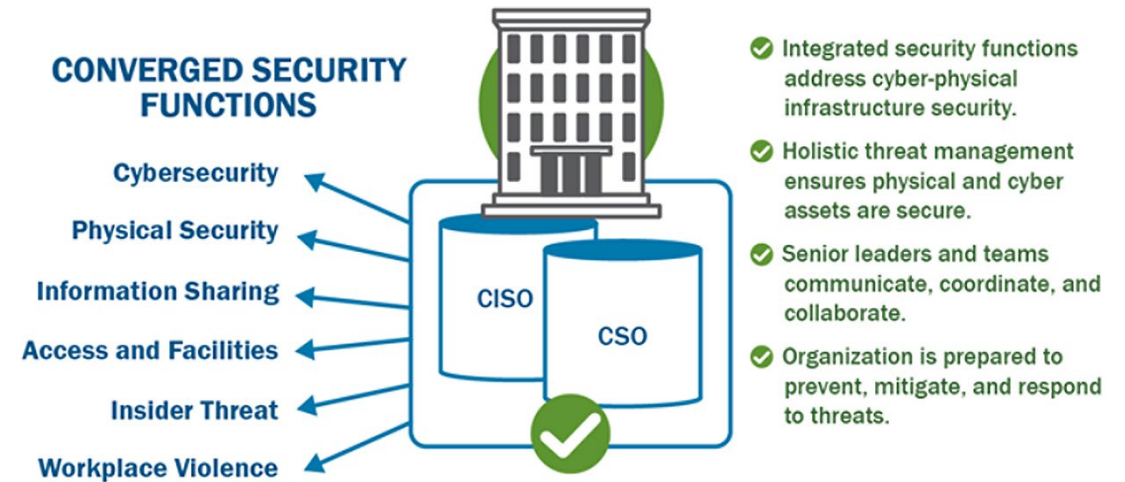
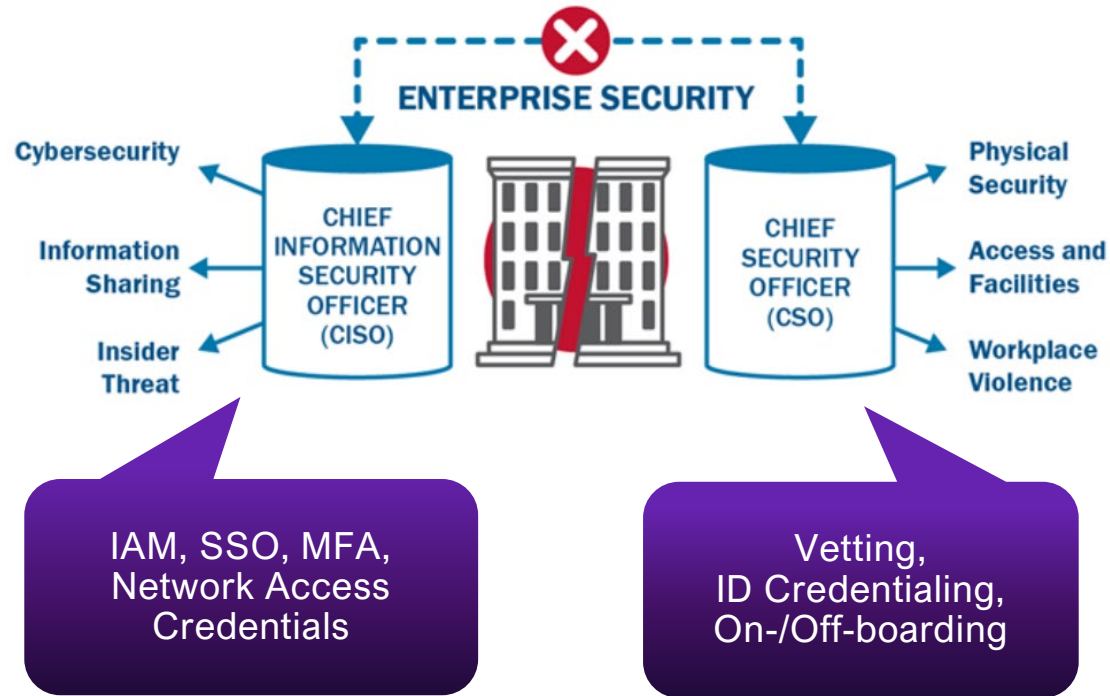


What is your Roadmap for Enterprise Identity Security Convergence?

February 25, 2025

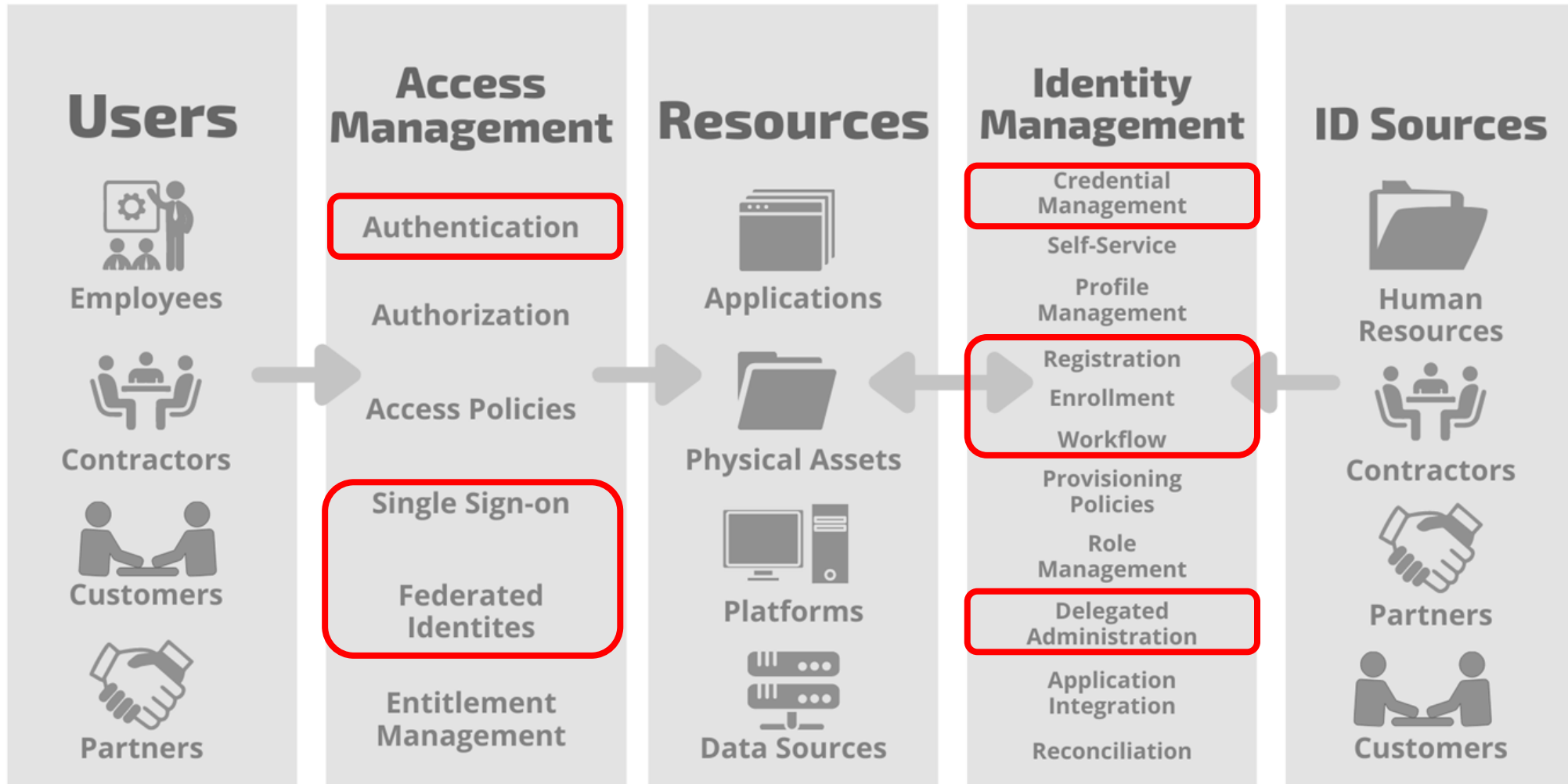


WHAT IS SECURITY CONVERGENCE?



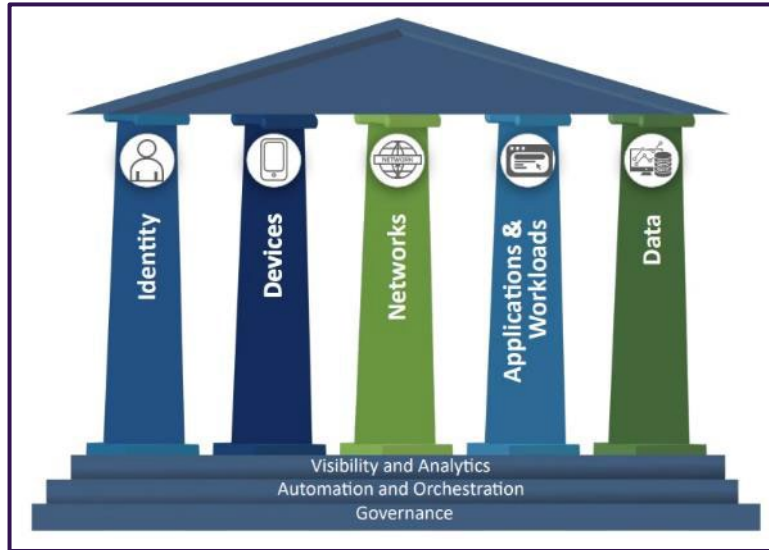
[Cybersecurity and Physical Security Convergence Action Guide | CISA](#)

IDENTITY ACCESS MANAGEMENT



[Understanding Key Identity & Access Management Components | Blog](#)

CHALLENGES AHEAD



Zero Trust

- Device identification
- User identity verification and MFA
- Secure communication
- Policy enforcement & adjustment



Hybrid Workforce

- Increasingly dispersed workforce
- Seasonal workforce
- Mobile devices, BYOD policies
- Interview fraud, compliance visibility



Gen AI and Quantum Agility

- Sophisticated spoofing, injection and presentation attacks
- Post-quantum computing migration yet to be planned for

DoJ Busts Up Another Multinational DPRK IT Worker Scam

A departmentwide initiative has now led to five major law enforcement actions, in an attempt to curb the increasingly common trend of North Korean hackers posing as IT job applicants.



Nate Nelson, Contributing Writer

January 25, 2025



CNN World

Africa

Americas

Asia

Australia

China

Europe

India

Middle East

More

World / Asia

Finance worker pays out \$25 million after video call with deepfake 'chief financial officer'



By Heather Chen and Kathleen Magramo, CNN

2 minute read · Published 2:31 AM EST, Sun February 4, 2024

CYBERCRIME

Healthcare IT Help Desk Employees Targeted in Payment-Hijacking Attacks

The US Department of Health warns of financially motivated social engineering attacks targeting healthcare organizations.



By Ionut Arghire

April 8, 2024

Threat actors behind Las Vegas casino attacks are social-engineering mavens

Scattered Spider threat actors are attacking large companies and their IT help desks to steal data for extortion, according to federal cyber authorities.

Published Nov. 17, 2023

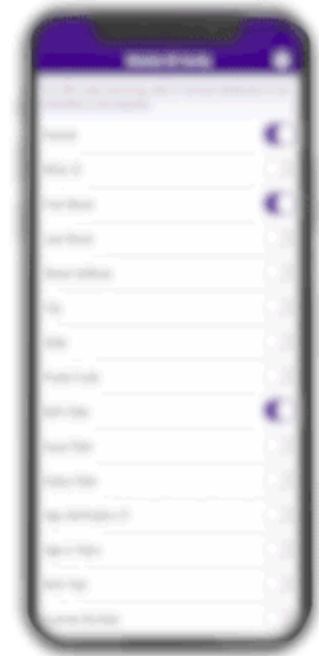
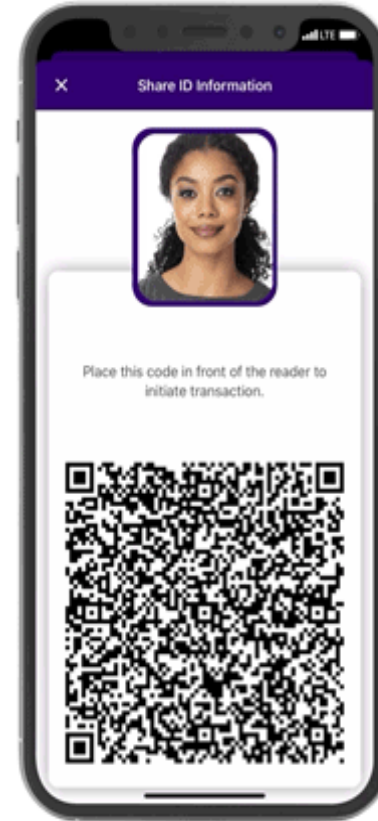
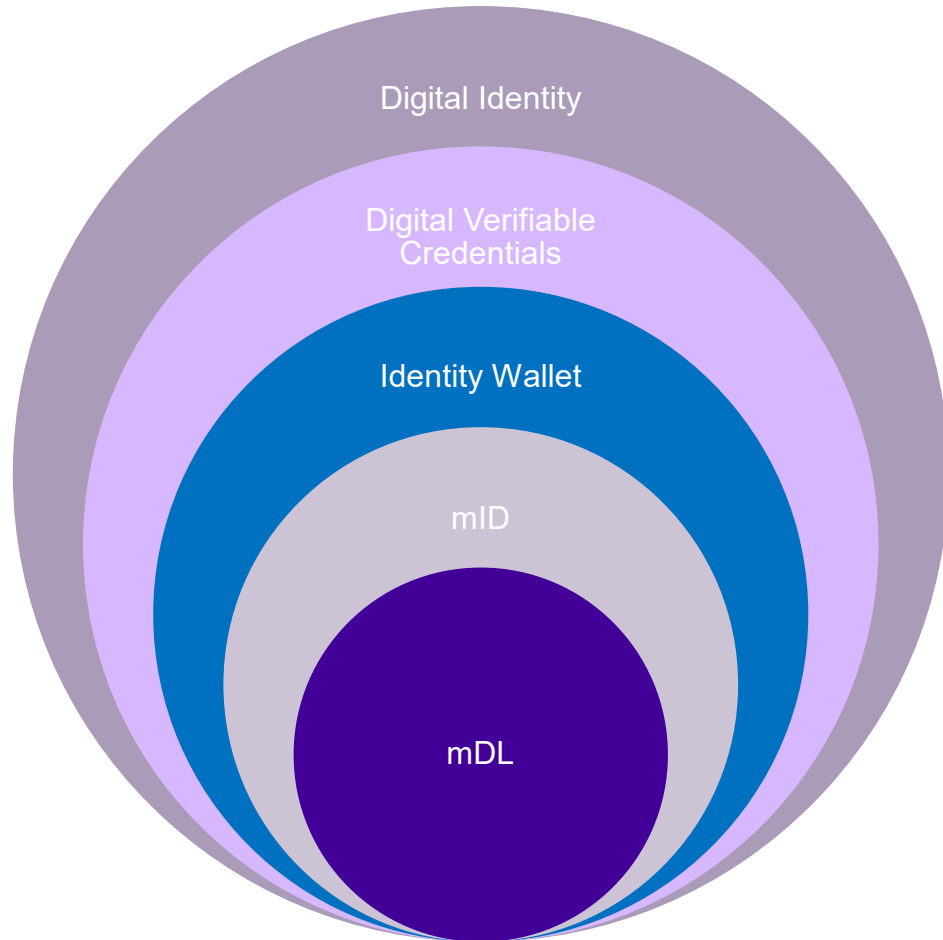
EMPLOYEE-TARGETED ATTACKS

Socially Savvy Scattered Spider Traps Cloud Admins in Web

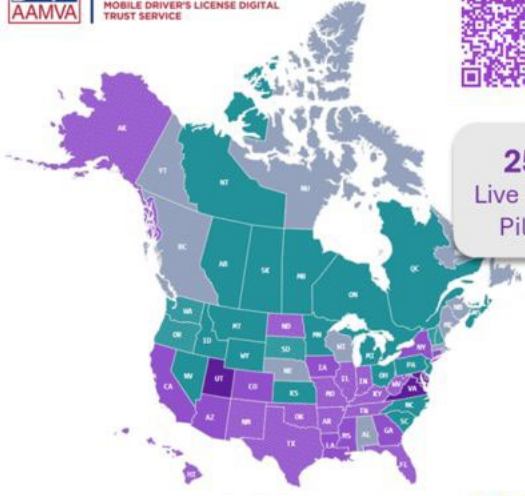
The dangerous ransomware group is targeting financial and insurance sectors using smishing and vishing against IT service desk administrators, cybersecurity teams, and other employees with top-level privileges.

Scattered Spider, a financially motivated threat actor, is infamous for gaining initial access using a variety of social engineering tactics, which include **calling employees and impersonating IT staff, using Telegram and SMS messages that redirect to phishing sites, and employing MFA fatigue.** The threat actor can also engage with the victims directly to obtain their one-time passwords (OTPs). After gaining access, the adversary stays away from using specialized malware and favors a variety of reliable remote management tools to maintain persistent access.

MOBILE DRIVER'S LICENSE



MOBILE DRIVER'S LICENSE



25
Live or in Pilot

North America mDL Implementations

- Public Key Available in Digital Trust Service
- Interoperable implementation
- Interoperable implementation in progress
- Legislative and/or study activity
- Attempt to execute legislative and/or study activity
- No information available



Queensland mobile driver's license could be model for global mDL deployment

Credential has seen solid uptake with biometric backing from Thales

Feb 20, 2025, 6:00 am EST | [Joel R. McConvey](#)

Mobile driver's licenses to launch in Hong Kong in 2025

Push for digital transformation includes electronic ID cards, mDLs

Nov 11, 2024, 3:35 pm EST | [Joel R. McConvey](#)

New Jersey governor urges lawmakers to pass mobile driver's license bills

In his State of the State address, New Jersey Gov. Phil Murphy urged lawmakers to pass legislation creating a mobile driver's license program.

BY [COLIN WOOD](#) - JANUARY 14, 2025



16
Live or in Pilot

European Countries mDL Implementations

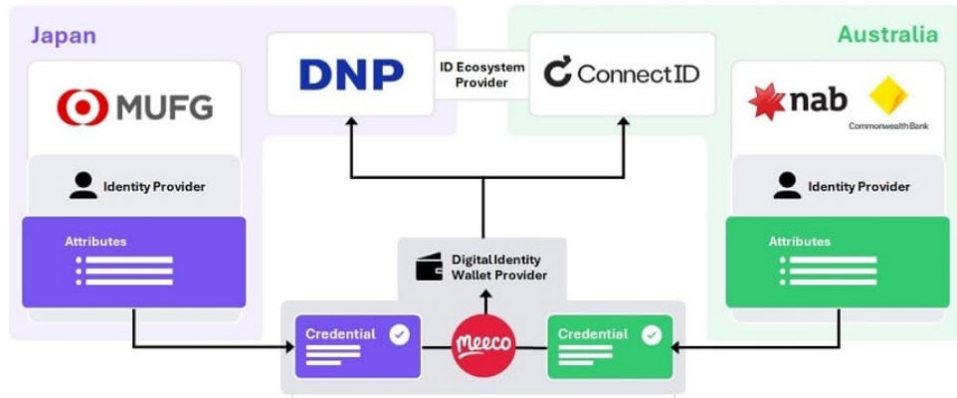
- | | |
|--|--|
| ● Austria | ● Finland |
| ● Belgium | ● France <i>Leader</i> |
| ● Cyprus | ● Germany <i>Leader</i> |
| ● Czechia | ● Greece |
| ● Estonia | ● Hungary |
| ● Italy | ● Portugal |
| ● Lithuania | ● Slovakia |
| ● Luxembourg | ● Slovenia |
| ● Netherlands | ● Spain |
| ● Poland | ● Ukraine |

IDENTITY WALLET & DIGITAL VERIFIABLE CREDENTIALS

Australia and Japan showcase cross-border verifiable credentials

Jun 14, 2024, 1:43 pm EDT | [Masha Borak](#)

CATEGORIES [Biometric R&D](#) | [Biometrics News](#) | [Civil / National ID](#)



PASSKEY



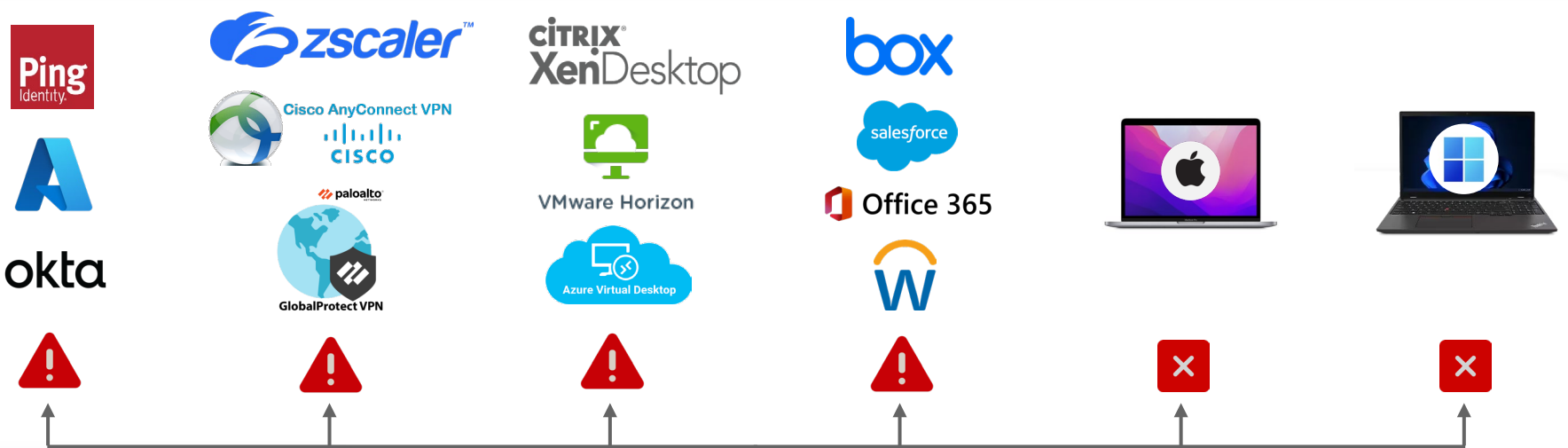
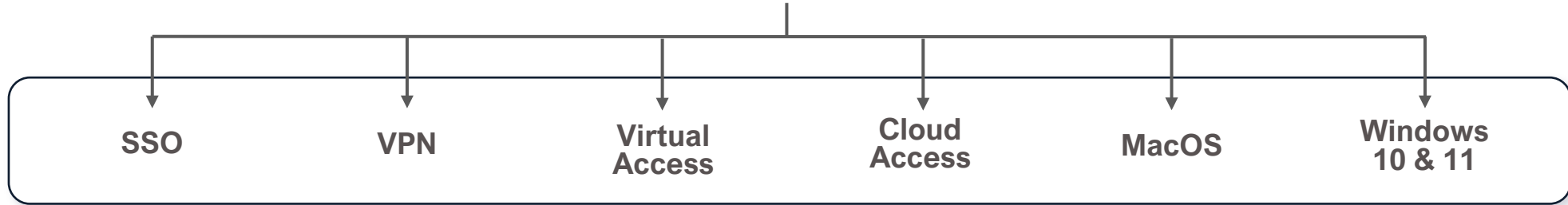
Passkey

pass, *kee* noun



A *passkey* is a FIDO authentication credential based on FIDO standards, that allows a user to sign in to apps and websites with the same process that they use to unlock their device (biometrics, PIN, or pattern). Passkeys are FIDO cryptographic credentials that are tied to a user's account on a website or application. With passkeys, users no longer need to enter usernames and passwords or additional factors. Instead, a user approves a sign-in with the same process they use to unlock their device (for example, biometrics, PIN, pattern).

The word *passkey* is a common noun; think of it the way you would refer to *password*. It should be written in lowercase except when beginning a sentence or used in a title. The term *passkey* (and plural form *passkeys*) is a cross-platform general-use term, not a feature tied to any specific platform.

PHISHING-RESISTANT. EVERYWHERE.



Legacy Authentication Methods
TOTP / PUSH / Number Matching

 Other apps use easy to phish factors and many are not FIDO-certified.
 They do not support OS login.

PASSKEY

NIST Special Publication 800
NIST SP 800-63Bsup1

Incorporating Syncable Authenticators Into NIST SP 800-63B

Digital Identity Guidelines — Authentication and Lifecycle
Management

More than 15B accounts can now leverage passkeys for sign in

Available Today!

14 © FIDO Alliance 2024



Passkeys build momentum, enabling access to 15 billion online accounts

FIDO passkey adoption doubles in 2024 as major firms opt for passwordless log-in

🕒 Dec 16, 2024, 5:46 pm EST | [Joel R. McConvey](#)

The Mastercard Payment Passkey Service debuts in Latin America with Sympla and Yuno

DECEMBER 5, 2024 | MIAMI, FL

Best practices Identity and access management

7 min read

Convincing a billion users to love passkeys: UX design insights from Microsoft to boost adoption and security

By [Sangeeta Ranjit](#), Group Product Manager
[Scott Bingham](#), Principal Product Manager

IDENTITY VERIFICATION

OVERVIEW OF THE REMOTE IDENTITY VALIDATION TECHNOLOGY DEMONSTRATION



Prepared by the IDSL



FIDO CERTIFICATION

Elevate Your Brand with FIDO's Identity Verification (IDV) Certifications

▶ Learn More



QUANTUM COMPUTING

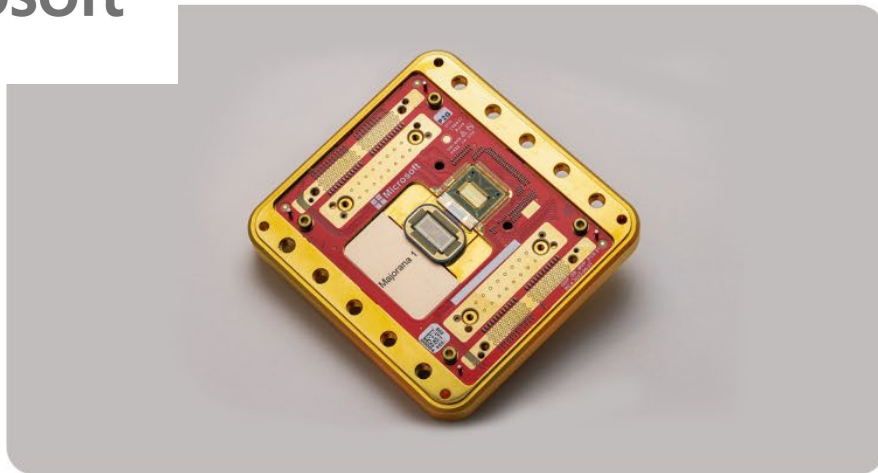


MIGRATION TO POST-QUANTUM CRYPTOGRAPHY (PQC)

The National Cybersecurity Center of Excellence (NCCoE) is collaborating with stakeholders in the public and private sectors to bring awareness to the challenges involved in migrating from the current set of public-key cryptographic algorithms to replacement algorithms that are resistant to cryptographically relevant quantum computer-based attacks. This fact sheet provides an overview of the Migration to Post-Quantum Cryptography project.

Call for action: urgent plan needed to transition to post-quantum cryptography together

Europol's Quantum Safe Financial Forum implores the financial sector to act now to combat the quantum related threat



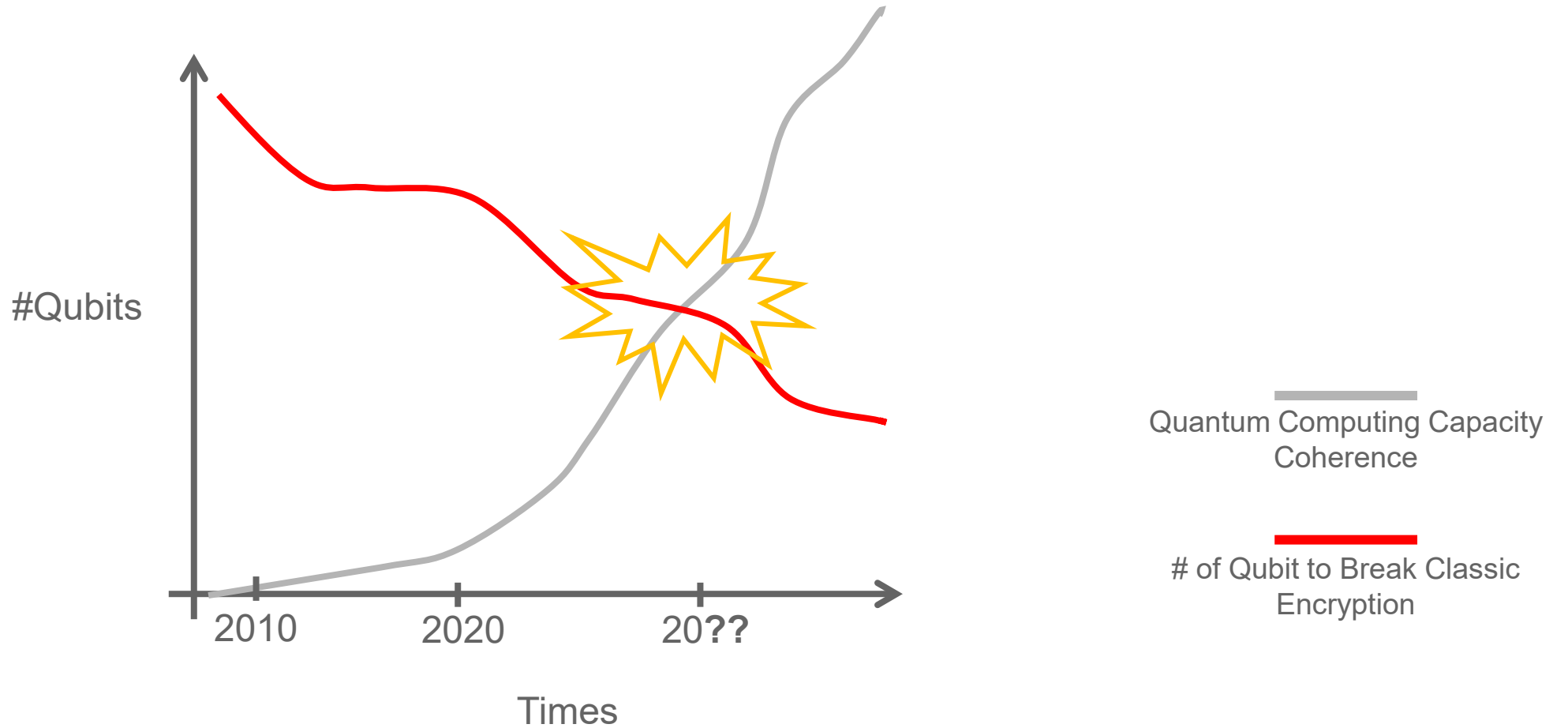
News • February 19, 2025 • 7 min read

Microsoft unveils Majorana 1, the world's first quantum processor powered by topological qubits

by [Chetan Nayak](#), Technical Fellow and Corporate Vice President of Quantum Hardware

WHEN IS Q-DAY (Y2Q)?

The term "q-day" refers the day when cryptographically relevant quantum computers (crqcs) can break common (classic) cryptographic protocols using quantum algorithms.



NIST DIGITAL IDENTITY GUIDELINES....

NIST

Search NIST



Menu

NEWS

NIST Releases Second Public Draft of Digital Identity Guidelines for Final Review

August 21, 2024

- NIST is offering updated guidance on a wide range of methods people use to prove their identity, from digital wallets and passkeys to physical IDs.
- The guidance aims to ensure security, privacy and accessibility during the identity-proofing process for people accessing government services.
- NIST is seeking public comments on the draft guidelines through Oct. 7, 2024.

 MEDIA CONTACT

301-975-2762

 ORGANIZATIONS

ENABLING THE CONVERGENCE

Linking Physical and Digital Identity



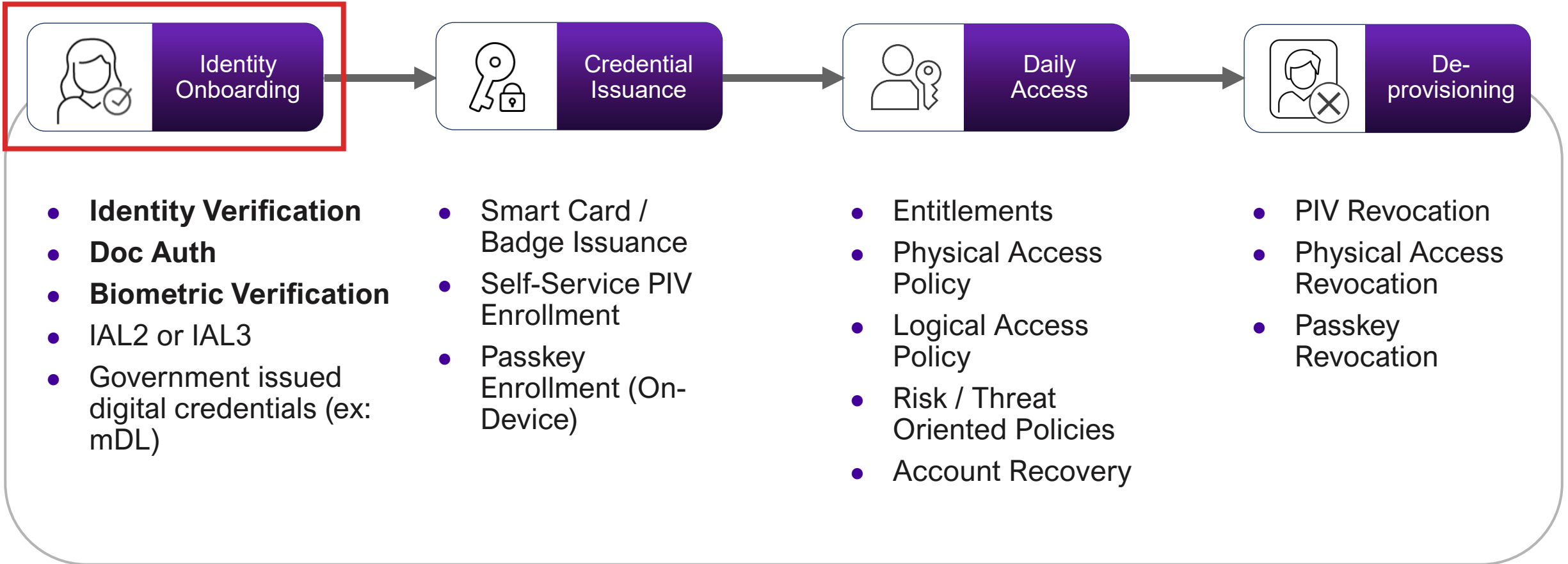
Multi-purpose Credential
PIV, FIDO, LEAF, NFC

Considered a **Superior** Identity Evidence



- ✓ Integrated security functions address cyber-physical infrastructure security.
- ✓ Holistic threat management ensures physical and cyber assets are secure.
- ✓ Senior leaders and teams communicate, coordinate, and collaborate.
- ✓ Organization is prepared to prevent, mitigate, and respond to threats.

SMART CREDENTIALS LIFECYCLE



STRENGTH OF IDENTITY EVIDENCE (NIST SP 800-63)

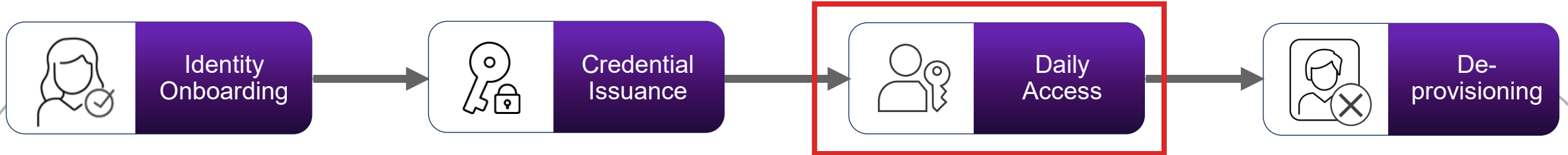
SUPERIOR

- The issuing source of the evidence confirmed the claimed identity by following written procedures designed to enable it to have high confidence that the source knows the real-life identity of the subject. Such procedures are subject to recurring oversight by regulatory or publicly accountable institutions.
- The issuing source visually identified the applicant and performed further checks to confirm the existence of that person.
- The issuing process for the evidence ensured that it was delivered into the possession of the person to whom it relates.
- The evidence contains at least one reference number that uniquely identifies the person to whom it relates.
- The full name on the evidence must be the name that the person was officially known by at the time of issuance. Not permitted are pseudonyms, aliases, an initial for surname, or initials for all given names.
- The evidence contains a photograph of the person to whom it relates.
- **The evidence contains a biometric template (of any modality) of the person to whom it relates.**
- **The evidence includes digital information, the information is protected using approved cryptographic or proprietary methods, or both, and those methods ensure the integrity of the information and enable the authenticity of the issuing source to be confirmed.**
- **The evidence includes physical security features that require proprietary knowledge and proprietary technologies to be able to reproduce it.**
- The evidence is unexpired.

VALIDATING IDENTITY EVIDENCE (NIST SP 800-63)

Strength	Method(s) performed by the CSP
Strong	<ul style="list-style-type: none">- The evidence has been confirmed as genuine:<ul style="list-style-type: none">- using appropriate technologies, confirming the integrity of physical security features and that the evidence is not fraudulent or inappropriately modified.OR- by trained personnel and appropriate technologies, confirming the integrity of the physical security features and that the evidence is not fraudulent or inappropriately modified.OR- by confirmation of the integrity of cryptographic security features. <p>- All personal details and evidence details have been confirmed as valid by comparison with information held or published by the issuing source or authoritative source(s).</p>
Superior	<ul style="list-style-type: none">- The evidence has been confirmed as genuine by trained personnel and appropriate technologies including the integrity of any physical and cryptographic security features.- All personal details and evidence details from the evidence have been confirmed as valid by comparison with information held or published by the issuing source or authoritative source(s).

SMART CREDENTIALS LIFECYCLE



- Identity Verification
- Doc Auth
- Biometric Verification
- IAL2 or IAL3
- Government issued digital credentials (ex: mDL)

- Smart Card / Badge Issuance
- Self-Service PIV Enrollment
- Passkey Enrollment (On-Device)

- Entitlements
- Physical Access Policy
- Logical Access Policy
- Risk / Threat Oriented Policies
- **Account Recovery**

- PIV Revocation
- Physical Access Revocation
- Passkey Revocation

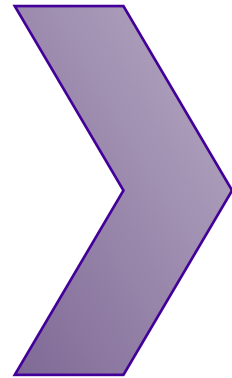
A NEW CHALLENGE: CRYPTOAGILITY



QUANTUM-SAFE ALGORITHMS ARE YOUNG

For the next 10-15 years...

- Vulnerabilities may appear with extensive real-world deployment
- Some algorithms could prove less secure than anticipated
- Standards will be evolving



CRYPTOAGILITY

As soon as a vulnerability is discovered

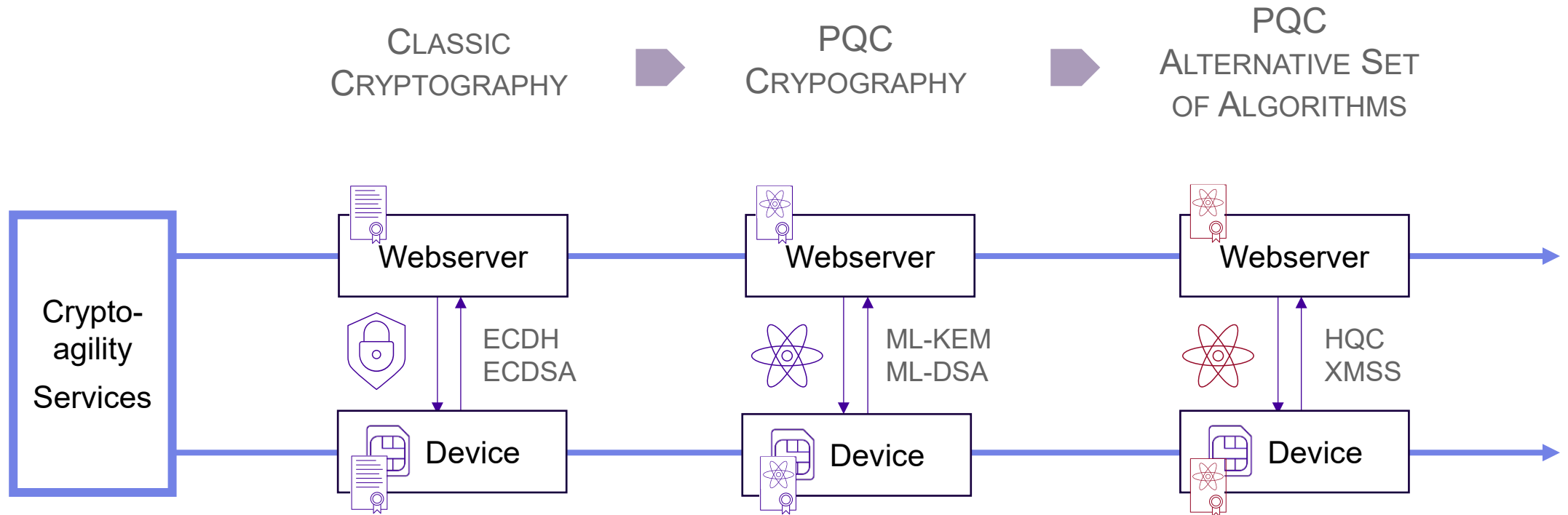
- Algorithms must be updated
- Including physical credentials and devices

If there is a need to change algorithm

- Decouple encryption algorithms from workflows
- Protocols need to be changed everywhere at the same time
- Credentials must be reissued

CRYPTO AGILITY FOR PHYSICAL DEVICES

SECURE COMMUNICATION AND AUTHENTICATION USING CRYPTOGRAPHIC MODULES



ROADMAP OBJECTIVES



Strengthened Posture

- Gen-AI-resilient employee onboarding
- Eliminate passwords and legacy MFA from Desktop to Cloud
- End-point security x Identity Access Management
- Adaptive authentication continuously monitoring for increased risks



Simplified Experience

- Consistent and frictionless user experience
- Eliminate costly password resets
- Choice of hardware and software solutions with centralized management



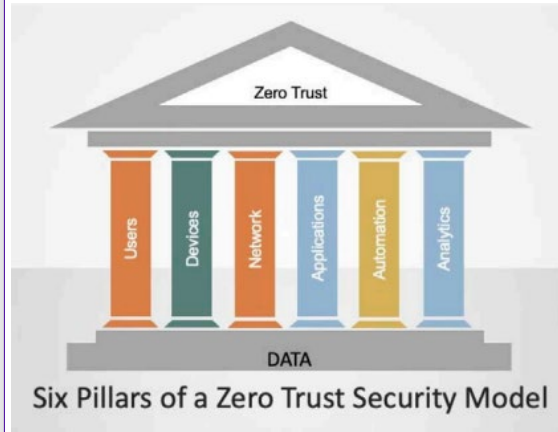
Business Acceleration

- Accelerate business transformation by eliminating identity silos
- Smart ID as an “Anchor Credential”
- Account Recovery
- New Device Enrollment
- Re-verification
- Business Resilience with Cryptoagility

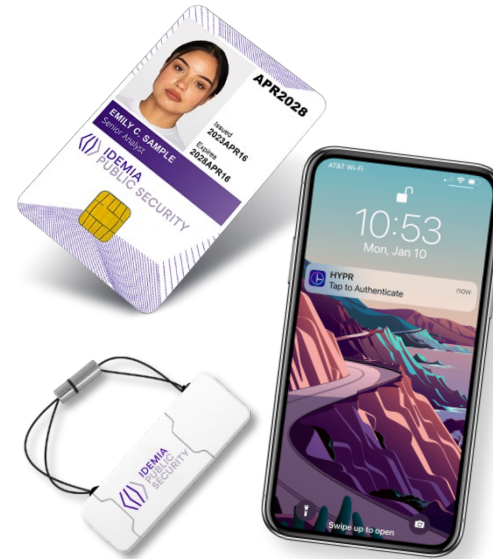
ROADMAP CONSIDERATIONS



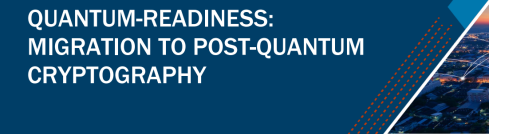
- Interoperable: leverages industry standards
- Livessness detection
- Identity Verification enablement
- Phishing-Resistant MFA



- Converged security: complete solution for physical and logical access control
- Zero trust Implementation



- Diverse form factors
- User choice
- Mobile & digital



- Establish a PQ Readiness Roadmap
- Prepare a Cryptographic Inventory
- Engage your Cryptography Vendors on PQC
- Supply Chain Quantum Readiness

CONVERGED SECURITY FUNCTIONS



- ✓ Integrated security functions address cyber-physical infrastructure security.
- ✓ Holistic threat management ensures physical and cyber assets are secure.
- ✓ Senior leaders and teams communicate, coordinate, and collaborate.
- ✓ Organization is prepared to prevent, mitigate, and respond to threats.



CONTACT

Teresa Wu

Vice President, Smart Credentials & Access



Teresa.Wu@us.idemia.com

Challenges in Identity Verification



Frances Zelazny
Anonybit



David Kelts
DecipherID



Karan Puri
TD Bank

The Dark Side of Generative AI

Challenges for Identity Verification

Frances Zelazny

The Future is Here and AI is Challenging Societal Assumptions

Artists embracing cloning and charging royalties for use of their voice



Companies like HourOne allow people to develop avatars for sales, product marketing, etc.



Potential to be a societal equalizer



1000:1 gap in papers on AI resource development v AI safety



Same AI model that can give every child a biology lesson can give any terrorist a bioweapon lesson



Cyberterrorists selling AI-powered tools for \$9.99/mo to enable audio clips that are tied to ransom demands.

Fact or Fiction: AI Generated Fraud

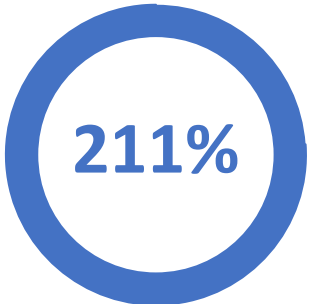
Can you spot the fakes?

Here are six headshots created with generative AI tools. Five are fake. One is real.
Can you figure it out?

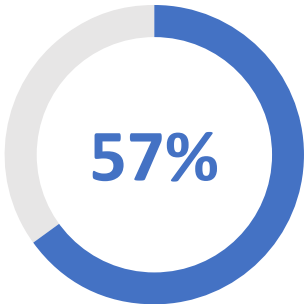


Source: AuthenticID

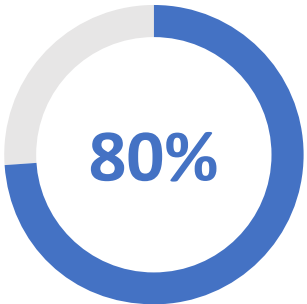
Even before this really takes off, we are in a fraud crisis.



increase in victims who received breach notices



lost more than \$500K in direct fraud



security incidents due to phishing



in account takeover fraud losses in 2023



lost in SIM swap attacks in 2023



The root of all fraud boils down to compromised credentials

Personal data is stored inside central honeypots that are impossible to protect



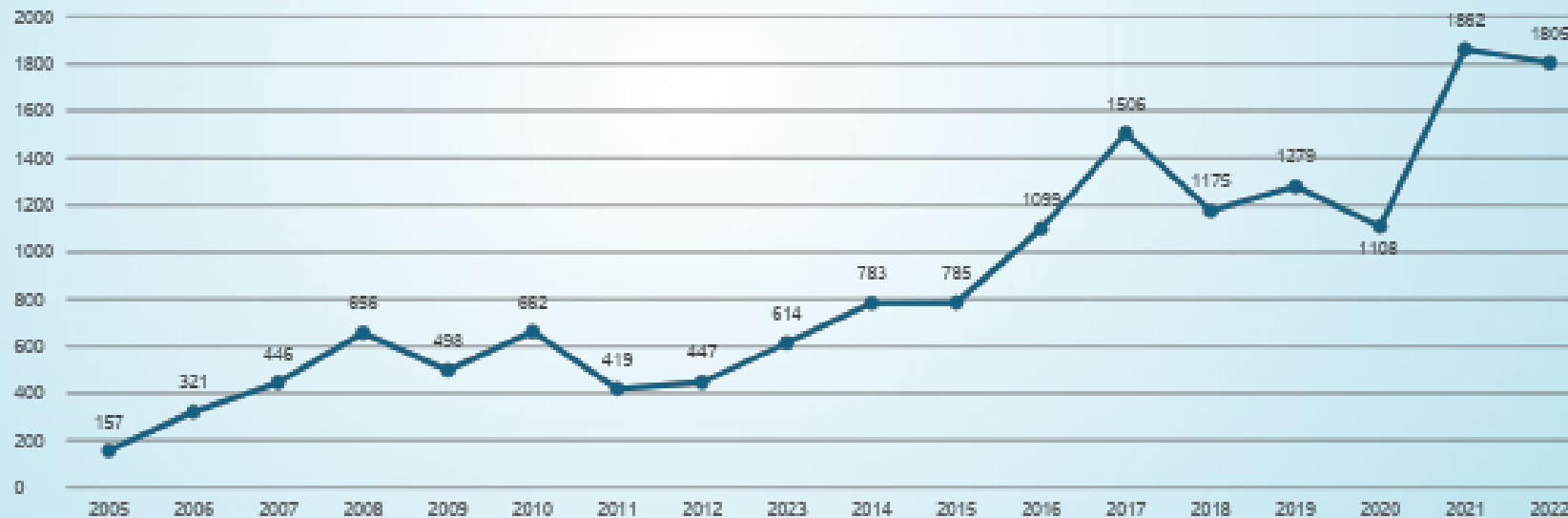
Biometric data collected in account origination is not stored because of privacy concerns

Stolen data is sold on the dark web and used for authentication

Siloed organizational processes create blind spots that attackers exploit

Many enterprises **already collect biometrics** during account origination but **don't store them for fear of data compromises**

Number of Data Compromises



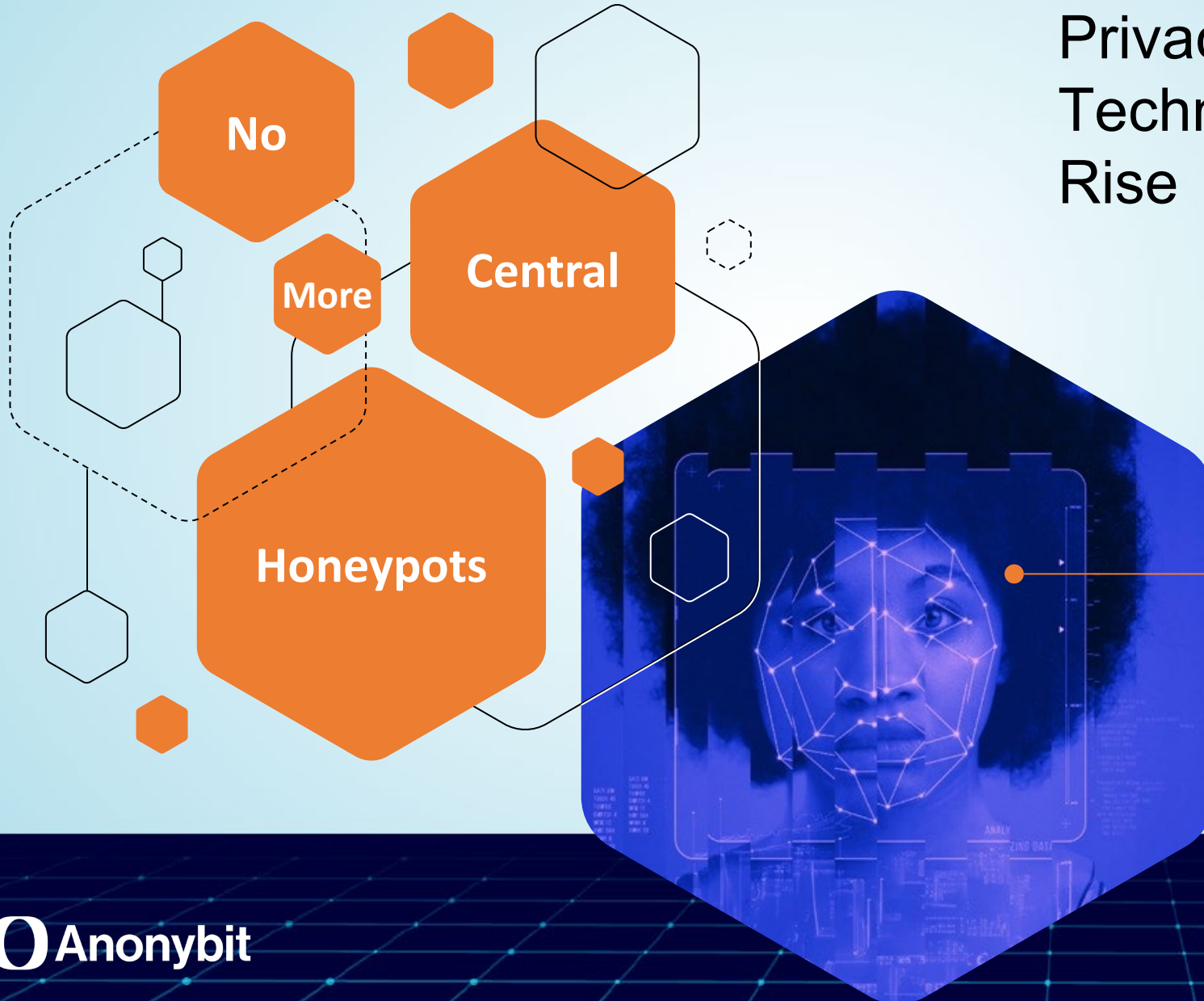
Sources: Statista 2023, Identity Theft Resource Center, Socure

5 Steps to Combating the Risks of AI Generated Identity Theft

- **Eliminate central honeypots of personal data**
- **Use consistent biometrics across the user journey**
- Use liveness detection
- **Apply injection detection techniques**
- Augment biometric authentication mechanisms with dynamic fraud detection



Privacy-Enhancing Technologies (PETs) on the Rise



Approaches:

Tokenization

Homomorphic Encryption

Secure Multi Party Computation

Zero Knowledge Proofs

Considerations:

Use cases to support (1:1 v 1:N)

Audit and adjudication needs

Vendor lock in

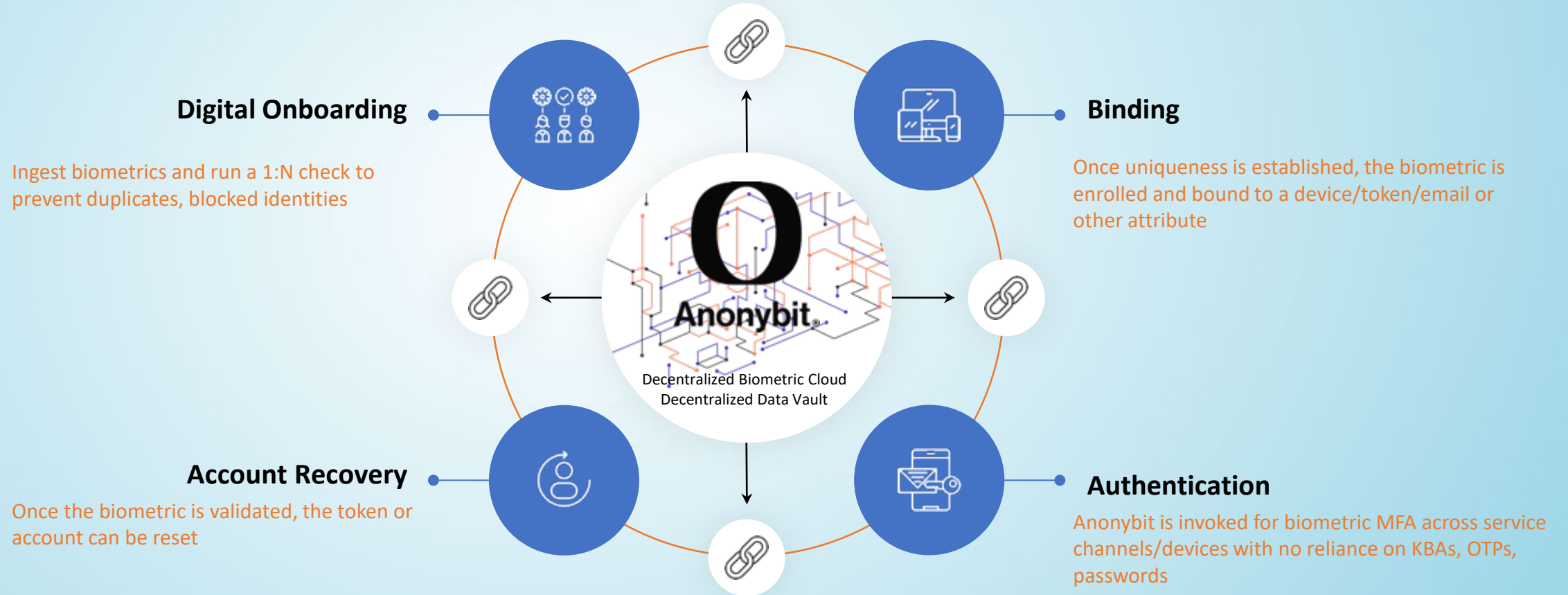
Biometric performance

Key/token management

Anonybit's Patented Approach Leverages SMPC and ZKP



The result is a closed **circle of identity** without the gaps that attackers exploit



Combining injection detection with biometric authentication



Source: IronVest



O Anonybit

THANK YOU

Frances Zelazny
Co-Founder &
CEO
frances@anonybit.
io

The Experience of Identity Verification (IDV)

As it relates to provisioning a Mobile Driver's License Accurately.

David Kelts, 2025-Feb-24

Momentum in Government Online, Digital & Mobile ID

Spots of high activity around the world and beginning to converge into global coverage



2.09 billion

people globally have a Digital Identity or Digital ID



99.4%

of all Swedish Citizens between the ages of **18-67** have a Bank ID that they use for government services



85m of 115m

people in the Philippines have ePhil ID



46%

of the **US population** lives in a state with a live mobile driver's license (**mDL**)



The **European Union** plans for **multiple wallets** and **requires** initial deployments by **2026**



1.3 billion

people covered by Aadhar in India



97%

of organizations experience **challenges** with identity verification using **physical documents** including AI generated fakes



7 States

Australia Fed Initiative deploying mDL & mID in all 7 States starting 2024
NSW: 6M drivers already installed app

Sources:

<https://www.bankid.com/en/om-oss/statistic>;

<https://www.biometricupdate.com/>;

<https://hub.pingidentity.com/2024-it-pro-survey/ai-and-identity-fraud-protection-take-priority>;

Trinsic.ID downloadable Digital ID Adoption Report: <https://trinsic.id/adoption-report/>;

<http://www.mdlconnection.com>

Matica Technologies Group, S.A.



Who gets an ID or DL?

The universe of people who will register for mDL is larger than the set of people who get a bank account, rent a scooter, take carshare, drive carshare, rent apts.

What will happen if we don't onboard the right person?

Adoption and trust in Mobile IDs & mDLs depends on the accuracy of onboarding at scale... **global** scale inclusive of everybody

Is remote IDV more accurate than US Postal Service delivery?

Onboarding as
a Service

“Ripping IDs”

What could
possibly go
wrong?

Document Capture & Auth

- Steady hands for Photo of ID?
- High-Res Capture?
- Contrast for Edge-detection?
- Detect specific security features?
- UV and IR Security Features?
- Barcode generated fake data?
- AI generated Fake ID Card?
- Cropping small, obscured, overlaid face from that small captured image of the document

Face Capture for Match

- Duck Lips
- Huge Smiles on Source or Selfie?
- Angled, Distorted Selfies?
- Variable camera resolutions
- Even lighting on facial features?
- Masks, videos, sleeping people?
- AI Generated Synthetic IDs?

- And then the COST!

Card Capture & Document Authentication

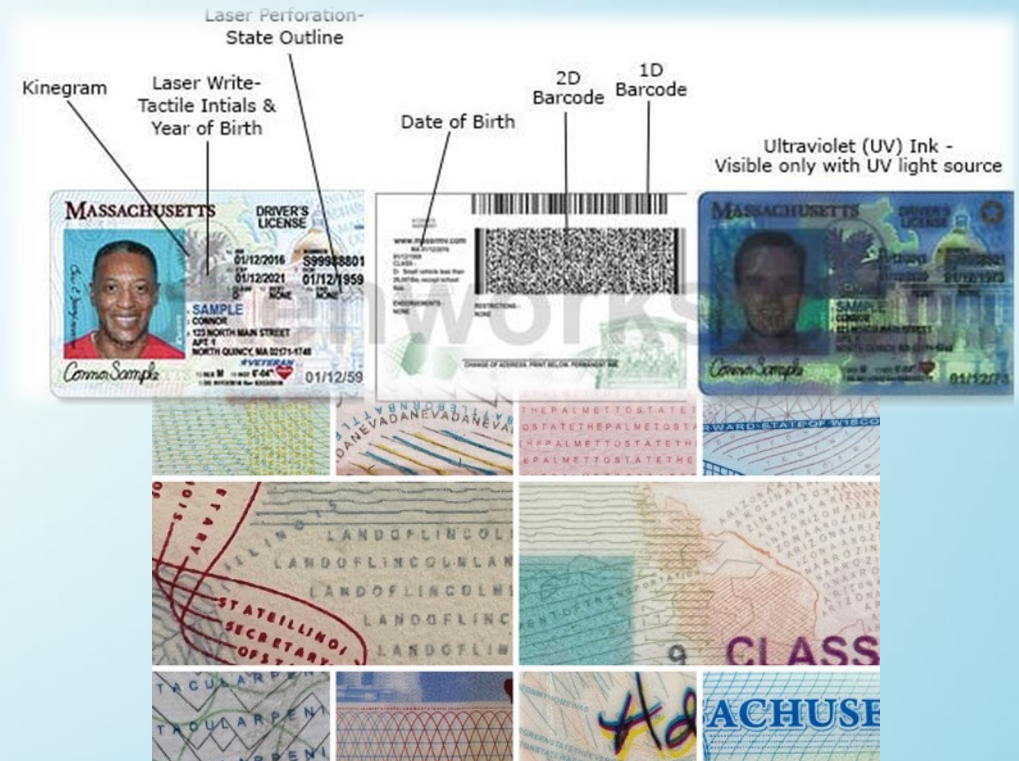
Can we really expect a dark background? And a non-skewed capture?



We tend to consider it like this...



How many security features can we detect with the average phone camera?



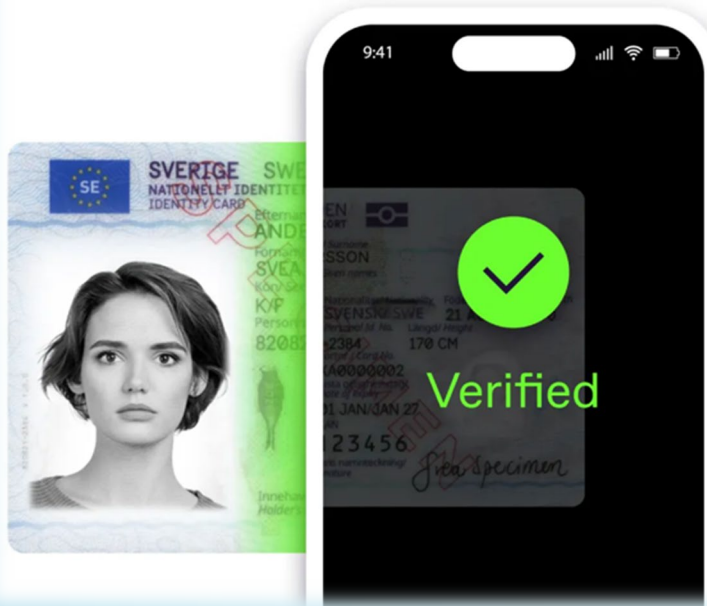
Authenticity of Barcode Data

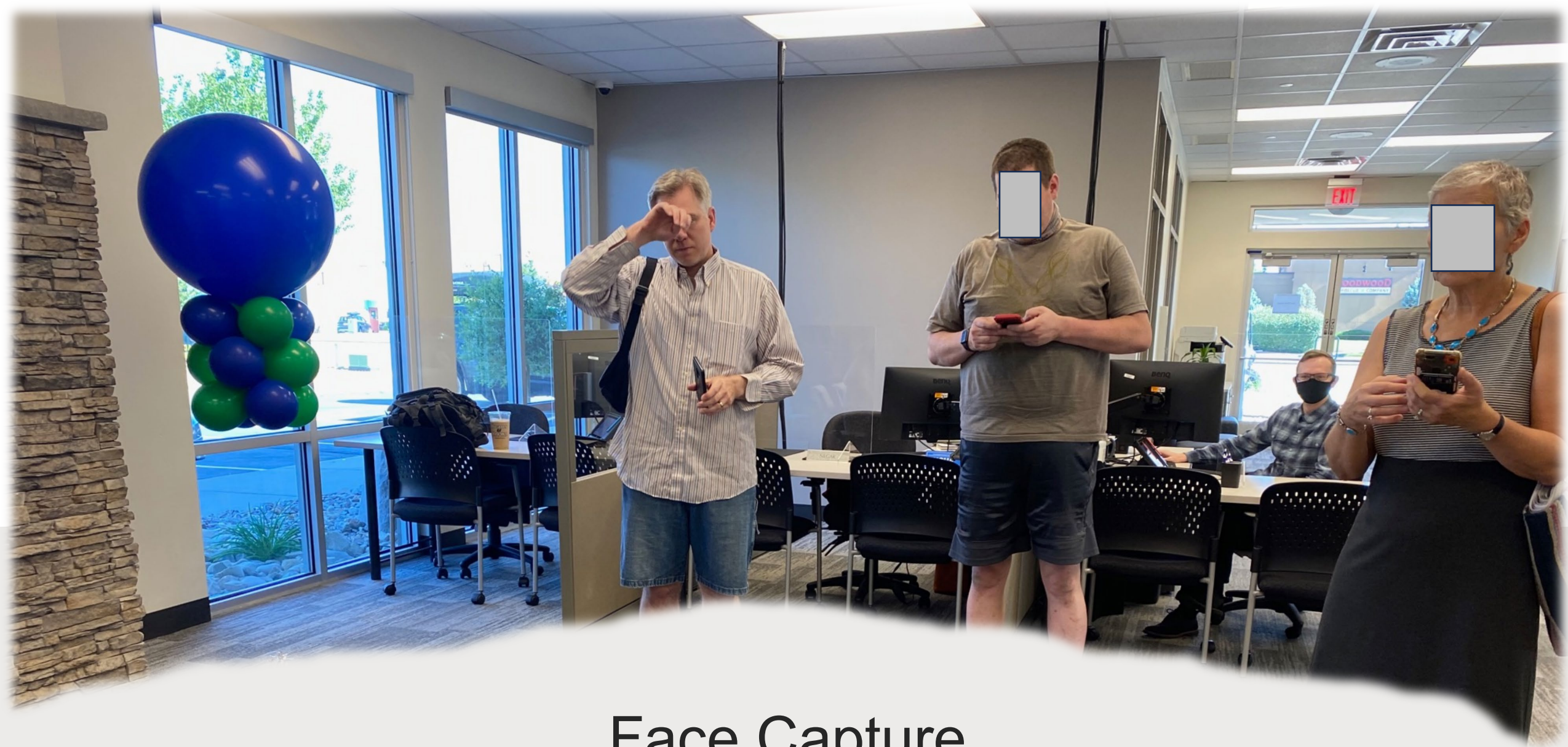
- Generate any data you want to lay over the existing barcode
 - Front/Back Comparison at the accuracy of OCR from beneath overlays and security line prints
- Every fake ID has a barcode that matches the front of card
 - Barcode anomaly detection as Auth
 - Digital signature in Jurisdiction specific fields (only one state)

The screenshot shows a Google search interface with the query "aamva pdf417 barcode generator for drivers license". The search results are filtered to "All" and include several entries:

- PDF417.PRO**: A website offering a "US Driver's License barcode generator". The description states it is a simple and powerful service for creating 100% valid PDF417 barcodes for a US Driver's License. It includes links for "How to create barcode", "States", "Pricing", and "MRZ".
- GitHub**: A repository for "aamva pdf417 barcode generator". The description mentions it is an "AAMVA pdf417 barcode generator for US drivers license. 2D barcode generator ver 26.1 updated." and lists other tools like "Pdf417 Generator", "Code128 Generator", and "Pdf417 Scanner(reader)".
- Apple**: An app listing for "PDF417 AAMVA on the App Store - Apple". The description says "The app allows you to enter, verify and encode AAMVA ID / DL user data into the PDF417 driver's license barcode and the ID barcode." It has a 3.9 star rating and is free on iOS.
- LeadTools**: A tutorial titled "Write AAMVA Driver's License Barcode - Windows C DLL". The description explains it shows how to create a Windows C/C++ API application that writes PDF417 AAMVA standard barcodes using the LEADTOOLS SDK.
- idtempl.com**: A website titled "AAMVA/PDF417 BARCODE GENERATOR". The description includes fields for "License Number: Birth Date: Issue Date: Expiry Date: ; Document Discriminator: +, Inventory Control Number: + ; GENERATE BARCODE."

Do we have anything more accurate in the USA? Direct read from chip?





Face Capture

Liveness and Biometric face matching achieving the **expected** accuracy

How do people hold their phone to read instruction text?

- Bifocals and Progressive Lenses
 - Reading distance in lower portion
- Shielding from lit environments
- Comfortable arm positioning
- If we read instructions on a mobile app at all...



Font size defaults for vision or convenience

People set their font sizes
LARGE

Are your instructions concise so that somebody could read them?

Are they in written language?
Visual-only?

I LOVE MY GIANT PHONE FONT | NOV. 1, 2018

Please Stop Mocking My Phone Font-Size Choices and Join Me in Easy-to-Read Bliss

By Madison Malone Kircher



Turning the font size up on my phone has greatly improved my user experience. Illustration: Intelligencer

I've become conditioned to preemptively declare, "It's not THAT big," anytime somebody looks at my phone screen. It's not that my phone is

How do people take selfies?



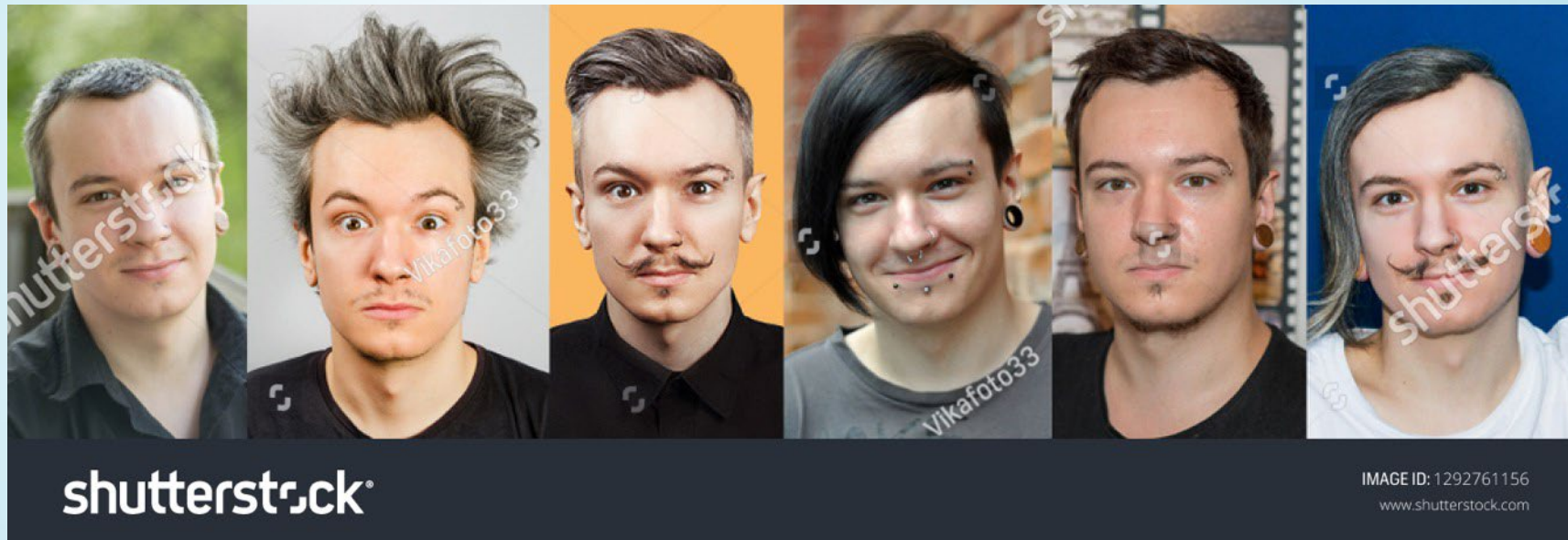
And how do they want their picture to show on their physical card?

Where do people most often register for their Mobile Driver's License?



How is the lighting on both sides of their face?

Social Engineering a Visual Face Match?



This is one way that fraudsters pass as someone else's identity for in-person transactions.

Lens or Barrel Distortion

If people in these photos had different clothes and hair, could you match them visually?

What changes in biometric measurements at different arm lengths?



Cost

If Cardholders expect to pay nothing for their mDL, who is paying for the accuracy that we NEED to build trust in the mDL Ecosystem?

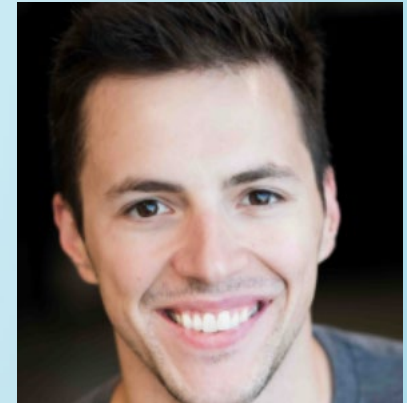
Solutions for Identity Verification



Moderator
David Kelts
DecipherID



Deepanker Saxena
Socure



Riley Hughes
Trinsic

Layered Defense against Identity Frauds

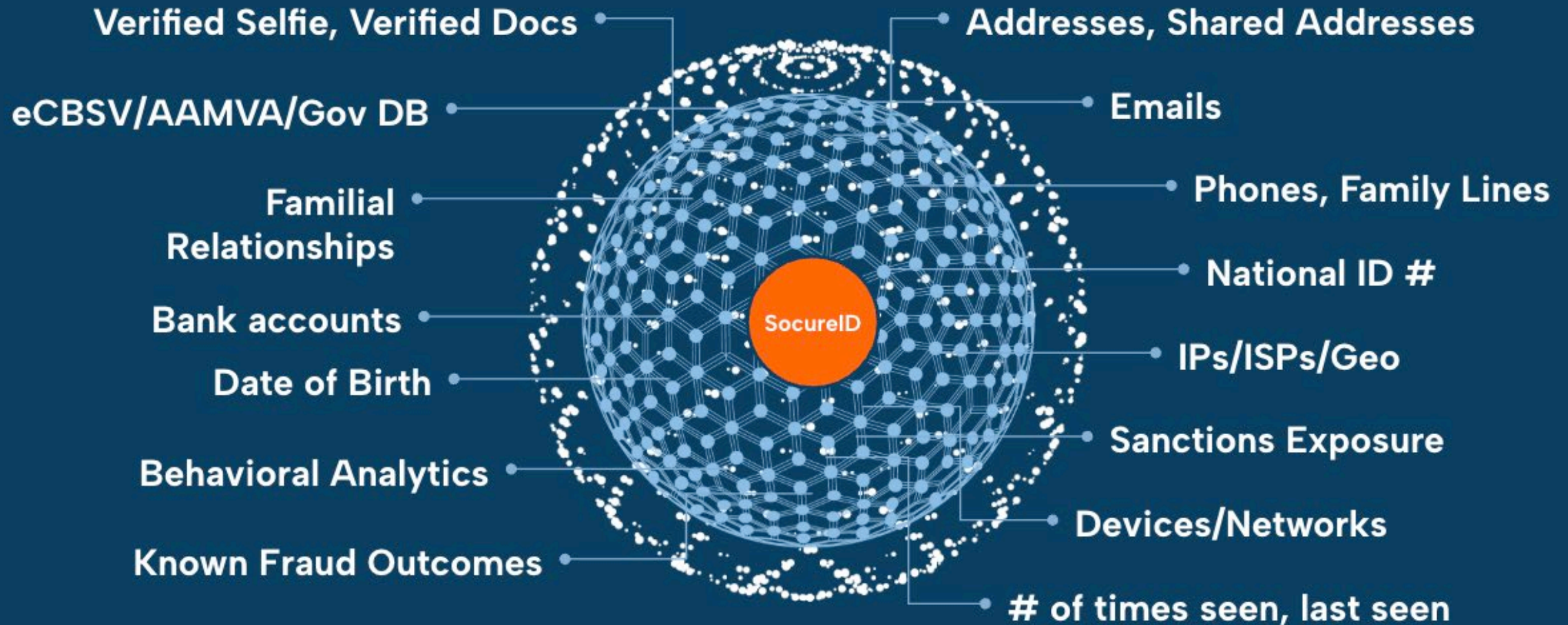
Deepanker Saxena
Socure

Our Vision

Socure will be the world's most accurate and inclusive risk and identity verification company

A developer-friendly AI platform for enterprises (and consumers) to verify, authenticate and manage identities and risk, anywhere in the world.

SocureID will be at the core of everything we do



Socure 2025 to 2027: Capabilities

Four themes that will shape our investments through 2027

SocureID

Holistic view of an identity

RiskOS

Solving fraud, risk, & compliance challenges across the customer journey

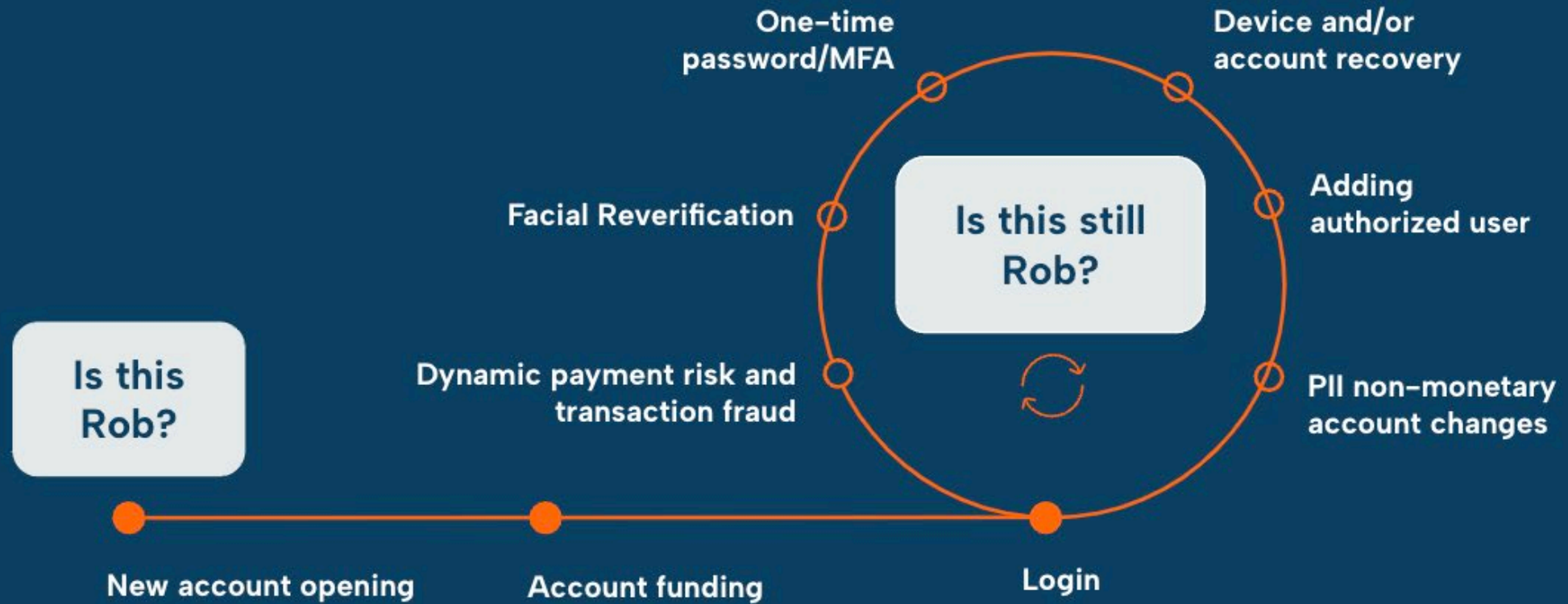
AI Everywhere

GenAI Agents, defensive AI capabilities, LLMs for improved investigative efficiency, and more

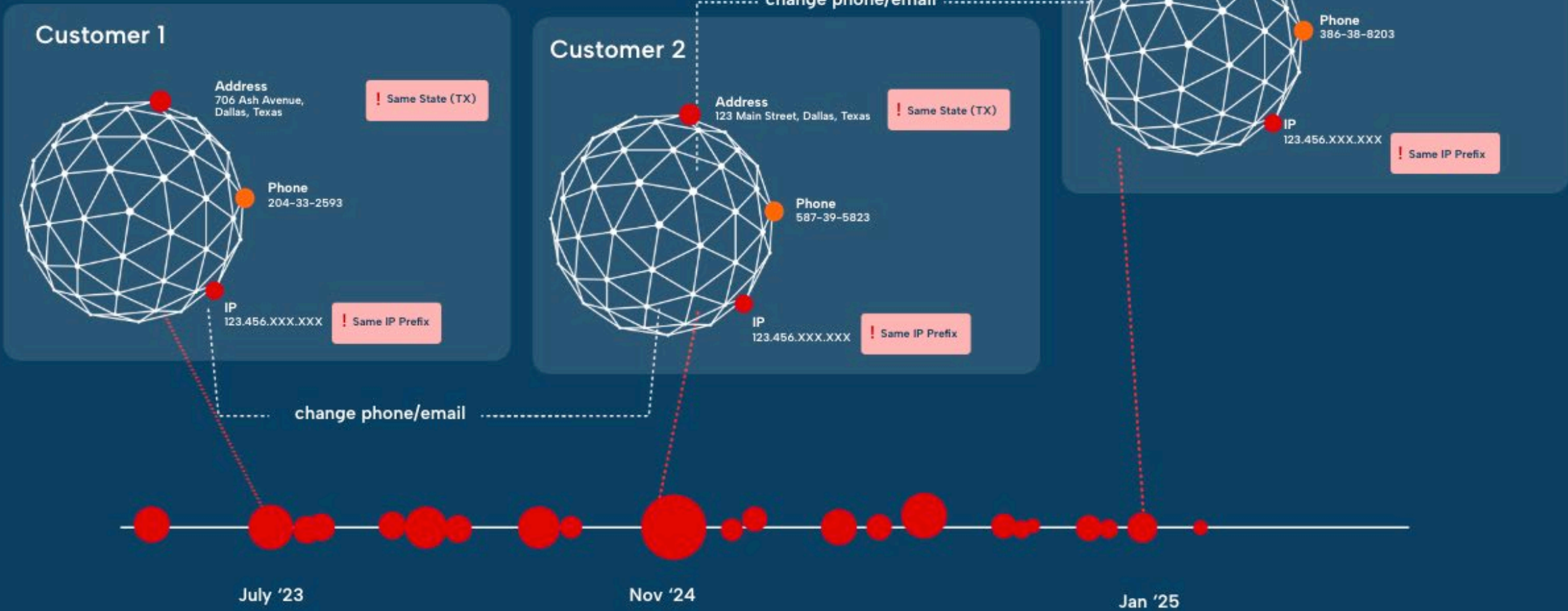
Reusable Identity

Verify once, use anywhere

Powering risk decisions across the entire customer lifecycle



Tracking the movement of fraud attacks across different customers



RiskOS empowers organizations to **build their own identity stack** and tackle risk and trust challenges at every interaction



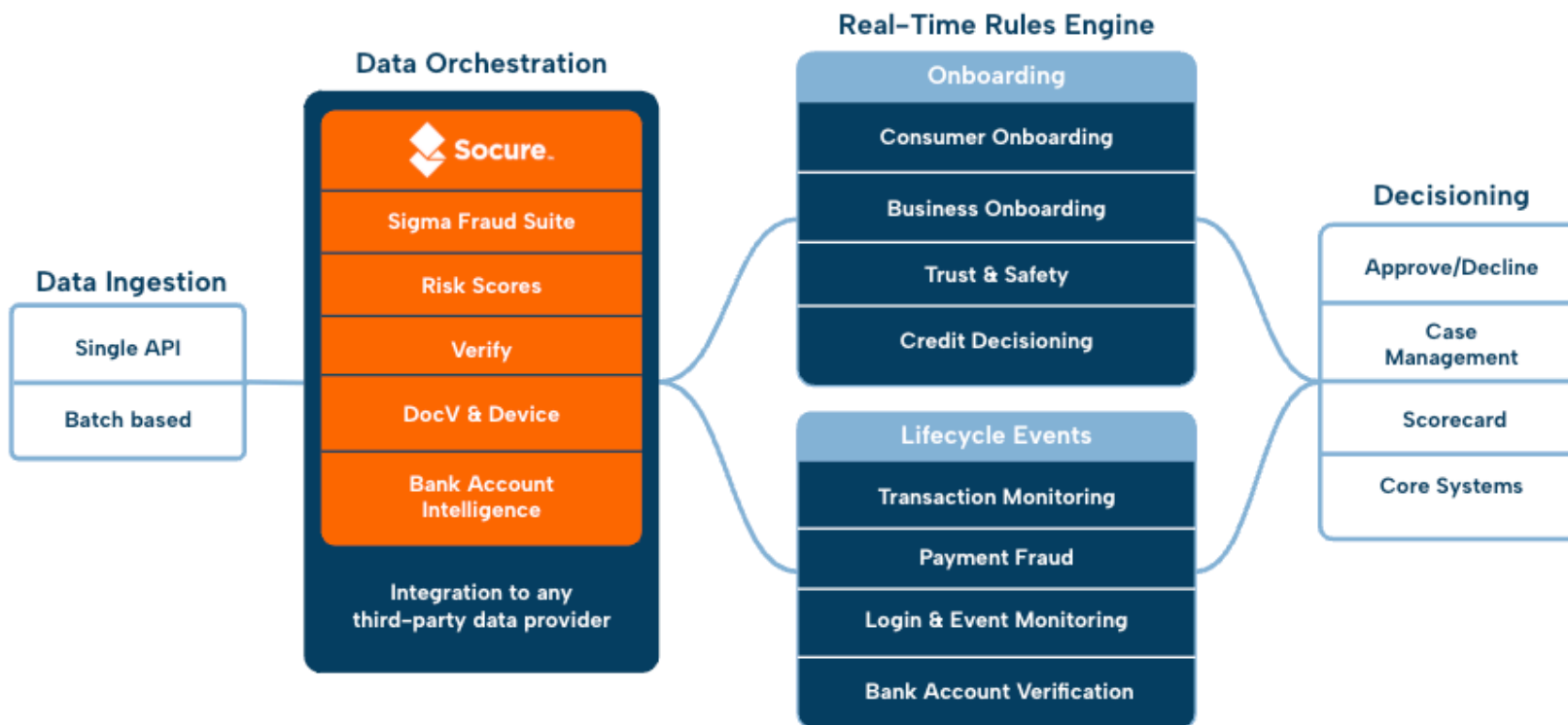
2000+ pre-built features

ML models

Templated workflows

GenAI agents

50+ pre-integrated data products



Consumer Onboarding Workflow

Trust & Safety

Consumer Onboarding

Business Onboarding

Login/ATO

Bank Account
Verification

Comprehensive identity verification, fraud detection, watchlist, digital intelligence and DocV checks to reduce friction for low-risk users, and dynamically step up for higher-risk scenarios.

1

Check the health of the device and behavioral analytics as a low cost, low friction screening step:
Digital Intelligence



2

Verify consumer PII and Name, DOB, SSN match against the Social Security Administration Database:
Verify+, eCBSV



3

Check the consortium for any flagged first-party, third-party, and synthetic fraud offenders:
First-Party Fraud, Sigma Identity Fraud, Sigma Synthetic Fraud, Alert List



4

Generate ML model-driven risk correlation scores for consumer Phone, Email, and Address:
Email RiskScore, Phone RiskScore, Address RiskScore



5

In higher-risk scenarios, trigger Document Verification to match consumer PII to physical evidence:
Predictive DocV



Solutions for IDV

Riley Hughes, co-founder and CEO of Trinsic

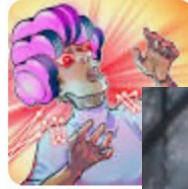


Cointelegraph

AI deepfake tool on 'new level' at bypassing crypto exchange KYC: Report

A new AI tool dubbed ProKYC can create realistic ID documents and deepfake videos that are able to bypass crypto exchange KYC protocols.

Oct 11, 2024



“Ripping” IDs Should Go the Way of CDs...



5 min read · Feb 21, 2024



Analog to Digital Conversion, anyone? “Ripping IDs” to confirm identity should go the way of Ripping CDs...



IDV experts ponder death and resurrection of document verification

Debate picks apart various approaches to, opinions on verifying identity documents

Feb 14, 2025, 2:35 pm EST | [Joel R. McConvey](#)

Uber

Linked

airbnb

tinder[®]

Uber verification program will give riders in 15 cities blue checks

Verified riders will get a blue checkmark that displays by their account in the Uber app, so drivers know they are who they say they are.

LinkedIn Will Now Verify Your Identity and Employer

Forget about Twitter. You can get a LinkedIn check mark, thanks to new partnerships with Microsoft and Clear.

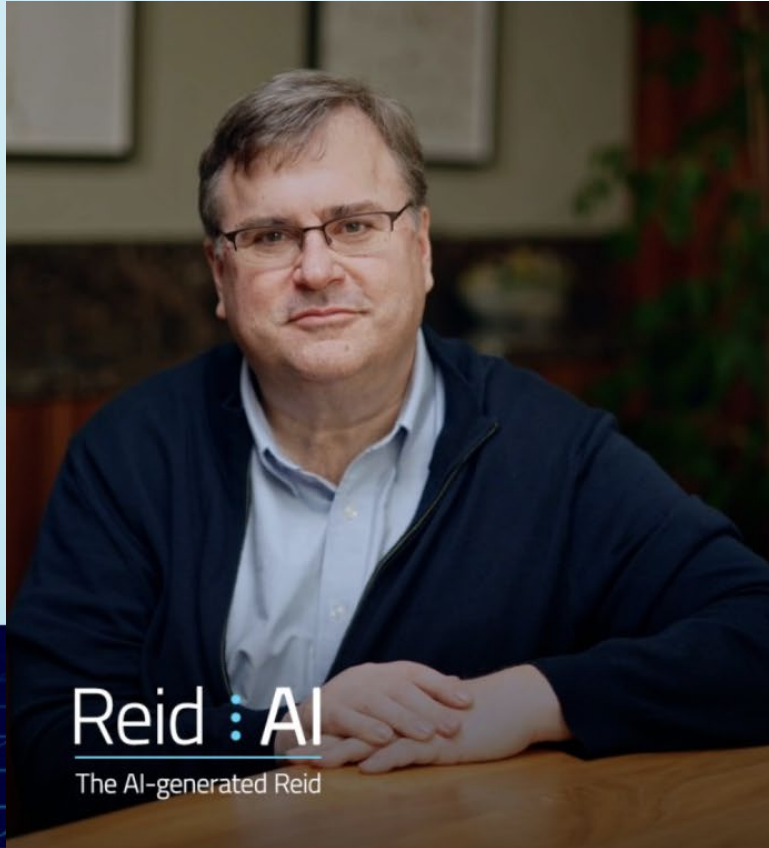
Airbnb is making a simple, but big booking change bringing it closer to hotel check-in

What You Need to Know About Tinder's New Verification Process

Which image was generated with AI?



Which image was generated with AI?



Billions of synthetic identities & agents

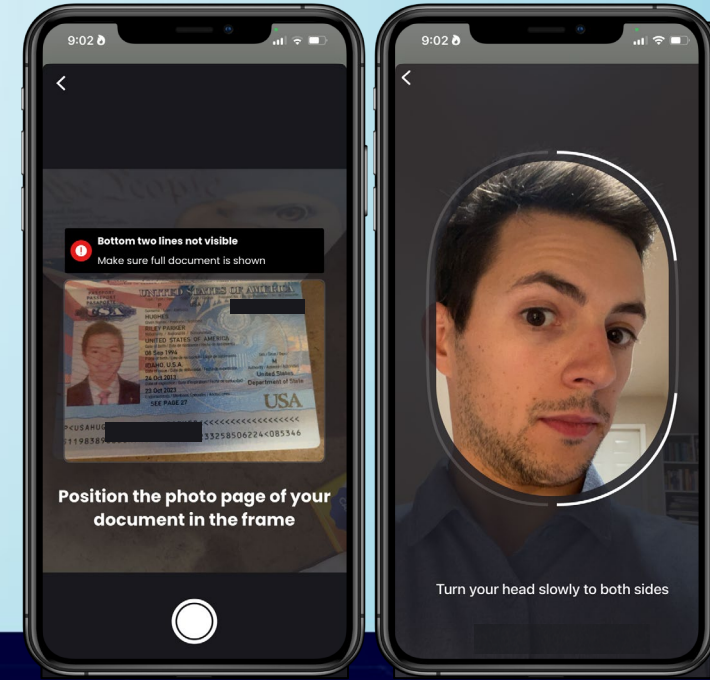
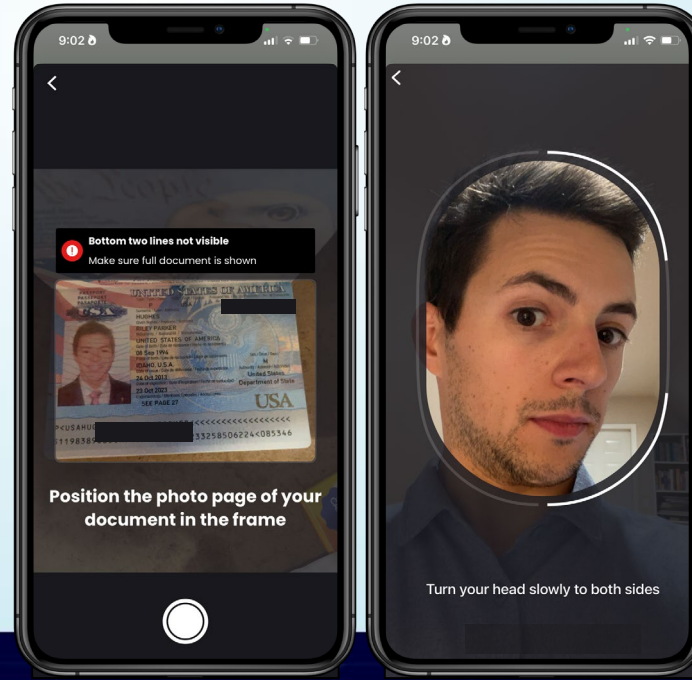
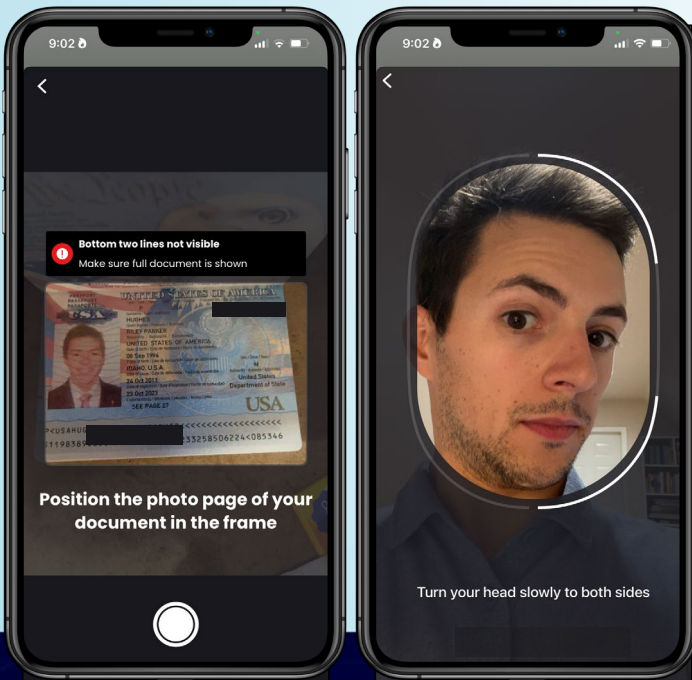


Time to re-verify on every platform

Uber



LinkedIn



Before

After

Retail



Retail

Before



After



Before

After

Retail

eComm



Before

After

Retail

eComm



Before

After

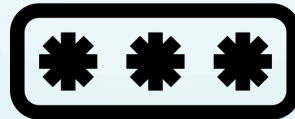
Retail



eComm



Login



Before

After

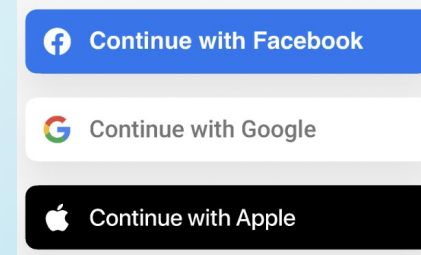
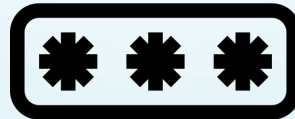
Retail



eComm



Login



Before

After

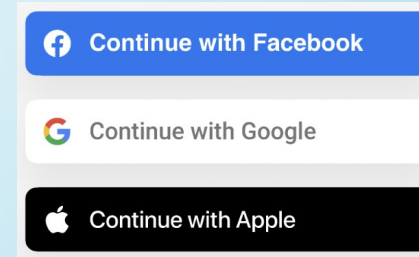
Retail



eComm



Login



IDV



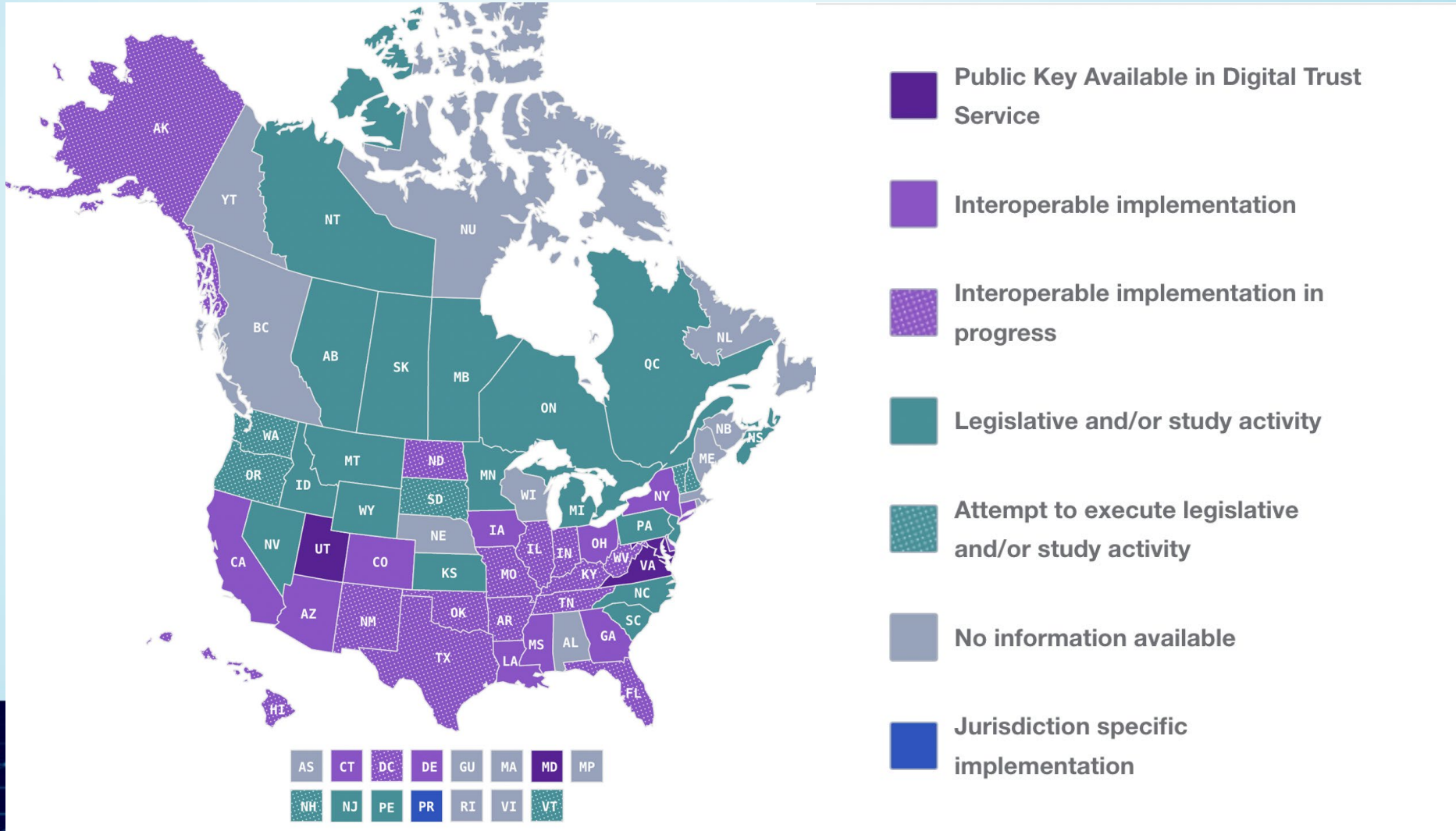
The market is quickly shifting
to digital IDs

Mobile Driver's License Launches by Year

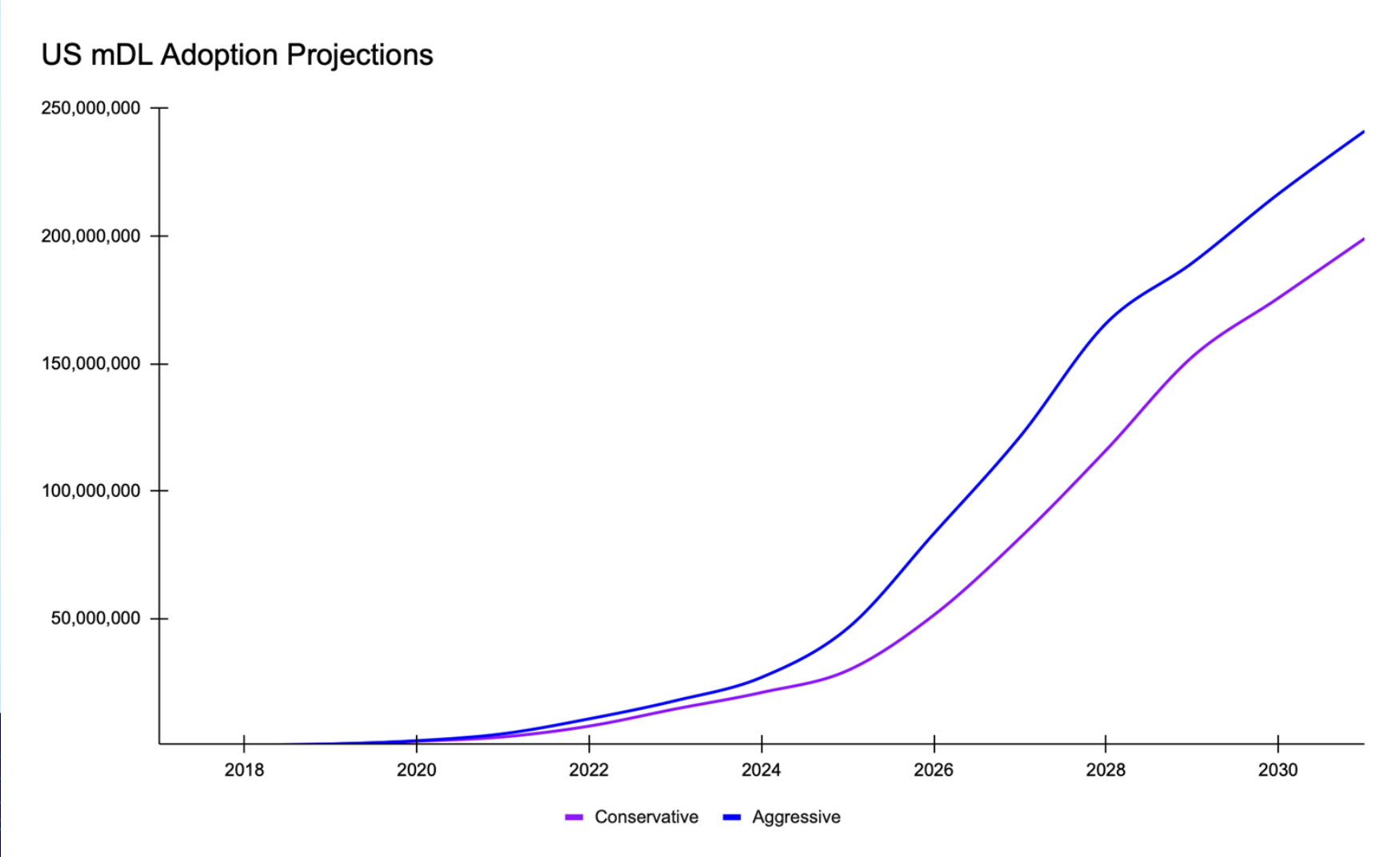
 United States • 27 states



mDLs in development for 75% of Americans



100m state-issued mDLs by 2026



Gartner Predicts At Least 500 Million Smartphone Users Will Be Using a Digital Identity Wallet by 2026

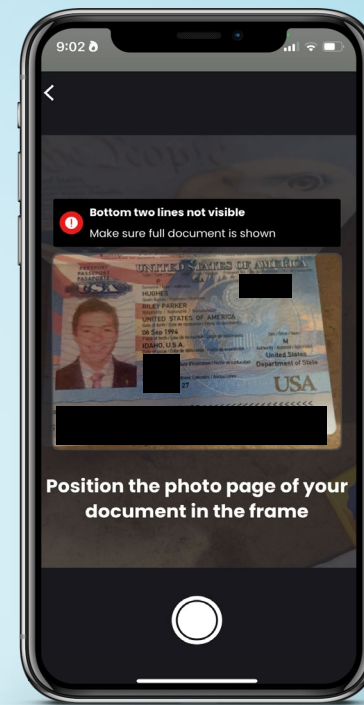
LONDON, U.K., September 24, 2024

The Shift Toward Portable Digital Identity Is Underway

Gartner, Inc. predicts that by 2026, at least 500 million smartphone users will be regularly making verifiable claims using a digital identity wallet (DIW).

DocV Market Size

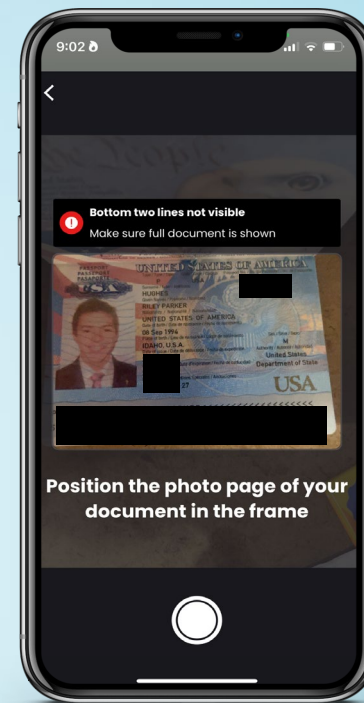
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DocV Market Size



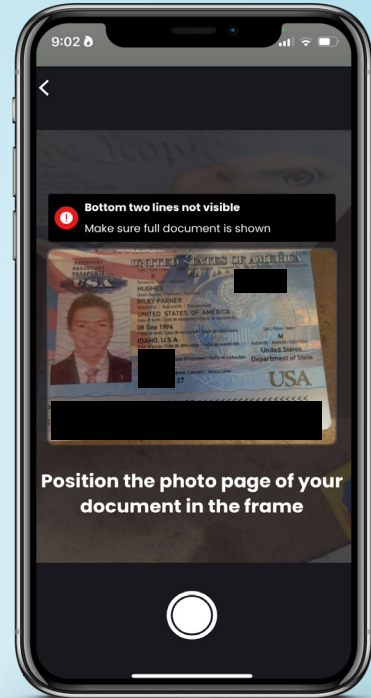
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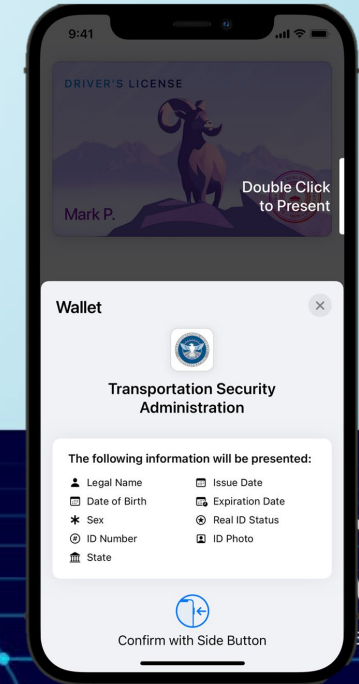
DocV Market Size

Digital ID Market Size

🕒 ~50 seconds



🕒 ~5 seconds



What's New in the World of Digital Credentials



Lee Campbell
Google