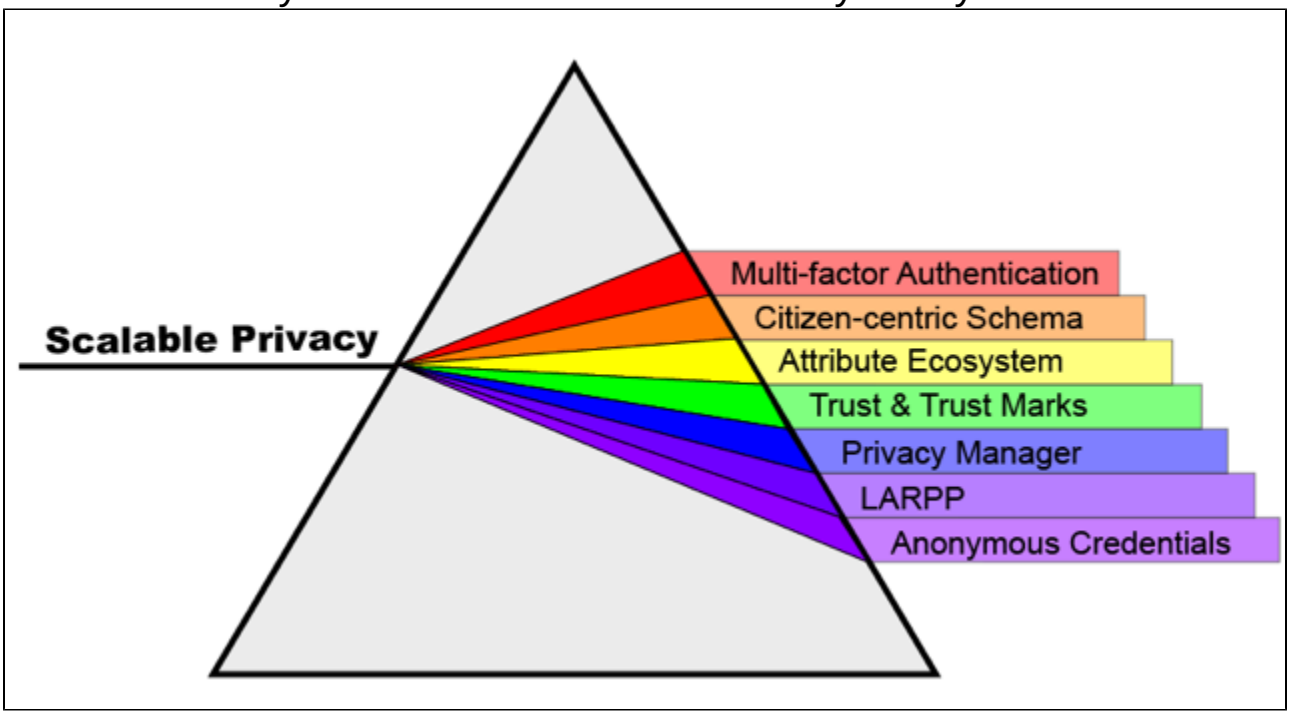
Scalable Privacy

Scalable Privacy: An NSTIC Pilot for the Identity Ecosystem



The National Strategy for Trusted Identities in Cyberspace (NSTIC) initiative is a "White House initiative to work collaboratively with the private sector, advocacy groups and public-sector agencies" with the goal of advancing the "NSTIC vision that individuals and organizations adopt secure, efficient, easy-to-use, and interoperable identity credentials to access online services in a way that promotes confidence, privacy, choice and innovation." The Internet2 Scalable Privacy Project (**ScalePriv**) is one of five pilot projects to receive funding from the first round of pilot funding in September 2012. The ScalePriv Project contains several major thrusts around identity and privacy, including a focus on:

1. Promoting the adoption of Multi-factor Authentication (MFA) across Higher Education institutions.
2. Attribute ecosystem development: Attribute registries, bundles and entity categories.
3. Citizen-Centric Schema.
4. Privacy Manager.
5. Anonymous Credentials.
6. Lifestyles of the Attribute Rich and Privacy Preserved

Scalable Privacy Project Overview (PDF)

Scalable Privacy Website

Key focus areas of the ScalePriv Project

1. Multi-Factor Authentication

- Multi-Factor Authentication (MFA) in Higher Education – MFA Cohortium and Pilots. This is the original starting page for the two key thrusts within the MFA project focus area.
- MFA Cohortium - Current primary website for the MFA Cohortium effort

2. Trust and the Attribute Ecosystem

- Attribute Ecosystem slides (working draft)
- Working flows redux
- Ways of Looking at the Attribute Ecosystem (working hyper-poem)
- A browsable Multi-Schema Attribute Registry (V1.1) has been developed as part of this project.
  - Overview of the Attribute Registry
  - The information is also available in the form of a spreadsheet and a Protégé ontology project.
  - Motivating document: "Requirements on an Attribute Registry" (draft-johansson-areg-reqs-01)
- LoA Profile Registry

Entity Categories

- R&S Category Bundle from InCommon
- SWAMID Entity Categories
- The Entity Category Attribute Specification (draft-macedir-entity-attribute)

Periodic Table of Trust Elements

- Read Me (pdf)
- Periodic Table (pdf, draft 8-Nov-2013)
- NSTIC Principles and the Trust Elements they invoke - overview (pdf)
  See http://www.idecosystem.org/page/adherence-nstic-guiding-principles
  1. Identity solutions will be privacy-enhancing and voluntary. (pdf)
  2. Identity solutions will be secure and resilient. (pdf)
  3. Identity solutions will be interoperable. (pdf)
  4. Identity solutions will be cost-effective and easy to use. (pdf)
- Accessibility Mark (candidate) *(pdf)*
- InCommon Trust Framework (candidate) *(pdf)*
- R&S (Research & Scholarship) Trust Mark (candidate) *(pdf)*

3. Citizen-Centric Schema

- Citizen-centric Overview/Latest slides (latest working draft, presented to NIST mid-May 2013)
- Citizen-centric Overview/Status slides (Feb 2013)
- Annotated Use Cases
- Accessibility Support (User-Managed Access for the Global Public Inclusive Infrastructure (UMA for GPII)

4. Privacy Manager

- Privacy Manager Overview/Status slides (working draft)
- CMU Tech Report, Warning Design Guidelines, Bauer et al
- Informed Consent and Privacy Management

5. Lifestyles of the Attribute Rich and Privacy Preserved

- LARPP Overview

6. Anonymous Credentials

- Anonymous credential slides (working draft)

Supporting and Reference materials

- **Use Case Library**
  - User Experience
- **Useful reference documents**