Protect all users with MFA

Bsure recommended actions

bsure.
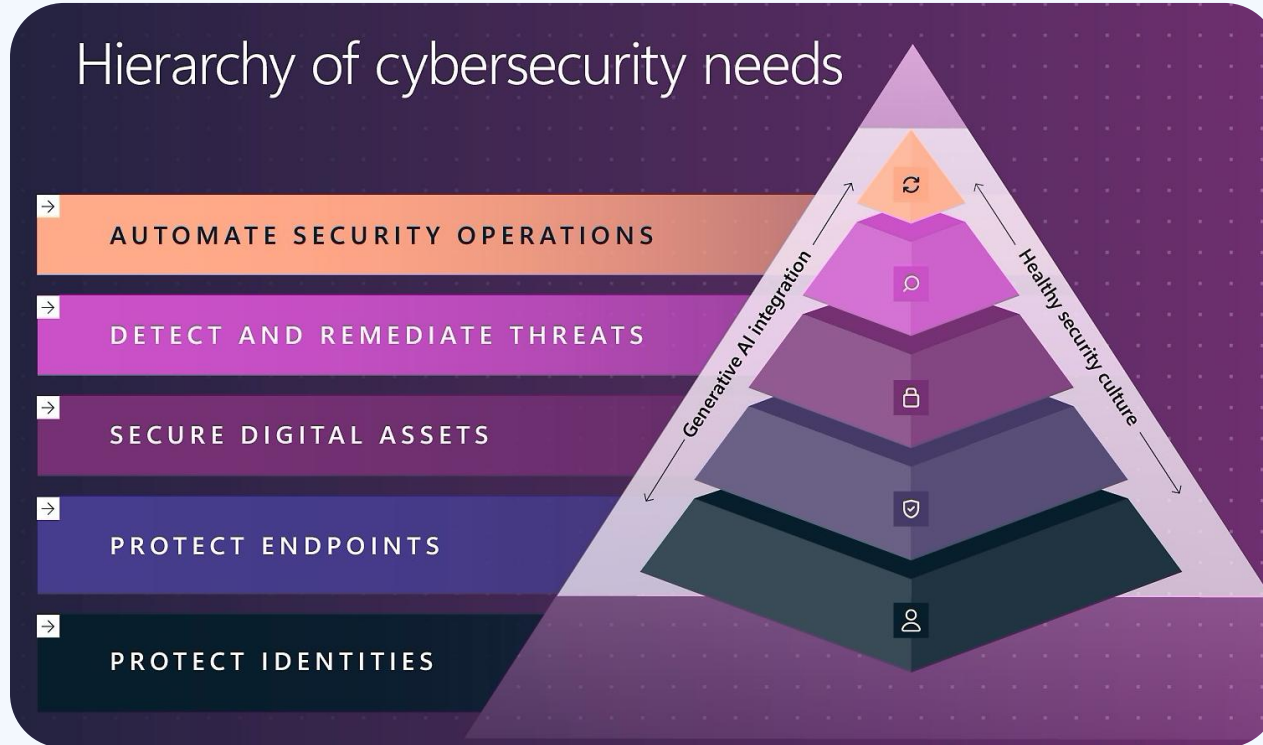
5 recommended actions

1. Review and clean-up privileged accounts

2. Remove inactive accounts and free up licenses

3. Protect ALL accounts with MFA, also the inactive ones

4. Review and clean-up overprivileged non-human identities (applications)

5. Activate SSO on all applications that supports it and scope access

https://docs.bsure.io/recommended-actions/

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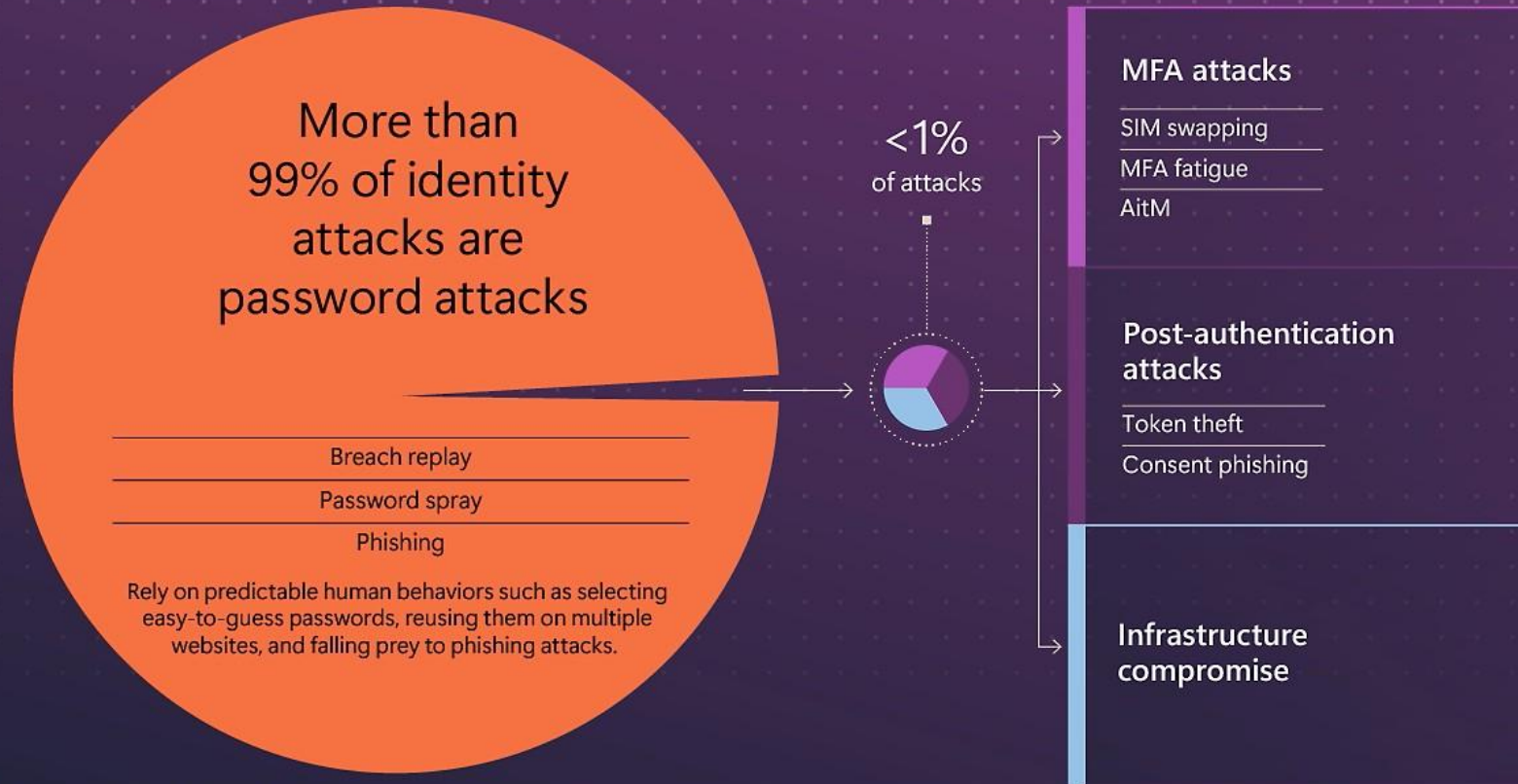
Protect identities

Hierarchy of cybersecurity needs

AUTOMATE SECURITY OPERATIONS

DETECT AND REMEDIATE THREATS

SECURE DIGITAL ASSETS

PROTECT ENDPOINTS

PROTECT IDENTITIES

Generative AI integration

Healthy security culture

"Attackers don't break in, they log in"

"Strong identity security can greatly reduce risk exposure – particularly for ransomware attacks"

*Microsoft Digital Defense Report 2024*

Attack perspective

Identity attacks in perspective: Password-based attacks continue to dominate, but can be thwarted by using strong authentication methods.

More than 99% of identity attacks are password attacks

Breach replay

Password spray

Phishing

Rely on predictable human behaviors such as selecting easy-to-guess passwords, reusing them on multiple websites, and falling prey to phishing attacks.

<1% of attacks

MFA attacks
SIM swapping
MFA fatigue
AitM

Post-authentication attacks
Token theft
Consent phishing

Infrastructure compromise

Source: Microsoft Threat Intelligence

Fix the basics

- Require MFA for ALL users
  - Allowed authentication methods
  - Phishing-resistant MFA for admins

- Clean up historical debt

- Protect registration of security information

- Automate TAP creation and onboarding flow
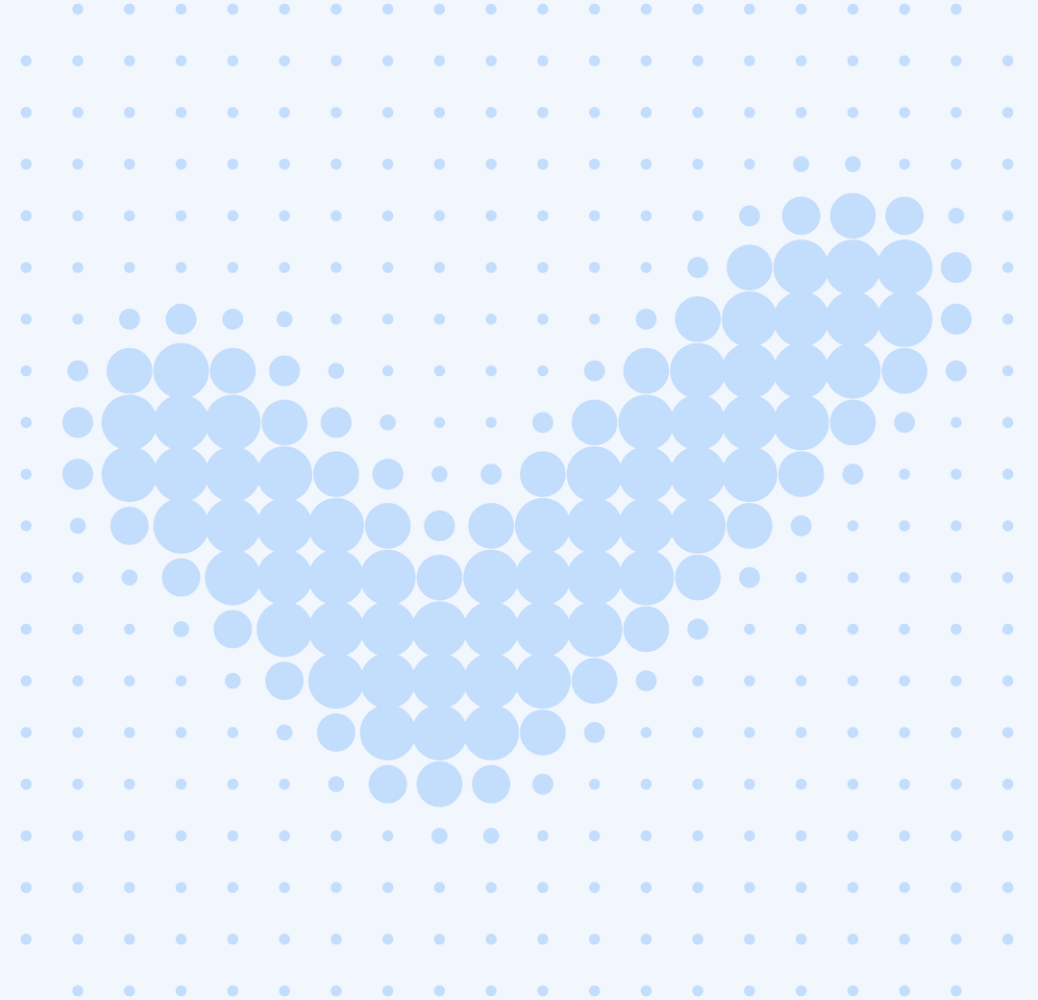
Authentication Methods

| Bad: Password	Good: Password and...	Better: Password and...	Best: Passwordless
123456	SMS	Authenticator (Push Notifications)	Authenticator (Phone Sign-in)
qwerty			Window Hello
password	Voice	Software Tokens OTP	
iloveyou			FIDO2 security key
Password1		Hardware Tokens OTP (Preview)	Certificates

Demo
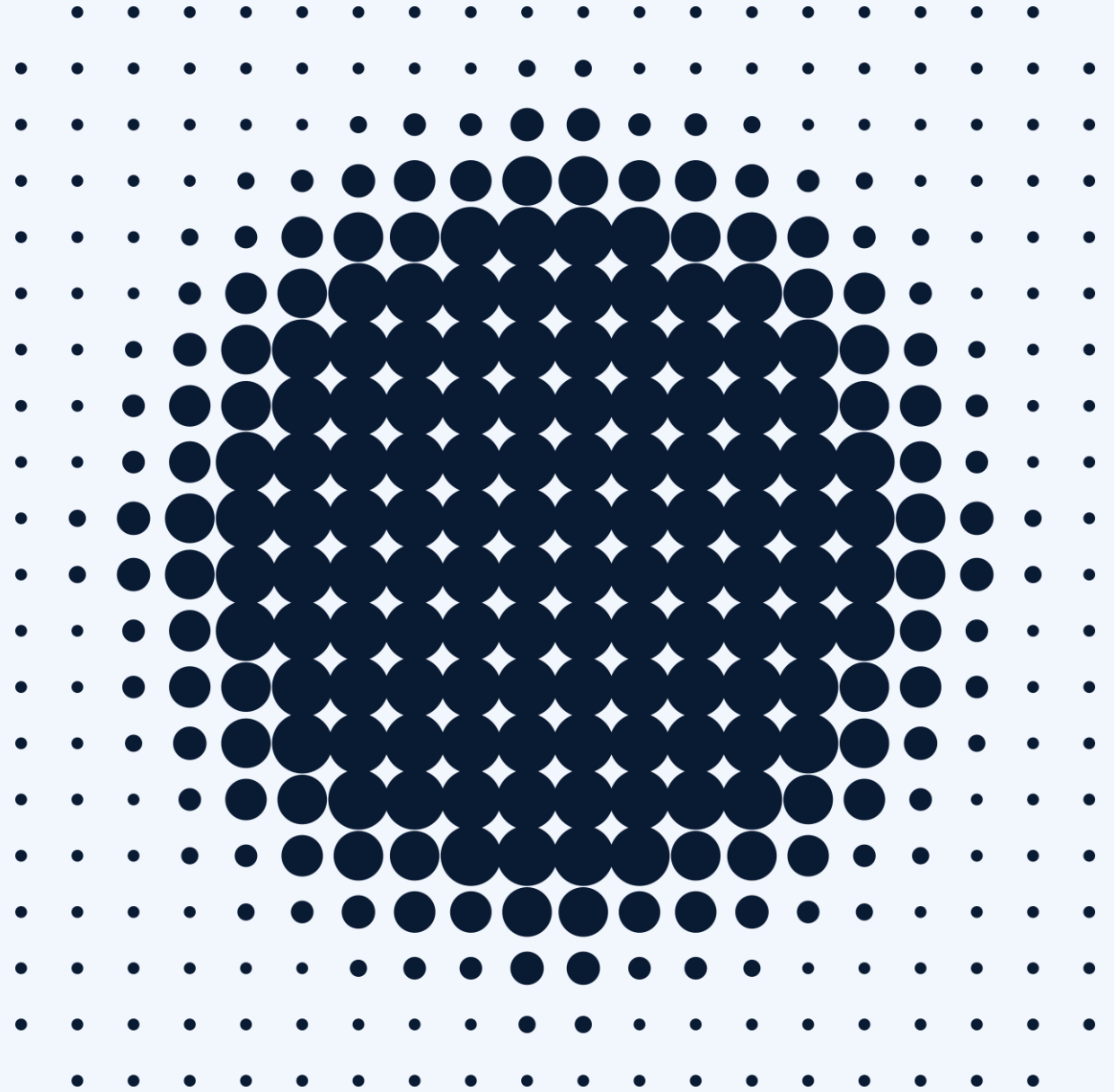
Key points

- Require MFA for ALL users
  - Scope exclusions to specific apps and ip's.

- No MFA registration with password only
  - Use TAP

- Clean up inactive users to reduce risk
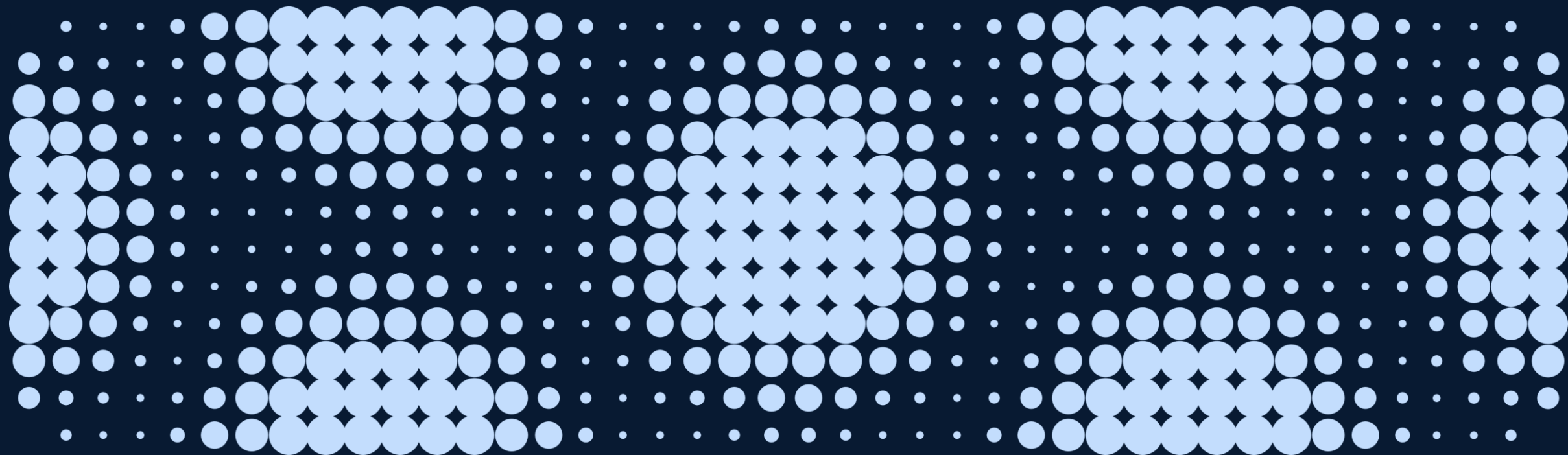
Questions?

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