All-Member Meeting

28 October 2020
10:00-11:00 PT / 17:00-18:00 UTC
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Agenda

› Remarks from John Jordan - 5 min
› Internet Identity Workshop (IIW)
  › ToIP-led sessions - 15 min
  › Member takeaways - 15 min
› Saturn V TIP - progress and announcement (D Gisolfi) - 10 min
› Communications & Operations - Update (David) - 10 min
› Open Q & A (All) - 5 min
Remarks - John Jordan (Executive Director)

- Our work and progress continue to gain attention outside of ToIP
  - Strong presence and interest at Internet Identity Workshop (IIW)
  - Requests to collaborate and clarify missions (Sovrin & OIX)
  - Saturn V TIP announcement and press releases
- This is only going to increase in the coming months as deliverables emerge from our Working Groups and more trust ecosystems take shape
- People are looking to us to understand how credentials and trust can cross technical boundaries, business contexts and ecosystems
- More than ever, now is the time to get involved and help get this work done
Internet Identity Workshop (IIW)

Virtual “open space” event (bi-annual) - Oct 20-22
- Highest-ever participation - 400 attendees (approx)
- 138 sessions held over 3 days

Strong presence from ToIP
- 25% of all sessions (35/138) led by ToIP members
- 20 (approx) ToIP members (individuals and organizations) called sessions

Sessions directly relevant to our Working Groups
- Governance Stack - 15%
- Utility Foundry - 15%
- Semantic Domain - 7.5%
- Technology Stack - 18%
- Concepts & Terminology - less than 1%
- Ecosystem Foundry - 15%
- Human Experience - 12%
Internet Identity Workshop (IIW) - ToIP led Sessions

Digital Trust Ecosystems (Karl Kneiss)
› Introduction to how ToIP stack supports GS1, M/C, Lumedic, GLEIF and Stanford

Saturn V TIP (David Luchuk)
› Presenting the recently accepted draft deliverable from the TSWG

Active and Passive Identifiers & Overlays Capture Architecture (OCA) (Paul Knowles)
› Signing keys, governing entities and resolving claims in a digital network

Asset Ownership Transfer using Verifiable Credentials (Kalyan Kulkarni)
› Presentation of two use cases based on actual client experience

Realizations - diversity and inclusion (Drummond Reed)
› “We can’t build an identity layer FOR everyone unless it’s built BY everyone”

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Internet Identity Workshop (IIW) - Member Takeaways

Topics raised that could / should have a home at ToIP

› Diversity/Inclusion
› Internet of Things
› KERI - governance of key management

Open Discussion

› Takeaways from other ToIP members who attended?
› Lessons for ToIP - where are we going right/wrong?
› Missing pieces - what didn't we talk about at IIW?
› Perception in the community - who do they think we are?
Technology Stack WG (TSWG) Activity

Saturn-V TIP - progress and announcement

› Technology Stack WG accepted Saturn V TIP as a draft deliverable - a combination of technologies that span all four layers of the ToIP stack

› Participating vendors now proceeding with test plans - confirm interoperability and determine whether any components can be put forward as ToIP Standard Specifications (TSS)

Trust over IP Foundation Introduces a New Tool for Interoperable Digital Trust

When the ToIP Foundation launched in May 2020, our mission was to define a new model for achieving trust online—a model that breaks away from the thousands of siloed solutions for secure, privacy-enhancing digital identity and trust that do not work with each other. This lack of interoperability costs billions of dollars per year in complicated and time-consuming integration and hinders adoption by the very customers we are trying to serve.
Technology Stack WG (TSWG) Activity

Establishment of Layer Interop Spec Task Forces to be managed by Kanban Projects in GitHub.

Layer Interop Specs
1. Three (3) unique TSWG Deliverables
2. Each managed by a TSWG Task Force
Technology Stack WG (TSWG) Activity

Decentralized mapping activities in both DIF and ToIP focus on a common need -- Layer Interop Specs!
TIPs help to facilitate a approach to market-driven interoperability. A TIP represents a specific combination of technologies that span each of the four layers of the ToIP technology stack in order to meet the requirements of a set of target customers in one or more digital trust ecosystems.

TIPs can be designed, refined and supported by multiple vendors and customers wishing to collaborate on interoperability. A TIP typically includes the following elements critical to customer success:

- **Use cases** capturing the specific requirements of customers in one or more digital trust ecosystems.
- **Design principles** that must be clearly defined when combining technology and business policies to formulate a solution architecture.
- **Documentation** that clearly communicates the design, architecture, features, and benefits of a TIP to the digital trust ecosystems targeted for adoption.
- **Best practices and implementation guidance** for adoption of a TIP, including how to incorporate policies from the ToIP governance stack.
- **Interoperability tests** that enable vendors supporting the TIP to be certified for verifiable interoperability.
- **Adoption metrics and case study references** that provide quantifiable evidence of the real market impact.
Technology Stack WG (TSWG) Recommendations: TIPs

TIPs harness market forces to drive convergence on interoperability

A conceptual “lego block” picture of a complete four-layer TIP—showing how it is constructed from a combination of standard TSS components and custom TIP-specific components.

Each TIP consists of two types of components:

1. **Fully-standardized components of the ToIP stack.** These components, called ToIP Standard Specifications (TSS), are standards that have already gained Foundation-wide approval.

2. **Custom components that are specific to a TIP.** Some places in the ToIP stack do not yet have agreed-upon specifications. For these gaps, a TIP must specify how it fills the gap via an open community specification that can be implemented by any vendor or open source project.
Technology Stack WG (TSWG) Recommendations: TIPs

ToIP Interoperability Profiles (TIPs)
1. Can be many
2. Each managed and championed by its stakeholders
Technology Stack WG (TSWG) Recommendations: Saturn-V TIP

The **first TIP proposed by the ToIP Technology Stack Working Group** is named for the historically significant multi-stage rocket platform, the Saturn-V. This TIP emerged from work started at the 2019 Connect-a-Thon event held by the Hyperledger Indy community.

**Saturn-V Interop Test Plan One**

1. Self-Validation against Aries Protocol Test Suite for Aries Interop Profile v. 1.0
2. Peer-Validation
   a. Core Aries Interop Profile v. 1.0 (Aries RFC 302), which supports DID connections, issuing credentials, and fulfilling proofs
   b. Connectionless Proofs using the Service Decorator (Aries RFC 56),
   c. HTTP over DIDComm (Aries RFC 348).

**Saturn-V Interop Test Plan Two**

1. Core Aries Interop Profile v. 2.0 (content and scope not yet defined by community)
3. End-to-End testing the Aries Agent Test Harness
Communications Committee Update

› Contract issued to produce Communications Products
  › Web-based infographics - ToIP for citizens & ToIP for businesses
  › Presentation/deck - telling the story conveyed through infographics
  › Redesign - ToIP web page (interactive graphics)
  › Templates for Presentations, Press Releases, Webinars

› Communications Strategy
  › Principles and messages for external audience
  › Approach to press releases/announcements (incl. reciprocal posts with other orgs)
Operations Update

› Operations Team

› Support WGs and Chairs - one representative from each WG

› Activities: workflow (based on JDF stages), dashboard for deliverables in GitHub, help for members using GitHub, guides and tutorials for Deliverable types, policy for Task Force creation

› Need representatives - Technology Stack WG and Concepts & Terminology WG
Open Conversation
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