Global administrator privileges for Azure AD
- Mobile device for testing purposes
  - Workshop participants' own devices or wiped test device
  - Currently Android and iOS supported

- Optionally
  - Wiped clean physical laptop for testing purposes (at least Windows 10 1903 or newer)

Cloud Day

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PRE-REQUIREMENTS FOR WORKSHOP DAY 2

- 2x Physical laptops joined to domain for testing purposes (Windows 10 2004 or newer)

- All Domain Controllers at least with Windows Server 2016 operating system with latest updates installed (KB4534307 required)

- Azure AD Connect (1.4.32.0 or newer) already provisioned to the environment

- Domain Admins privileges (or person with those privileges)

- Local administrative privileges to Azure AD Connect Server

- Windows 10 21H1 Group policy administrative templates in Group policy central store or authorization to upload those **or** if end devices managed with Microsoft Intune, Intune administrator privileges

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Deliverables

- Some FIDO2 keys for testing and production purposes
  - 20 pcs set of Yubikeys
- Ready environment for proof-of-concept testing
- Documentation of made configurations

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Pricing

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- Passwordless workshop for cloud
  - 1 day - 3750€
  - 10 Yubikey 5 NFCs
  - 10 Yubikey BIO FIDO-edition

- Passwordless for cloud and hybrid
  - 2 days - 4750€*
  - 10 Yubikey 5 NFCs
  - 10 Yubikey BIO FIDO-edition

*If all pre-requirements are filled and right people are present in the workshop (permissions). If full day is needed, total price is 5750€

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