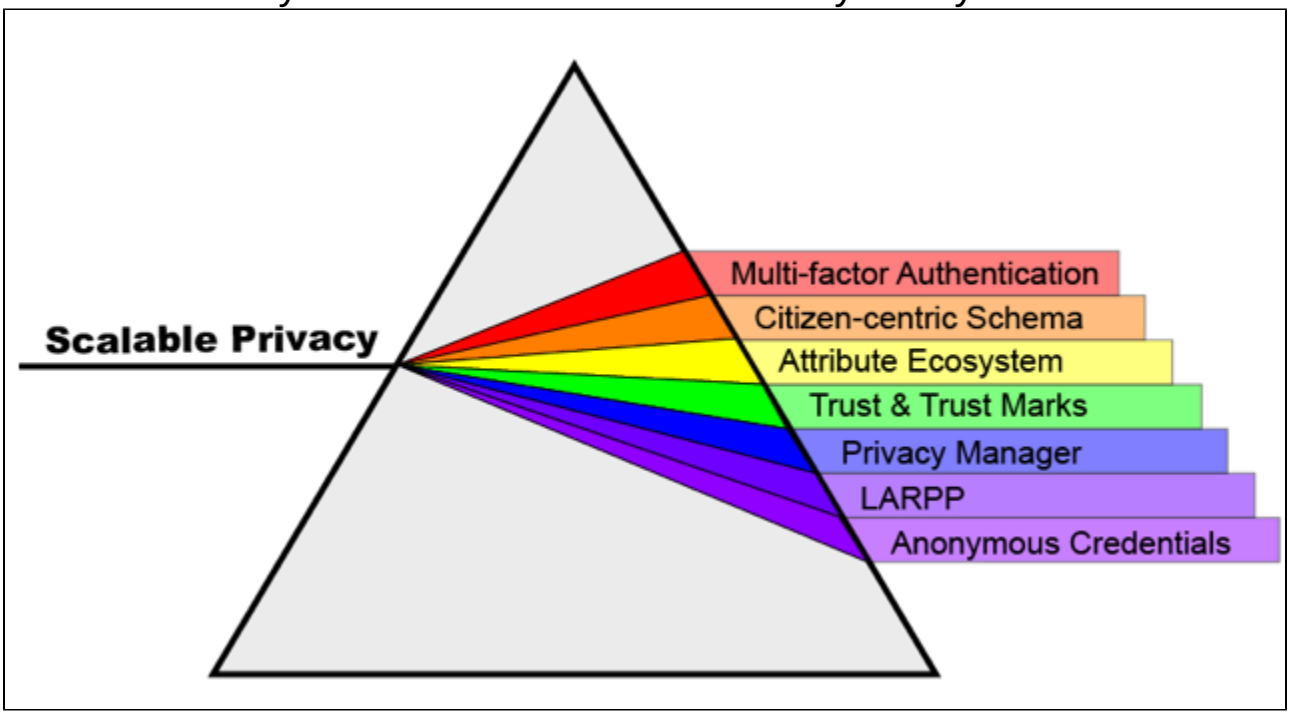
# Scalable Privacy

## 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**