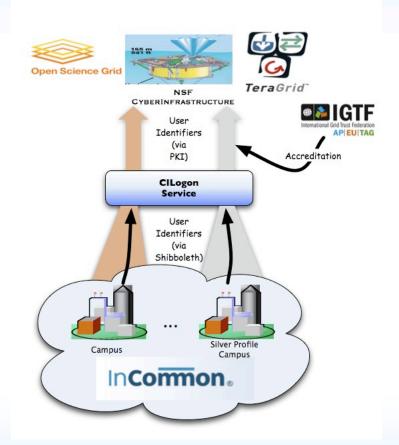


CILogon Certificate Authority

- Facilitate campus login to NSF CI
 - Leverage researchers' existing identities at their home institution
 - Ease identity management for researchers and CI providers
- Bridge from:
 - Identity credentials issued by research institutions participating in the InCommon Federation using Shibboleth/SAML web browser single sign-on
- Bridge to:
 - X.509 PKI credentials that satisfy the requirements of NSF CI projects



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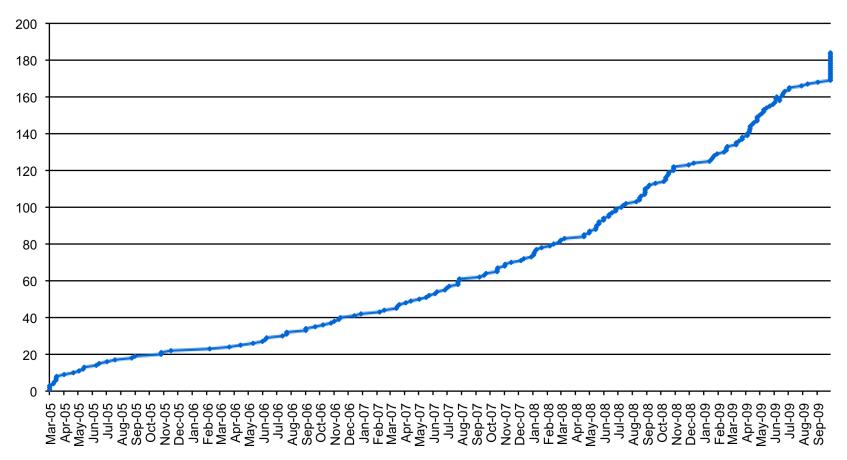
InCommon Federation

 An organization of higher education and research institutions that defines standards and policies for exchange of user identity information

http://www.incommonfederation.org/



InCommon Federation Membership Growth



Number of institutions in InCommon, showing growth from 2005-2009. InCommon today federates over 160 universities and represents over 3.6 million users. (Image courtesy InCommon.)



InCommon Silver

- Identity management policies and procedures differ across InCommon members
- InCommon Silver Identity Assurance Profile defines common standards for identity vetting, system management and security, recordkeeping, revocation, audits, and name management
 - Pilot adoption underway by InCommon members
 - Scheduled for production in Fall 2010
 - http://www.incommonfederation.org/assurance
 - Consistent with NIST SP 800-63 LOA 2



InCommon Silver

- InCommon Silver satisfies IGTF requirements
 - Recall my presentation at the last TAGPMA F2F meeting
 - http://sl.cilogon.org/incommon-slcs-map.pdf
- We will operate two CAs:
 - Basic level and Silver/IGTF level



NCSA GridShib CA	CILogon CA (IGTF/Silver instance)
Identity Vetting: TeraGrid Allocations Process	Identity Vetting: InCommon Member Institutions
IdP Vetting: Individual agreements between NCSA and IdPs	IdP Vetting: InCommon Silver accreditation process, including audits
Certificate Subject Common Name: Full Name from NCSA User Database Plus serial number to uniquify	Certificate Subject Common Name: Full Name from SAML attributes Plus ePTID (?) to uniquify
User Community: O(10k) NCSA users from O(500) institutions	User Community: O(10k)+ NSF CI users from O(2k) institutions
Software: MyProxy, GridShib CA, Shibboleth	Software: MyProxy, GridShib CA, Shibboleth
Location: NCSA machine room	Location: NCSA machine room plus offsite instance for load balancing / fail-over
HSMs: SafeNet Luna PCI	HSMs: netHSM (vendor TBD)



NCSA GridShib CA Demo

https://go.teragrid.org/



Project Timeline

- September 2009: Project Start
- April 2010 (Planned):
 - Prototype Service Deployed
 - TAGPMA accreditation
- September 2010 (Planned):
 Operational Service Deployed
- Next Steps
 - Will start writing CP/CPS soon
 - Need TAGPMA reviewers

