Jumping the Identity S Curve

How to Achieve Privacy-Preserving Identity Verification and Federation While Reducing IT and Security Costs

Dr. Tina P. Srivastava

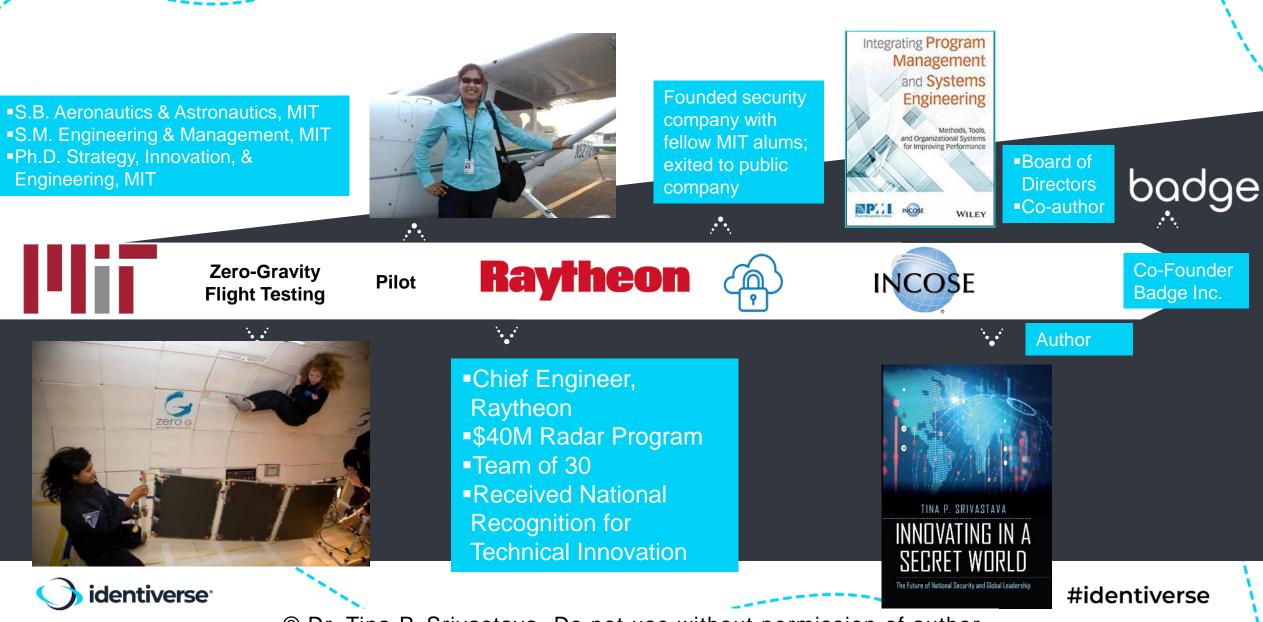
Co-Founder, Badge Inc. Author, *Innovating in a Secret World* badge



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Dr. Tina P. Srivastava



YouTube

aerodynamics



Lecture 2: Airplane Aerodynamics

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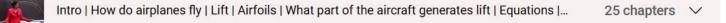
MIT OpenCourseWare

This lecture introduced the fundamental knowledge and basic principles of airplane aerodynamics. License: Creative Commons ...

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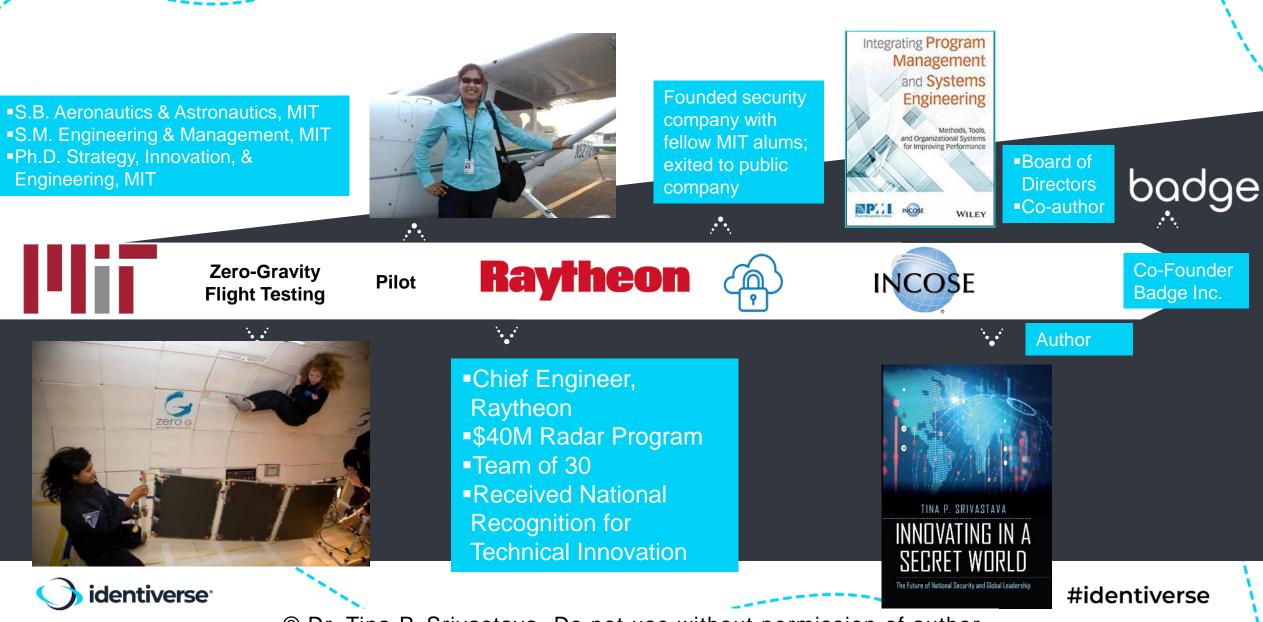
Aerodynamics Explained by a World Record Paper Airplane Designer | Level Up |



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Dr. Tina P. Srivastava







FURTHER READING

Innovating in a Secret World: The Future of National Security And Global Leadership

TINA P. SRIVASTAVA

By Tina P. Srivastava

"Our national security depends on advancements in science and technology," writes Tina Srivastava, a former Raytheon engineer, and now an author, entrepreneur and technology expert. However, "it is no longer enough to

support R&D and expect technology innovation, technological superiority and national security to follow. For the United States to maintain its position requires being the foremost at effectively transitioning R&D investment into technological innovation."

The problem is what she calls "secure U.S. government R&D." It is cloaked in secrecy, and that is at odds with modern means to achieve progress, or what the commercial sector calls, "open innovation strategies." Secret government R&D programs were once highly successful: the Apollo program 50 years ago was one shining example, she writes, but not much has changed in how the government carries out its top secret research.

"While the commercial sector leverages new innova-

tion strategies to great success, the restrictions

endemic to secure U.S. government R&D persist, putting U.S. national security at risk," she writes.

Srivastava ends the book with recommendations on how the government can foster innovation and increase the number of players participating in national security- related research and development. ND

This article is reprinted from the September 2019 issue of *National Defense*



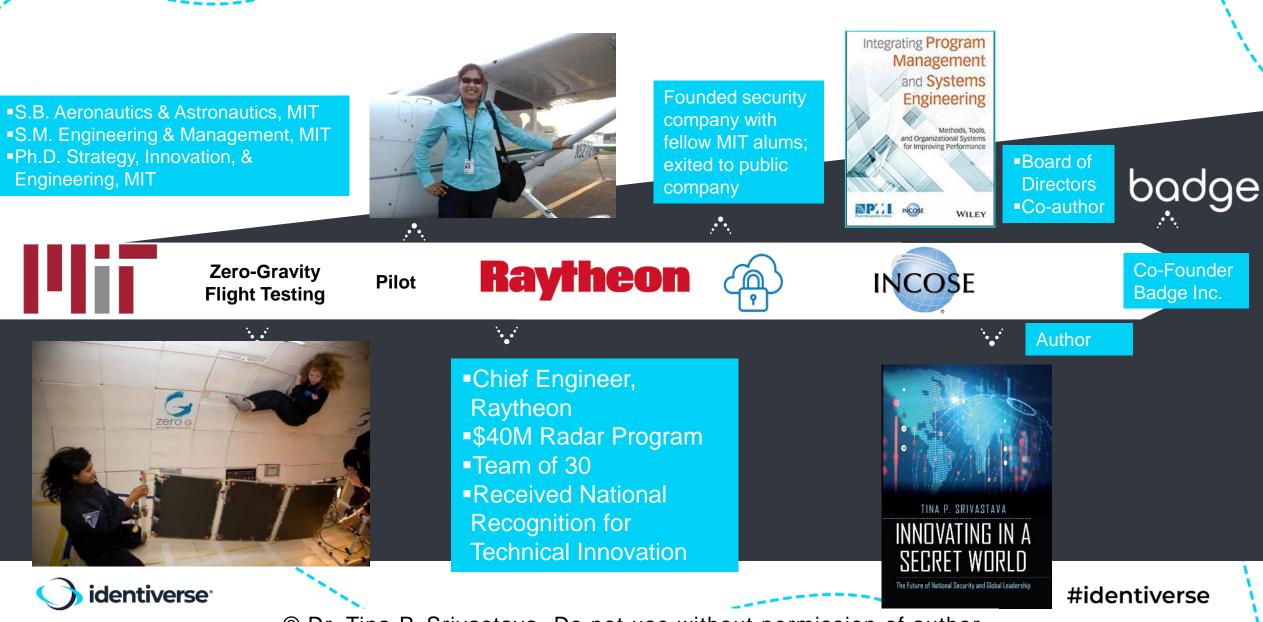
IDEAS MADE TO MATTER | INNOVATION

Why the U.S. government is struggling with open innovation

by Meredith Somers | Sep 13, 2019



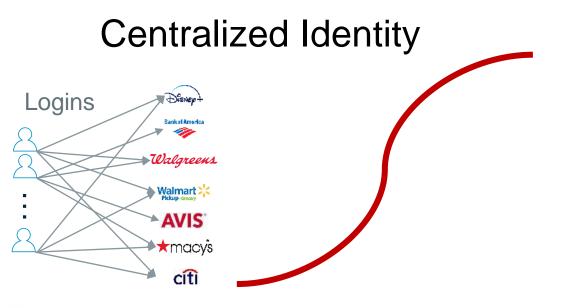
Dr. Tina P. Srivastava



Centralized Identity

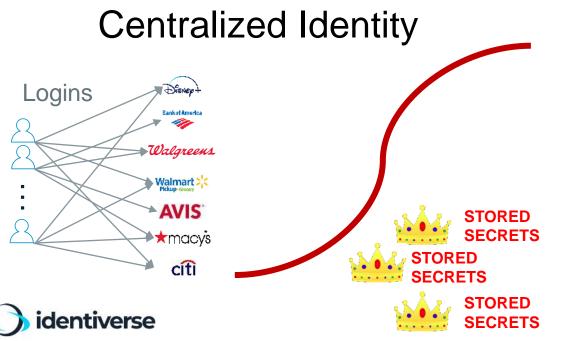


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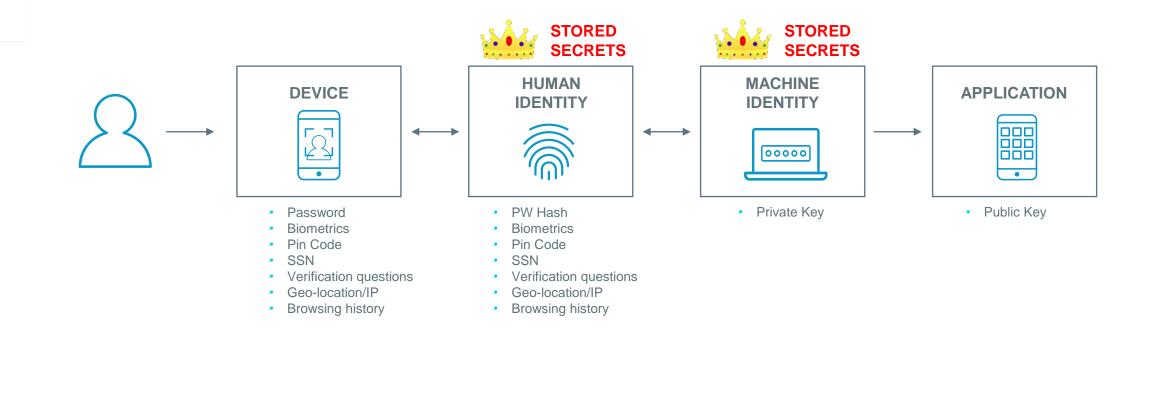
Every person has over **100 digital identities** giving access to banking, accounts, online merchants, mobility platforms, healthcare and online payments

There are over 50 Billion authentications every day

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All authentication today requires vulnerable secret storage

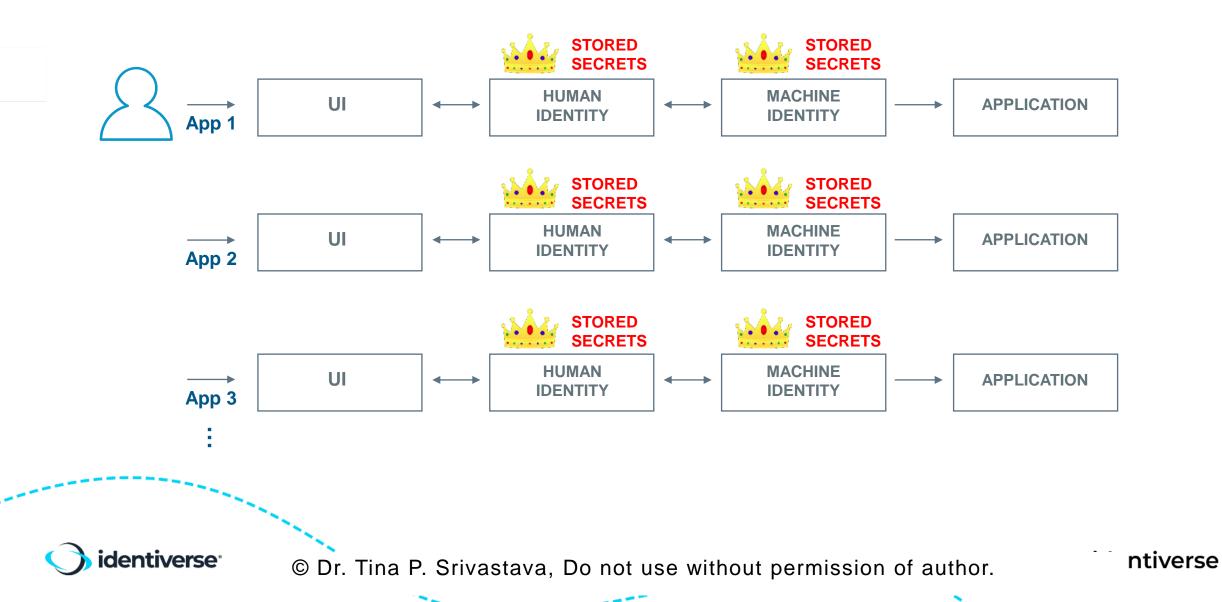


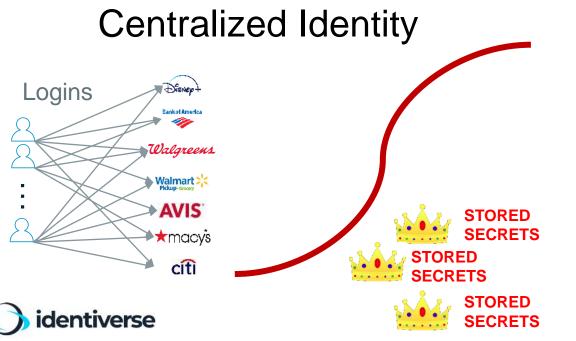
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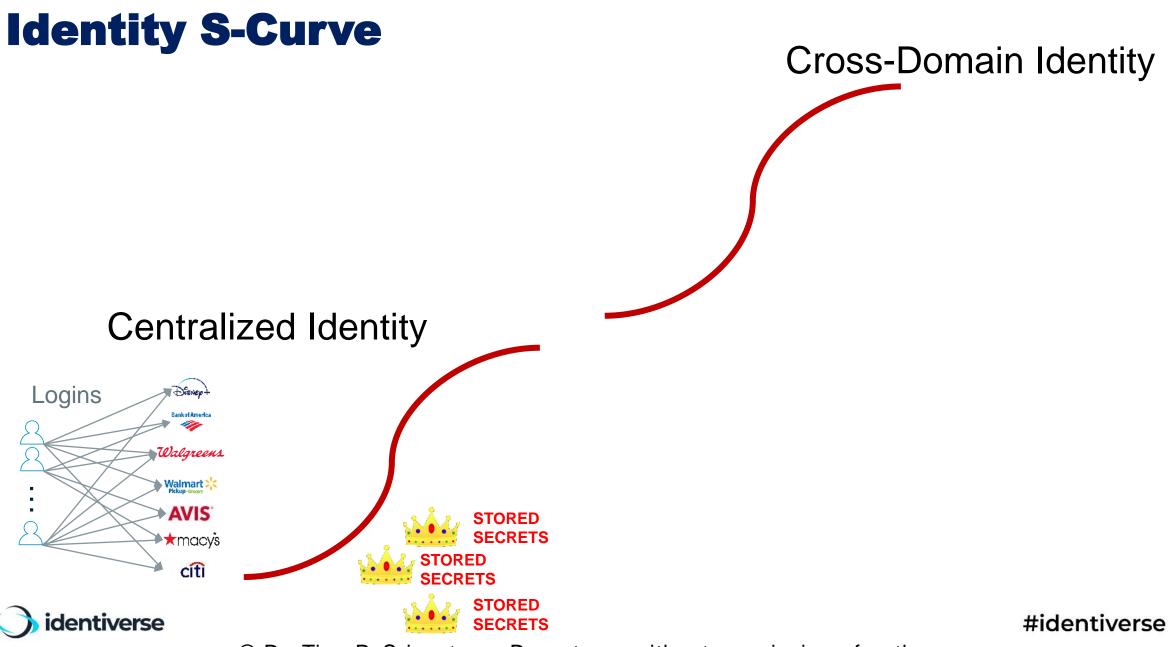
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Storage necessitates silos, user friction





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Centralized Identity

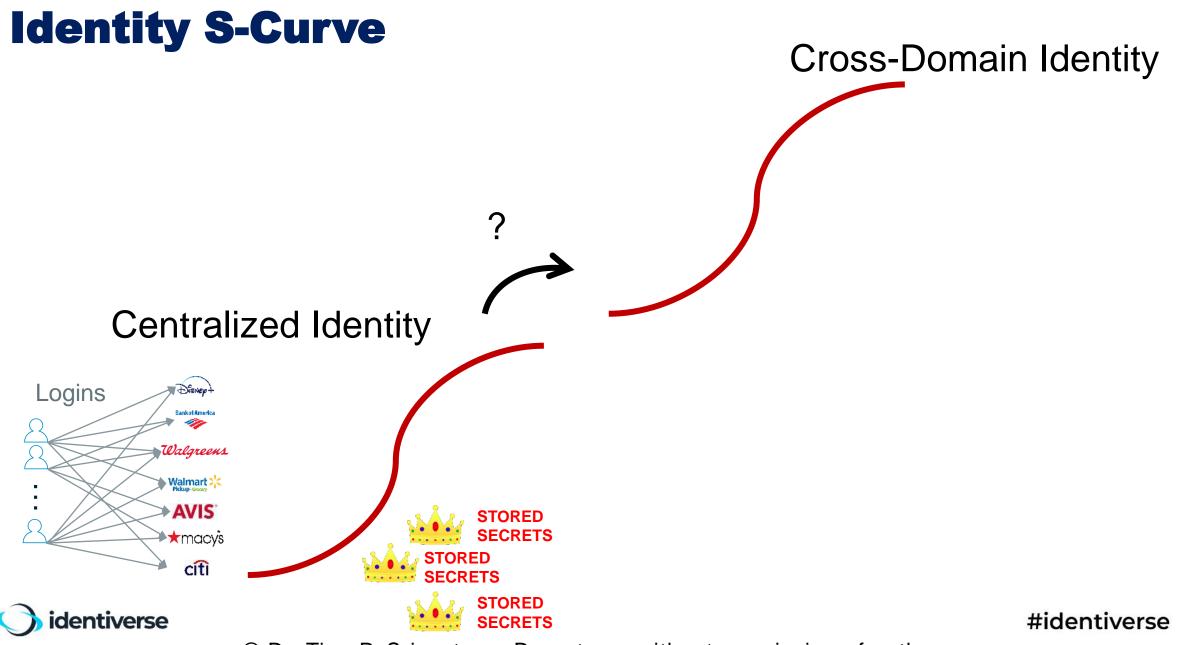
- Consumer has to remember/maintain a digital identity for each product/service
- Each enterprise provides a digital identity to each consumer

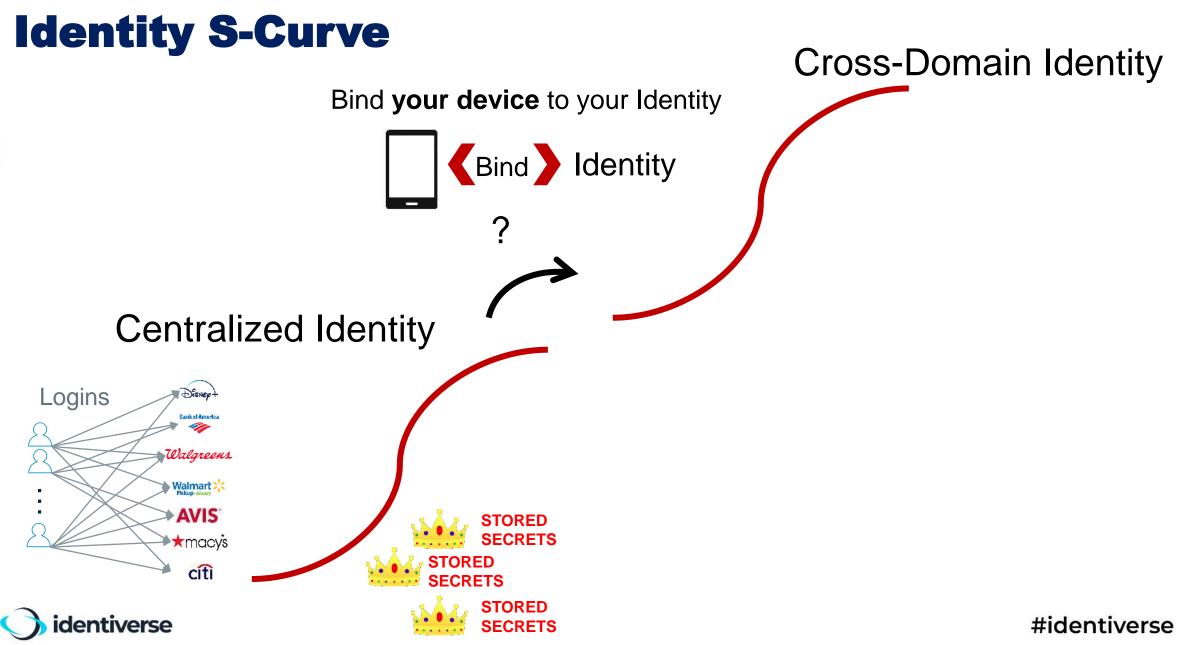


- Consumer chooses a single identity and uses it for multiple products
- Enterprises trust the digital identity



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Bind your device to your Identity



Inclusion, Equitability issues





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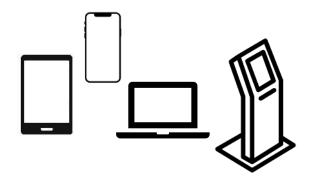
Bind your device to your Identity



Inclusion, Equitability issues



Use cases unsolved





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Roaming user experience is pervasive

- Employees with no dedicated workstation, device-restricted environment
 - Bank tellers
 - Retail workers
 - Healthcare clinicians
 - Call center agents
 - Factory floor workers
 - Transit, etc.

Banking



Healthcare

Manufacturing

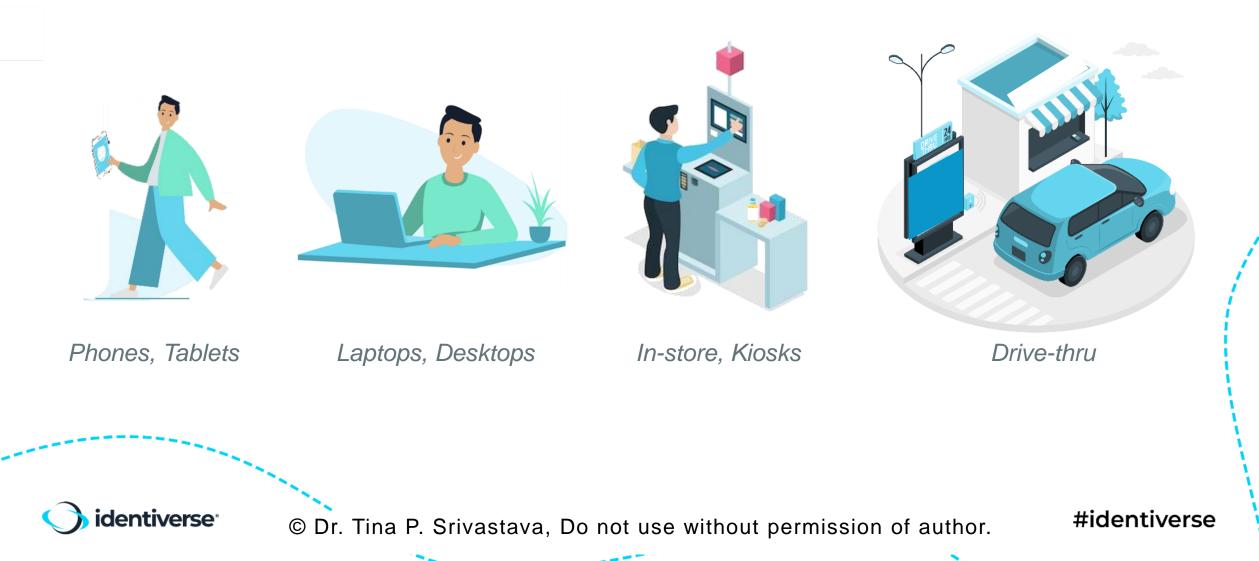


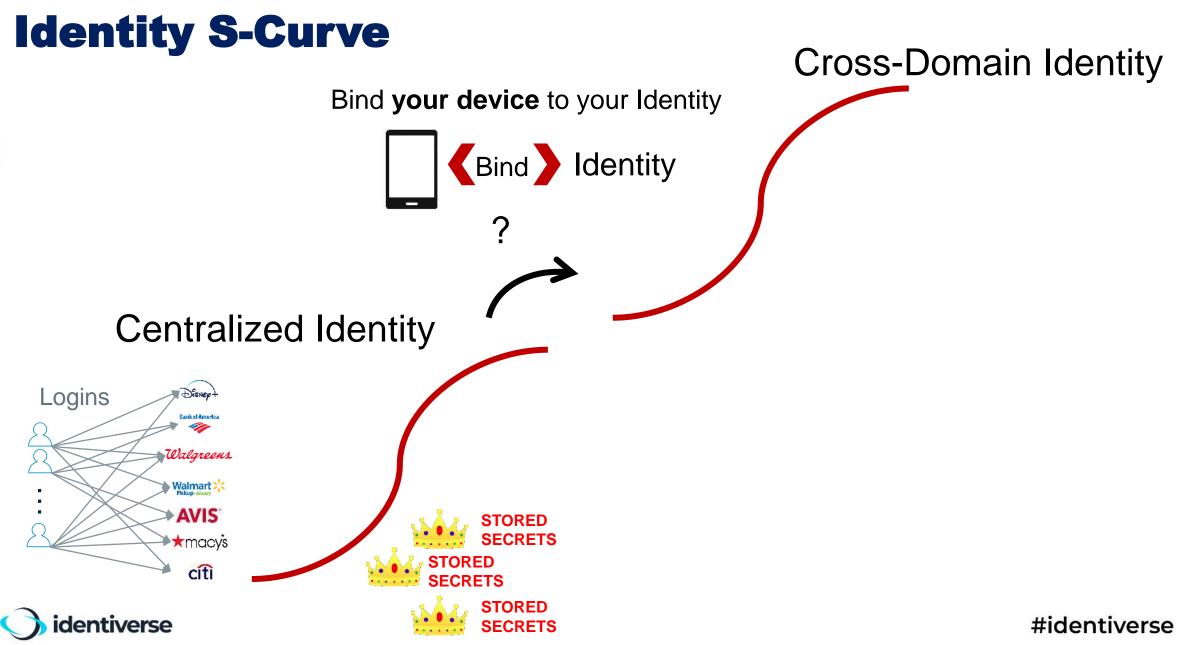


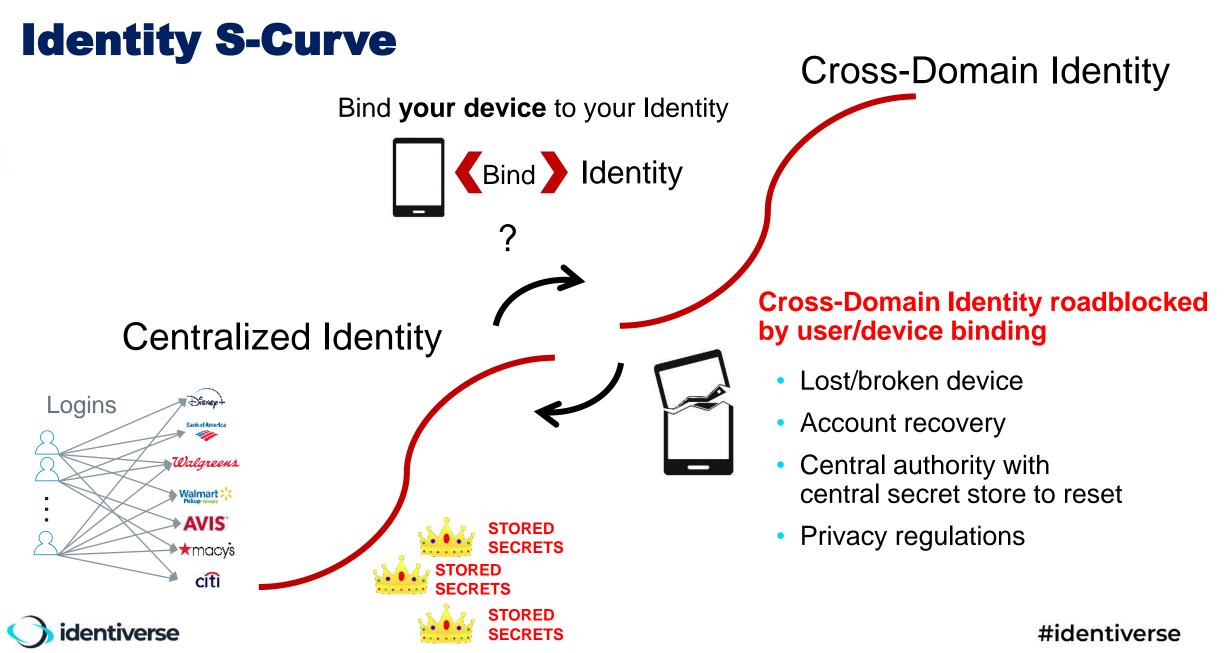
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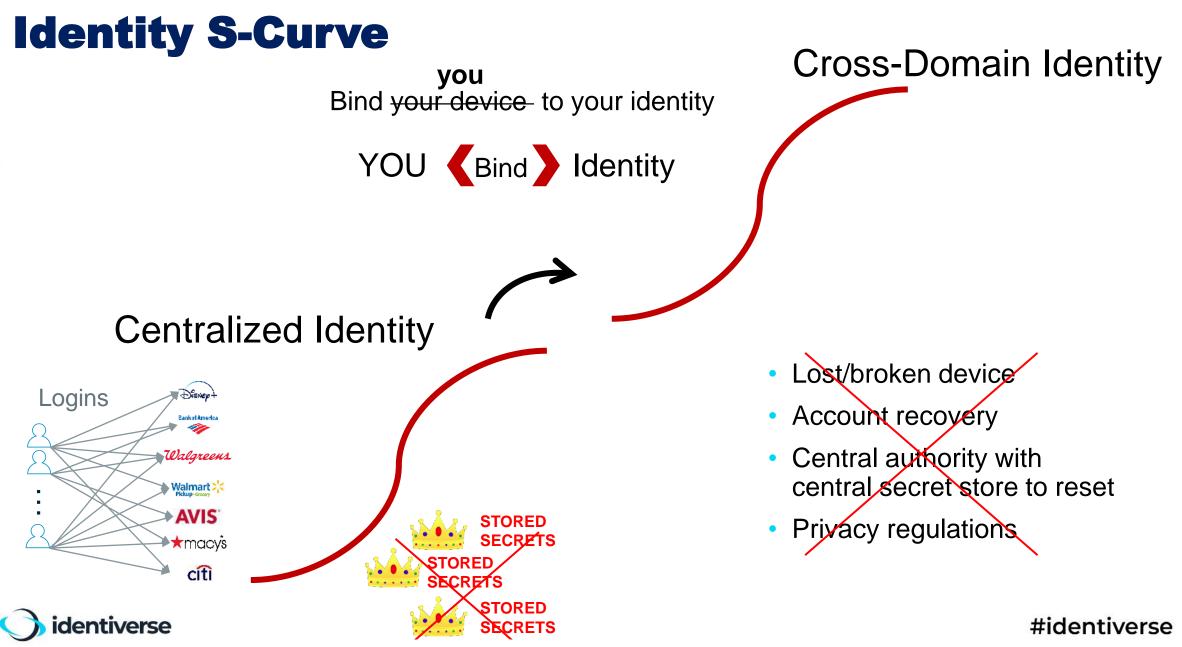
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Customer Requirement: Users must be authenticated on different devices









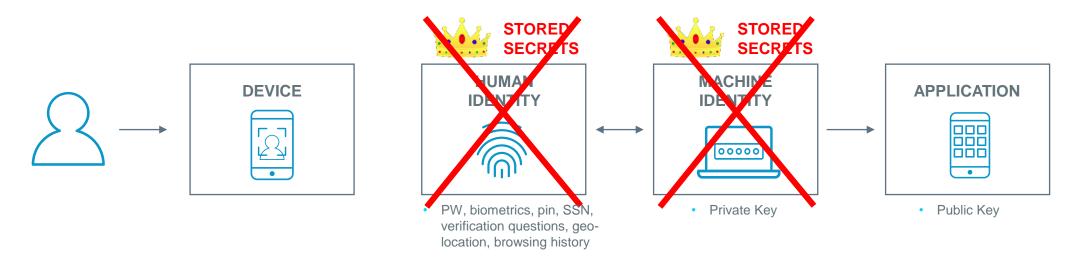
Jumping the Identity S-Curve



Identity without secrets[™]

Badge enables privacy-preserving authentication.

Enroll once and authenticate on any device without storing PII.



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Jumping the Identity S-Curve



Identity without secrets[™]

Badge enables privacy-preserving authentication.



User-Centric Privacy

Authenticate on Any Device

<u>کیار</u> مہارک

Unparalleled Security

Issue and revoke your digital identity and keys on-demand using your biometrics

dentiverse

Enroll once and authenticate on any device without passwords, device redirects, or KBA No secrets or PII to steal! Auto-comply with privacy laws CCPA, GDPR, BIPA

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Jumping the Identity S-Curve



Identity without secrets[™]

Badge enables privacy-preserving authentication.

How to leverage privacy-preserving technologies without disrupting your MFA workflows

Zero-code integration using standard protocols including:





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Ping DaVinci Live Integration with Badge





Badge and Ping

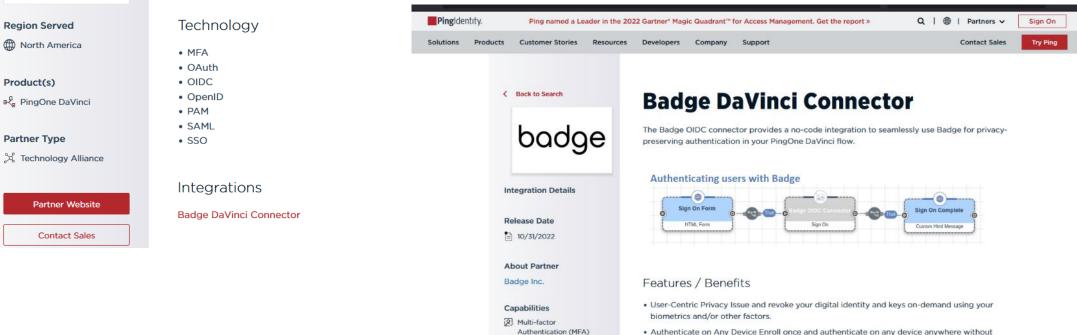


K Back to Search

badge

Badge Inc.

Badge enables privacy-preserving authentication for users to enroll and authenticate on any device without storing PII. This enables user-centric privacy, allowing users to issue and revoke digital identity and keys on-demand using biometrics and/or other factors.



 Authenticate on Any Device Enroll once and authenticate on any device anywhere without passwords, device redirects, or knowledge questions.

baøge

Unparalleled Security No secrets or PII to steal! Auto-comply with privacy laws CCPA, GDPR, BIPA.

Integration Type

Single Sign-on (SSO)

C3 API

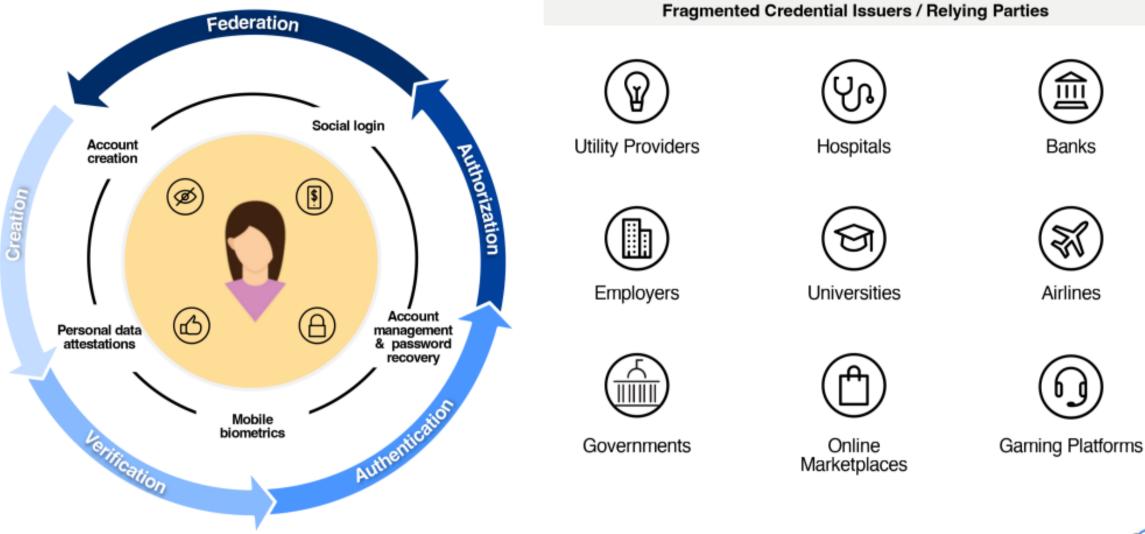
Privacy challenges and the shift to consumer-centric identity

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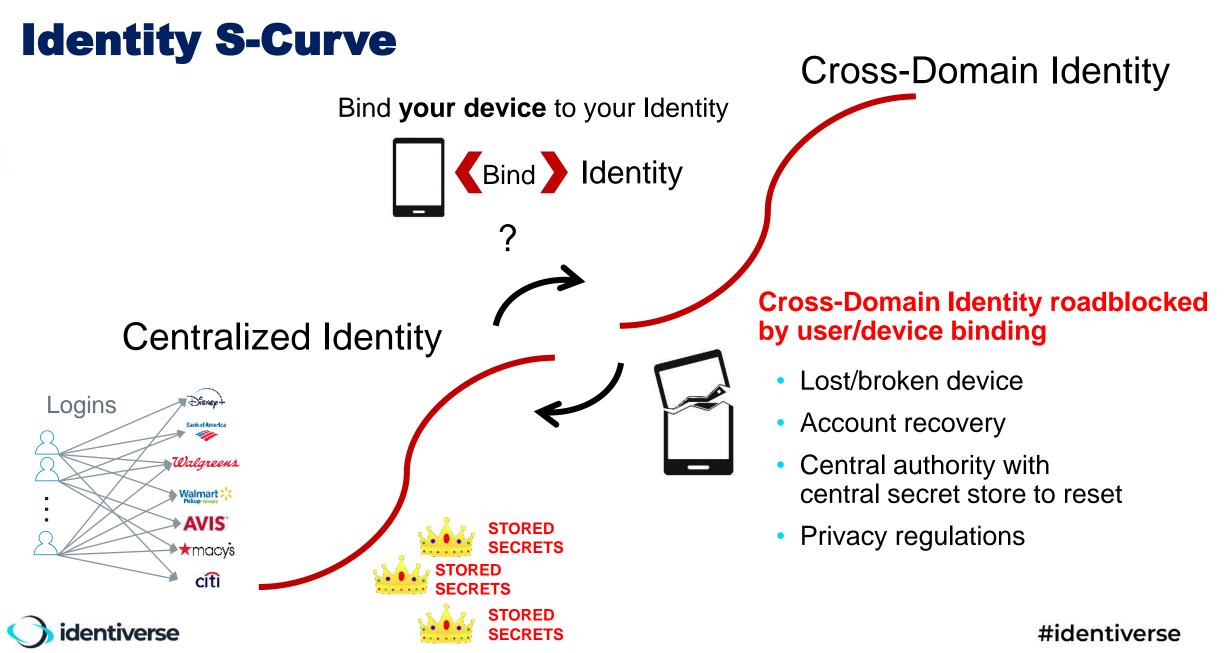
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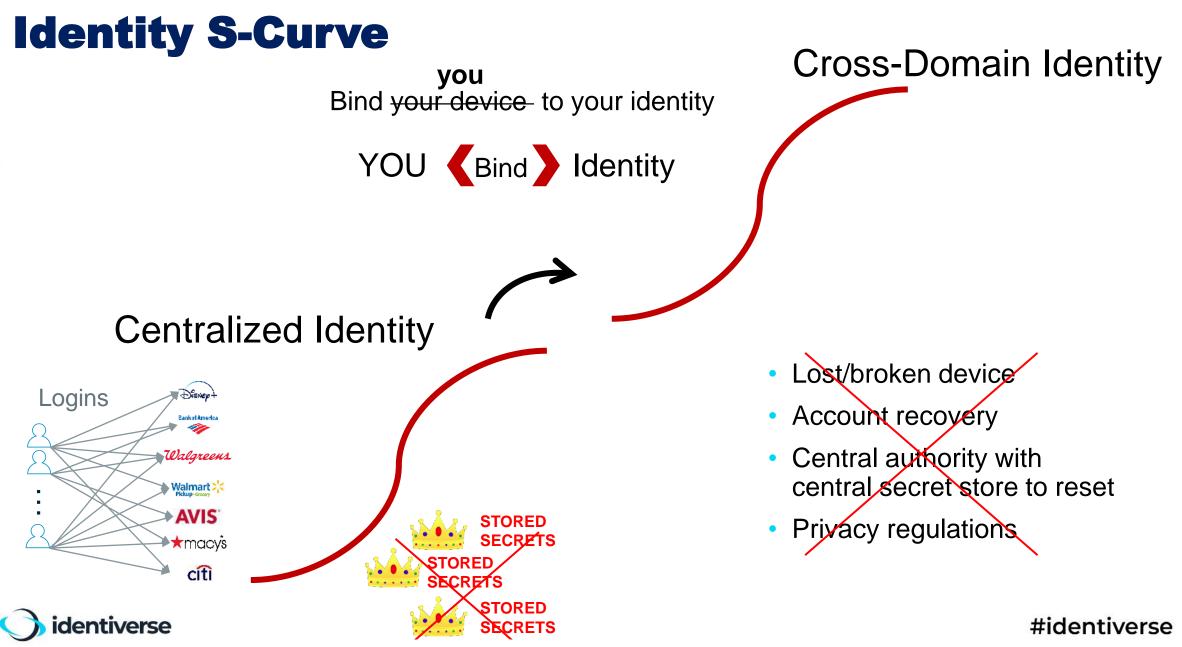
Reusable digital identities must be rooted in the consumer digital identity lifecycle

In order to succeed, reusable digital identities must meet the needs of enterprise and consumer stakeholders across a fragmented landscape that currently forces users to manage separate iterations of this lifecycle for each account they maintain









THANK YOU!

Dr. Tina P Srivastava Co-Founder, Badge Inc.







