THE NATIONAL STRATEGY FOR TRUSTED IDENTITIES IN CYBERSPACE:

AN IDENTITY ECOSYSTEM OF PUBLIC AND PRIVATE ORGANIZATIONS

Mike Garcia, NSTIC Acting Director

michael.garcia@nist.gov

www.nstic.gov

@nsticnpo

A BRIEF THOUGHT EXPERIMENT

Achieving perfection in digital identity requires only three steps:

1. Build the perfect widget

2. Get everyone to use it

3a. Expect it will never break

3b. If it does break, see step 1

NATIONAL STRATEGY FOR TRUSTED IDENTITIES IN CYBERSPACE

Individuals and organisations utilise secure, efficient, easy-to-use, and interoperable identity solutions to access online services in a manner that promotes confidence, privacy, choice, and innovation.

MEASURING PROGRESS

COMMERCIAL ADOPTION

FEDERAL ADOPTION

STANDARD REFERENCE MATERIAL®

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National Institute of Standards and Technology
Technology Administration, U.S. Department of Commerce

THE WHITE HOUSE
WASHINGTON

STANDARDS, TECHNOLOGY,
AND MEASUREMENT SCIENCE

# STANDARDS, TECHNOLOGY, AND MEASUREMENT SCIENCE

- 800-63 updates: gov't foundation for authN
  - Clarity for remote proofing; paving the way for the future
- iGov working group in OpenID Foundation
  - Public sector profile for OpenID Connect
- Advance standards to meet market goals
  - Ongoing efforts to measure identity proofing and authN
- Privacy: engineering approach to managing risk in fed info systems

COMMERCIAL ADOPTION

- NSTIC pilots: 18 and evolving; breaking Metcalf's law
  - 2.3 million impacted individuals, 140 partners, 10 multi-factor authentication solutions, 5 industry sectors

- Identity Ecosystem Steering Group
  - 380 member IDESG; finalizing a self-attestation program
  - May seem American at a glance, but looks to be global

- ID Ecosystem Framework v1 publicly release
  - Baseline policies for "doing good identity" online

FEDERAL ADOPTION
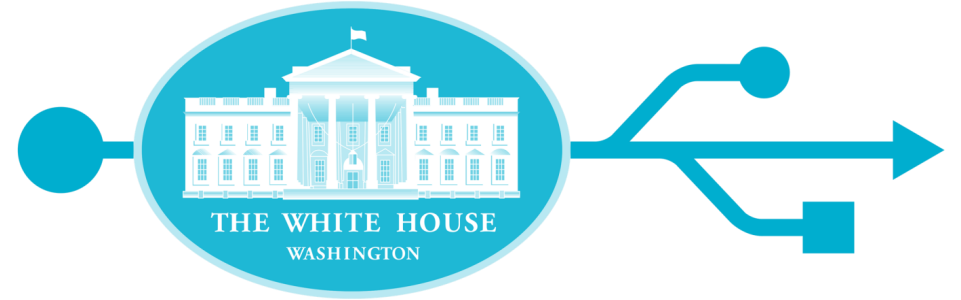
- Connect.Gov
  - Completing pilot phase
  - Establish as default authN approach; continue evolving

- FICAM Trust Framework Adoption Process
  - Streamline processes, increase market responsiveness

- Trust Framework Solutions and NIST guidance
  - Federal policy for bringing commercial identity solutions to the federal space: OMB's M-04-04, NIST SP-800-63, TFS
  - Baseline approach for "doing good identity" with U.S. govt

- Piloting solutions
  - NSTIC pilots
- Organizing for policy
  - Identity Ecosystem Steering Group
- Framework & guidance for trust & interoperability
  - Identity Ecosystem Framework
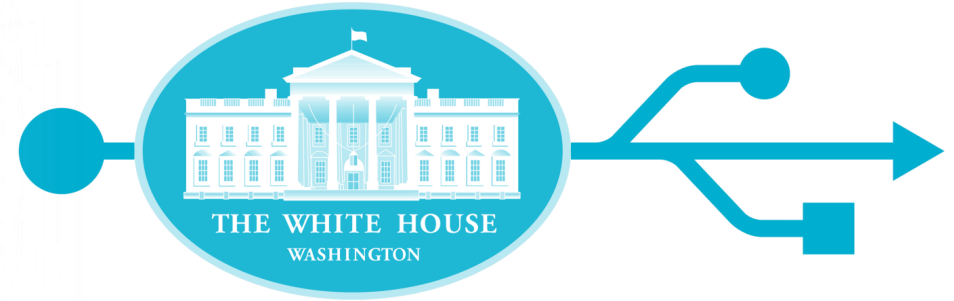
- Piloting solutions
  - Connect.Gov
- Organizing for policy
  - TFPAP
- Framework & guidance for trust & interoperability
  - TFS, M-04-04 and 800-63

GROUND TRUTH

- Some applications require strong authN and effective identity poofing.
  - Taxes, healthcare, banking, and others
- Many require strong authN but no identity proofing
  - Modest payment transactions, public and private
- Many require minimal authN and no identity proofing
  - Blogs, listServs, traditional media, most social media
- These hold regardless of whether public or private

THE IDEAL STEADY STATE...

- ...is not a single solution or single provider of solutions

- The NSTIC is about a marketplace for solutions
  - When solutions break, they can go away
  - When new solutions emerge, they can win

- Goal: not the perfect widget

  but a market evolves faster than it breaks

WHAT ABOUT MOBILE?

- Customers and constituents want to access services when and where they want

- Ubiquity is a goal, so leverage it wherever and however you can

- There is no single solution, but there are ones that have more promise than others

- Users should choose if leveraging MNOs is right for them, but it's a strong bet they have a role to play.

THANKS!

Dr. Michael Garcia
michael.garcia@nist.gov
www.nstic.gov
@nsticnpo