Prove You Are You...In a Zero Trust World







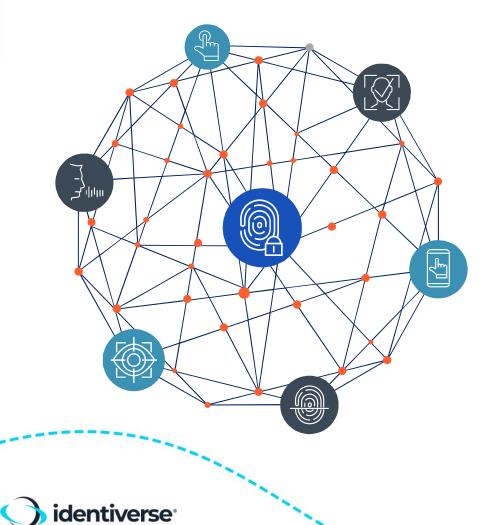
Len Noe

Technical Evangelist / Whitehat / BioHacker

CyberArk



Who Are You?



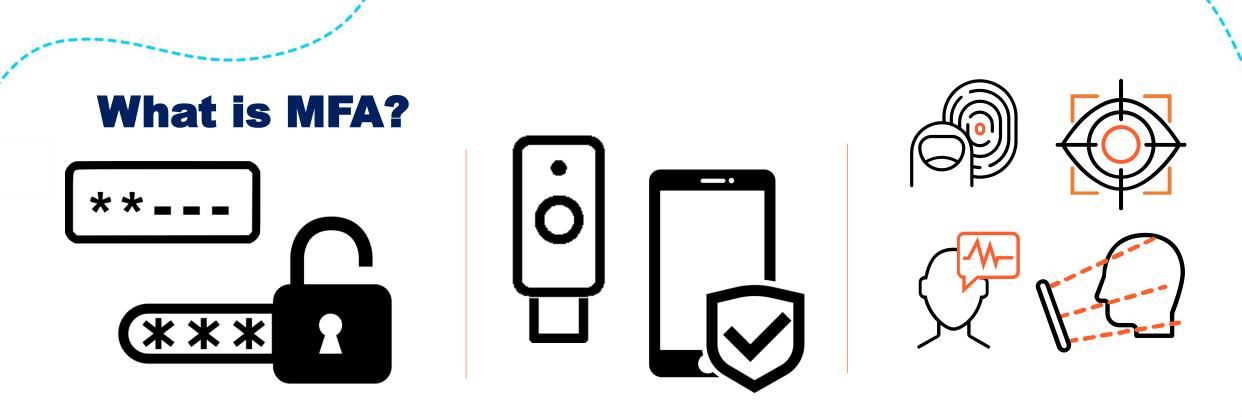
- How do you prove it?
 - Documentation
 - ID/Passport
 - Biometrics
 - Historical Data
- What State?
 - Physical
 - Digital

Zero Trust



- Validate The User
- Validate The Device
- Intelligently Limit Access





Something You Know

Something You Have

- Username
- Password/Passcode

- USB Key (Yubi, Piv, CAC)
- Mobile Device
- Implant.

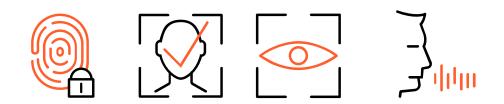
Something You Are

- Fingerprint
- Retinal / Iris Scan
- Facial Recognition

) identiverse

Biometrics

- Current Biometric Authentications
 - Fingerprints
 - Facial Recognition
 - Eye Scans
 - Voice Print







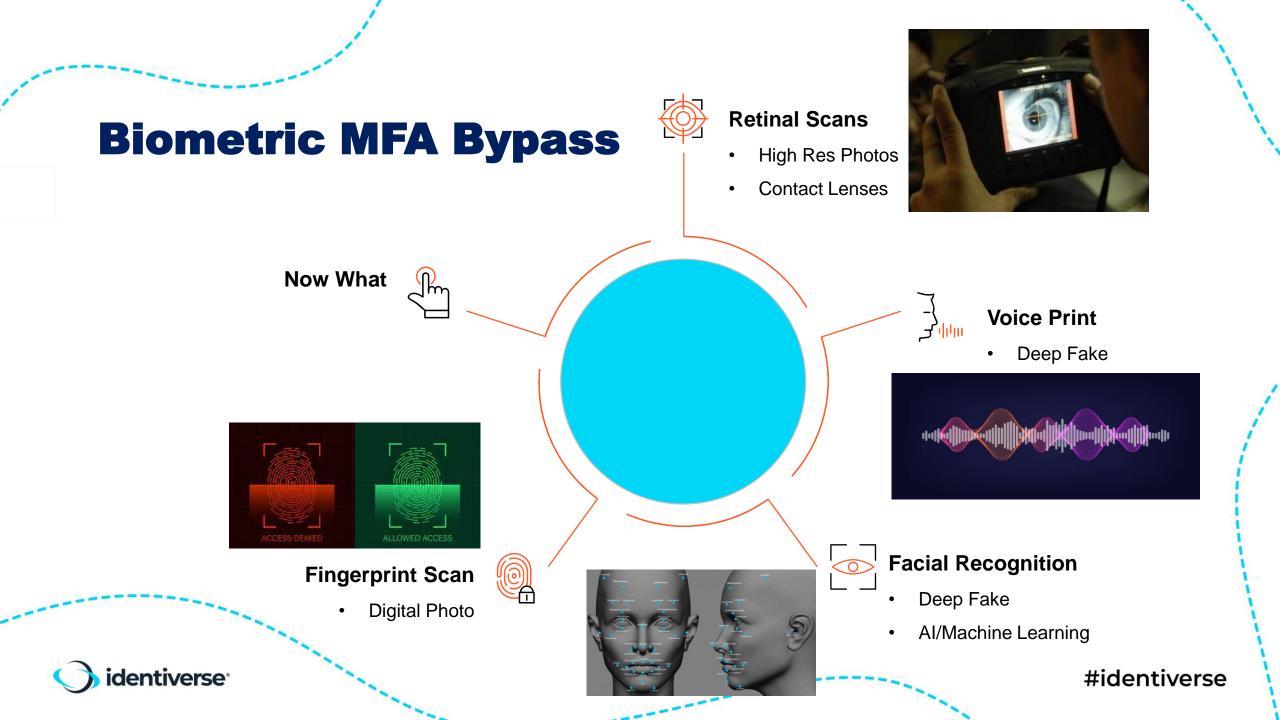


Biometrics & MFA

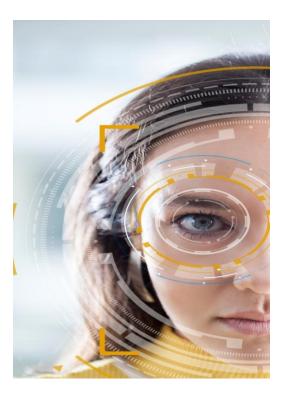


Most consumers were introduced to Biometrics via the mobile market





Biometric Data Collection



- Attribute
 - Biometric Template
- Storage
 - On Device Storage
 - Server Storage
- Format
 - Portable Token
 - Distributed Data Storage
 - Biometric & Blockchain Data Storage
 - Tokenized Biometric Data



Data Models / Deep Fake / Al



Deep Fake Threat





A Deep Faked Elon Musk is Scamming People on YouTube

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BY ALICE HEARING October 3, 2022 at 1:20 PM GMT+3



The internet criminals are hijacking YouTube accounts and then uploading the <u>deepfake</u> videos of Musk to promote bogus cryptocurrency giveaways, reports the <u>BBC</u>.

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October 3, 2022

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Identity Value

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Source Of Truth



Additional Factors

- Add Heuristics
- Blockchain





Transhuman

• Bio Implants



New Industry

• IVAAS

Future Solution

- Make use of what we have today
 - Adaptive MFA
 - PKI / FIDO
 - IDS
 - Analytics
 - Next Generation Firewalls
 - PAM
 - Security Orchistration





Conclusion

We Are NOT Special Snowflakes

- Layered Security Approach
- Defense In Depth





THANK YOU!

identiverse^{*}

