

# Community Contributions

---

This page contains community contributed work and experiences. Please add a child page and link it into the list below.

## Table of Contents

- [Table of Contents](#)
- [Tools](#)
- [Implementation Examples](#)
  - [Certified Identity Provider Organizations](#)
    - [Bronze/Silver](#)
    - [Bronze](#)
  - [Other Examples](#)
- [Use Cases](#)
  - [CILogon](#)
  - [InCommon Operations](#)

## Tools

[AD Silver Cookbook](#) - Alignment of institutional Active Directory with InCommon Silver

[Multi-factor Considerations](#) - Using multi-factor authentication to address InCommon Silver requirements

[Remote-Proofing Approaches](#) - Approaches under consideration by Silver-aspiring schools.

[Documentation Examples](#) - Examples of documentation for demonstrating IAP compliance.

[Password Entropy Calculators](#)

[Value Propositions for Assurance](#)

[International Assurance Resources](#)

[Counting Failed Logins](#)

## Implementation Examples

### Certified Identity Provider Organizations

Bronze/Silver

Virginia Tech: [Assurance Implementation Example](#)

- [Virginia Tech InterOp Testing](#)
  - [Preliminary Information on IdP Configuration from Virginia Tech's Interop Testing](#) (Scroll down to Assurance section)
  - [VT Assurance Testing](#)

University of Chicago, ["The Chicago Approach to Identity Assurance" \(PDF\)](#) presented by Dave Langenberg at Identity Week 2013

Bronze

Harvard University

- [Harvard University Executive Summary: Setting a Standard for Both Security and Convenience](#)
- [Harvard University Bronze Self Certification document](#)
- [Enhancing the Harvard Authentication System to Support InCommon Bronze](#)
- [IdDB and LDAP Specifics Determining "Member of Community" Status](#)

University of Nebraska Medical Center (UNMC)

- [UNMC Management Assertions for Bronze](#)
- [UNMC Public Identity Management Site](#)

University of Maryland Baltimore County (UMBC)

- [UMBC Management Assertions/Gap Analysis \(Google Doc\)](#)
- [UMBC Retriever Community \(IdM system\) Overview \(Google Doc\)](#)
- [UMBC uses DUO for Two-Factor Authentication](#)

### Other Examples

[UW-Milwaukee Testing Information](#)

[CIC Implementation](#)

[IdP Configuration for Username-Password with Silver Assurance](#)

**To add your implementation example:** When adding an implementation example or case study, consider using the wiki template available. To use it, click on *Add Page* and click on *Select a page template to start from* at the top left of the new blank page. You should see a list of templates appear. Click on *Assurance Implementation Example* and NEXT and the outline will appear in your edit window. To review the outline before creating the page, click on [Assurance Implementation Example](#).

## Use Cases

### CILogon

[CILogon](#) enables greater access to cyberinfrastructure (CI) using higher level of assurance credentials from InCommon identity providers. A 2009 technical report ([pdf](#)) provided an early mapping from InCommon Bronze and Silver to International Grid Trust Federation (IGTF) requirements. Many CI providers around the world, such as [TeraGrid](#), [Open Science Grid](#), and the [LHC Computing Grid](#) rely on IGTF standards. The [CILogon Silver CA](#) is an IGTF accredited service that is ready to provide IGTF compliant certificates to researchers based on their InCommon Silver credentials, once InCommon members have been certified at the Silver level. The [Roadmap for Using NSF Cyberinfrastructure with InCommon](#) provides additional information about the value of campus authentication (via InCommon) to CI, including the role of the CILogon service.

### InCommon Operations

The InCommon Federation Manager (FM) and the InCommon Certificate Manager (CM) are two high-profile web applications that require strong authentication (but not necessarily Silver). An analysis of the [assurance requirements](#) of the FM and the CM indicates the need for an assurance profile that rationalizes Bronze requirements in the presence of two-factor authentication.



*Participant organizations have provided the content described on this page. Using these practices does not guarantee certification in the InCommon Assurance Program.*