

Trust and Identity Initiatives (T/Id)

Report to the ISOC Board of Trustees, March 2009 (IETF 74)

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Our major focus in 2009 will be on Identity as we seek to educate end-users on the critical importance of user managed identity. A secondary focus on current trust enabling protocol efforts will establish the basis for Architecture and Trust work which will take center stage in 2010. Our key Messages:

- Network Confidence:
There is a clear distinction between a trusted network and network security.
- ISOC will provide reliable information on trust enabling network technologies and will establish the importance of network trust as a long term solution to the issues that underlie many of the current concerns about cyber-security
- User Managed Identity:
User education regarding identity management is essential to achieving trust in the Internet

The Trust & Identity Initiative has a set of aggressive goals, covered below, that will further these key messages and align with the Strategic Objectives for 2009:

- a) Develop a concrete and concise definition of the Internet Model and implement a comprehensive communications plan to embed in users/served markets.
- b) Advance and be seen to be advancing the health of the Internet.
- c) Develop Future Internet Leaders: Grow and strengthen the pipeline of Internet leaders to enhance the base of support for the Internet Model and Internet development principles.
- d) Develop additional funding sources to accelerate and diversify ISOC's revenues and reach in pursuit of its Mission.
- e) Strengthen our Chapter and Member Structure to enable partnerships across ISOC that strengthens and enhances our ability to deliver to our strategic objectives and ISOC's mission.

In support of these objectives, our 2009 goals will ensure that Trust and Identity will be common, understood terms in Internet dialogs and that ISOC's work will provide case examples of both exemplary service to the Internet and of the successful integrations of new technologies as we focus attention on the health of the Internet and continued success of the Internet Model.

Trust and Identity 2009 Goals:

By late 2009 there will be a clear understanding of the importance of managed network Identity technologies by ISOCs traditional communities and other stake-holders as measured by their participation in the T/Id consultations and by responses to published reports and tools. ISOC is seeking to elevate "Identity" to a core issue in network research and standards development and ensure that user education regarding identity management is seen as vital to creating a trusted Internet.

- Publish a public report based on a broad consultation with representatives from the Identity technology communities, ISOC members, the IETF, and the IAB. This report will focus on

“User Managed Identity” and will be addressed directly to end-users. The consultation process will serve to build an on-going relationship with identity experts and the published report will open a dialog with end-users. [Q2]

This project requires support from Chapters, Organizational Member, and Communications staff and, after publication, will continue to solicit feedback and engage end-users via an interactive web-site. [a/b/e]

- Submission of a technical report (in the style of an Internet Draft) to the IETF describing the current state of identity enabling technologies and any existing dependencies on IETF protocols. This document will also document perceived gaps in current development. [Q3]

ISOC will seek feed back from the IETF community and the IAB on this report and will include active participants in related IETF efforts such as Oauth and HTTP in our consultations. [b/c]

- Development of a personal Identity Audit Kit including a self-guided test and browser based identity monitoring tools. This activity will also include the development of outreach materials for ISOC Members and Chapters. [Q4]

Staff will seek feedback from the distribution of the beta tools to Members, Chapters and other partners. The Audit Kit development is a contracted activity, and Trent Adams will act as PM [b/c/e]

In preparation for several important Q3 meetings (OECD/ITU) ISOC staff will develop consensus on a high level position on Trust enabling technologies and cyber-security and will carry test messaging on Trust into global policy discussions throughout 2009. ISOC is seeking to establish a clear distinction between a trusted network and network security. We will act as an advocate for the implementation of open trust enabling mechanisms throughout the full cycle of Internet research, standardization, development and deployment. The success of these efforts will be measured by external adoption of our Trust vs Security language.

- Work with ISOC Policy staff to frame discussions on cyber-security to focus on enabling network trust as well as the more reactive security measures. We will define Trust as a key component in solving threats to Internet stability and safety. [on-going]

T/Id will contribute to ISOC alignment on content for regarding so called cyber-security problems. This will be a cross cutting effort with Strategic Global Engagement (Bill Graham), Leslie Daigle (Standards & Technology), Policy (Frederic Donck), and others. [a,b,c,e]

Throughout 2009 T/Id staff will provide input to the high level ISOC Internet Model efforts regarding Trust and Identity technologies and related policy issues. Success will be measured by (initially internal) publication of a shared framework for integrating trust issues into the current model. ISOC will continue to defend the current Internet model by ensuring that trust and identity technologies are global in scope despite regional differences in public perception, policy, and regulation.

- Initiate joint work with the Standards and Technology department on network architecture and emerging research. This work will support the 2010 base line study on Trust and Architecture as outlined in the mid-term goals for this Strategic Initiative as presented in 2008. [Q4]

Achieving internal agreement on a framework document requires participation of the Standards and Technology department and sign-off from Leslie Daigle as ISOC’s Chief Internet Technical

Officer. [a/b]

- Provide sponsorship for an Identity Commons event which will bring together technologists, members of the legal community, regulators, and EU privacy experts (ID-Legal). [Q2]

This activity will dovetail with efforts being conducted in other privacy and identity related forums. Conference participants will be encouraged to build on this initial meeting and this may lead to a larger event in the fall of 2009. This is a shared activity with the Identity Commons but a larger event would require additional partners/support. [b/c/d]

By November 2009 ISOC will have mapped the existing IETF Trust enabling technologies and will deliver a report to relevant technical bodies. ISOC is committed to re-invigorating trust and security issues throughout network architecture through the incorporation of new research and new communities.

- T/Id will develop a taxonomy of trust technologies in the IETF and document their findings in an Internet Draft. [Q3]
Follow-on activity after the publication of IETF draft is expected to require engagement of the IETF Security Area Directors and/or the IAB [a/b]
- ISOC will provide sponsorship for an interoperability event to be hosted by the Internet 2 Shibboleth participants. Interesting candidates for testing include integrating OpenID and information card technologies with existing SAML federation deployments. [Q3]
Output from this event may include both case reports and sample code. This will be framed as a joint activity with Internet 2 and the SAML and Open communities. [a/b/c/]
- Support for a testbed deployment of DKIM within the IN-Common/Shibboleth federations. Based on results, this project may be extended to include development of hands-on training materials and a BCP document. [Q3]
Output will include case reports, research community engagement with relevant IETF working groups, and may also include DKIM integration into the Sympa mail list software. [b/c]

In 2009 ISOC will be recognized as a leading advocate for emerging identity standards. Success will be measured by our acceptance as a trusted member in multiple forums. In support of ISOC's core principals: encouraging open, transparent, interoperable standards as the basis for all Internet technologies.

- Active engagement with existing Identity communities [on-going] [b/c/d]
- Participation on the Liberty Alliance/IDTBD management board. [on-going]
Membership is an interim step taken in support of a new membership organization (often referred to as IDTBD) which will provide a framework for projects and educational efforts across a broad range of identity technologists, privacy experts, and potential deployers of Identity management solutions. [b/c/d]