

# 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**