All-Member Meeting

15 July 2020—10:00-11:00 PT / 17:00-18:00 UTC
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Agenda

› Update on John Jordan (Drummond and Stephen)
› Membership Update (Todd)
› Collaboration Tools Review (Todd)
› ToIP Deliverables (Drummond)
› Working Group and Task Force Updates (WG & TF Chairs)
› Open Q & A (All Members)
Update on John Jordan

Drummond Reed and Stephen Curran will provide an update on John Jordan
Membership update (Todd)

› At our launch on May 5th, we had 29 total organizational members
  › 17 Steering Members
  › 12 Contributor Members (all Organizations)
› As of today, we have 136 total members
  › 18 Steering Members
  › 1 Associate Member
  › 88 Contributor Members (Organizations)
  › 29 Contributor Members (Individuals)
Collaboration Tools (Todd)

- Groups.io ([lists.trustoverip.org](lists.trustoverip.org))
  - All Members are automatically added to the All Members mailing list all-members@lists.trustoverip.org.
  - Please note that the mailing lists have all been configured to be publicly viewable for openness, but only companies, organizations, or individuals that have signed the ToIP agreements will be able to post/"contribute" to the lists.
  - To join the discussion, simply self-subscribe at lists.trustoverip.org (Governance Stack, Technical Stack, Ecosystem Foundry, Utility Foundry) and you will be adding to the relevant meeting series
- Confluence ([wiki.trustoverip.org](wiki.trustoverip.org))
  - If you do not already have an LFID, please create one at the top right of the wiki to be able to edit.
- Slack ([trustoverip.slack.com](trustoverip.slack.com))
- Web ([www.trustoverip.org](www.trustoverip.org))
  - In the interim, please send updates directly to operations@trustoverip.org
- GitHub ([https://github.com/trustoverip](https://github.com/trustoverip))
ToIP Deliverables
The Trust over IP Foundation is defining a complete architecture for Internet-scale digital trust that combines both cryptographic trust at the machine layer and human trust at the business, legal, and social layers.
## Trust over IP Governance Stack

### Ecosystem Governance Frameworks
- **Governance Authority**: Publishes
- **Governance Framework**: Member Directory, Auditor, Auditor Accreditor

### Credential Governance Frameworks
- **Governance Authority**: Publishes
- **Governance Framework**: Credential Registry, Authoritative Issuer, Insurer

### Provider Governance Frameworks
- **Governance Authority**: Publishes
- **Governance Framework**: Hardware Provider, Software Provider, Agency

### Utility Governance Frameworks
- **Governance Authority**: Publishes
- **Governance Framework**: Transaction Author, Transaction Endorser, Steward

## Trust over IP Technology Stack

### Application Ecosystems
- Digital Trust Ecosystem
- Digital Trust Ecosystem

### Data Exchange Protocols
- Issuer
- Verifiable Credential
- Holder
- Proof
- Verifier

### DIDComm Peer to Peer Protocol
- Agent / Wallet
- Connection
- Peer DIDs

### Public Utilities
- DID Method Utility
- DID Method Utility
- DID Method Utility
Read the white paper:
https://trustoverip.org/resources/intro-to-toip/
Working Group & Task Force Updates
The scope of the Governance Stack Working Group is to define models and interoperability standards for governance frameworks that enable business, legal, and social trust between entities implementing the Trust over IP architecture stack as defined in Hyperledger Aries RFC 0289 (or its successor as identified in the RFC).
Governance Working Group: Activities & Progress

- Elected chairs and vice chairs to brief (2-month) initial terms
  - Chairs: Drummond Reed, Scott Perry, Tom Plagge
  - Vice Chairs: Steve Magennis, Steven Milstein, Sankarshan, Kalyan Kulkarni
- Bi-weekly meetings on Thursdays at 11:00am PT, with APAC to come.
- Gathering input and determining work products & deliverables. This WG primarily will deliver templates and recommendations.
- Initial work products & deliverables:
  - ToIP Standards Specification (TSS) for ToIP Governance Architecture to define overall model and requirements for governance frameworks
  - Layer One Utility Governance Framework Templates, based on prior work from the Sovrin Foundation and others
- Initial task forces (see Confluence wiki):
  - Trust Assurance
  - Process & Rules
Technical Stack WG: Activities & Progress

› WG established:
  › 1st Meeting was June 1, 2020
  › Meetings: US/UK/EU alt MON 11AM ET; APAC/IN alt MON Midnight ET
    › ±15 participants per meeting in the former, ±4 in the latter
  › Conveners: Matt Davies, Dan Bachenheimer
  › Co-Chairs: Dan Gisolfi, Matt Davies, Darrell O’Donnell
  › Vice-Chair: Ajay Jadhav

› ACTION: Need to determine term of office
Technical Stack WG: Activities & Progress

Mission and scope
The scope of the Technical Stack Working Group is to define (directly or by reference) the technical standards, test suites, and interoperability certification standards for the Trust over IP architecture stack as defined in Hyperledger Aries RFC 0289 (or its successor as identified in the RFC document itself).

Proposed deliverables

1. A technical description of each of the layers and their scope
2. The required, recommended, and optional functionality at each layer
3. The required, recommended, and optional dependencies on the layer below
4. The interoperability certification testing standards for each layer

Suggested initial work items

1. Identify for each layer what is done, being done, and needs to be done
2. Identify privacy and security test regimes and certifications for each layer
3. Develop and publish a template for TIPs—ToIP Interoperability Profiles
Technical Stack WG: Activities & Progress

- Current focus:
  - Discussion of TIPs
    - one TIP per vertical?
    - agreement on horizontal interoperability?
    - clarity that TIPs are for reference implementations - not just interoperability
  - TOIP Deliverables
  - Define process (lifecycle)
    - Defining a TIP
    - Defining the proposal process
    - Incubation process
Foundry Workgroups
Foundry Workflows

Ecosystem Foundry Working Group: Getting Started Workflow

**Learn**
- Digital trust
- Ecosystems
- Tools and standards
- Compliance, legal, risk
- Decision to convene

**Convene**
- Why are we meeting?
- Who participates?
- Who is the convener?
- Decision to start ecosystem project

**Define**
- Scope of management and governance
- Methods and tools
- Data requirements
- Utility selection
- Decision to create

**Create**
- Establish governance program and knowledge tools
- Formalize policies for tools, schemas, and utilities using TOIP templates
- Decision to implement

**Implement**
- Publish credentials and schemas
- Setup wallet provider and utility
- Publish governance framework and guides
- Train issuers and verifiers

**Grow**
- Measure and expand ecosystem
- Develop new schemas and IC incentives
- Adapt to new business models

Utility Foundry Working Group: Getting Started Workflow

**Learn**
- Public Identity
- Utilities
- LF-NonProfit and NGO Options
- Compliance, legal, risk
- Decision to convene

**Convene**
- Why do we need a Utility?
- Who will participate?
- Who is the convener?
- What are requirements?

**Define**
- Scope of management and governance
- Methods and tools
- Sustainability requirements
- Utility Service Provider criteria

**Create**
- Establish legal entity
- Establish governance model
- Formalize policies for write-access
- Consider budget requirements

**Implement**
- Publish governance model
- Onboard members
- Select a USP
- Identify node hosting providers
- Establish technical project

**Maintain**
- Operate all ledger environments
- Run membership campaigns
- Monitor USP performance

ToIP Guidance is publicly available for all.
Utility Foundry Working Group: Mission and scope

The scope of the Utility Foundry Working Group is to facilitate a community of practice among governance authorities, implementers, operators, and service providers for Trust over IP Layer One utilities. The WG will provide process guidance for the establishment and monitoring of new ToIP Layer One utility projects, whether hosted at the Linux Foundation or external to it. Other WG activities will include creating template RFPs for service providers, maintaining a list of affiliated Foundry Service Providers, identifying areas of collaboration and alignment between associated and/or disparate Utilities, and where possible serving as a center of competence for the education and promotion of the role of ToIP Layer One utilities.
Utility Foundry Working Group: Activities & Progress

- Elected chairs and vice chairs to 6-months initial terms
  - Chairs: Dan Gisolfi, André Kudra, Vinod Panicker
  - Vice Chairs: Cameron Boozarjomehri, Mathieu Glaude, Sandeep Krishnappa

- Bi-weekly meetings on Tuesdays facilitating major time zones
  - US/EU: 18:00-19:00 UTC / 11:00-12:00 PDT / 20:00-21:00 CET / 03:00-04:00 JST (=next day)
  - APAC: 06:00-07:00 UTC / 23:00-00:00 PDT (=prior day) / 08:00-09:00 CET / 15:00-16:00 JST

- WG org area established
  - ToIP Wiki at the Utility Foundry WG page

- Initial work items organized
  - Utility foundry workflow with sample stories
  - Decision tree for lifecycle stages
  - Establishing relevant liaisons
  - Understanding of open source tech & interoperability
Ecosystem Foundry Working Group: Mission and Scope

Facilitate a community of practice among governance authorities, implementers, operators, and service providers of Trust over IP Layer Four ecosystems. The WG will provide process guidance for the establishment and monitoring of new ToIP Layer Four ecosystem projects, whether hosted at the Linux Foundation or external to it. Other WG activities will include creating template RFPs for service providers, maintaining a list of affiliated Foundry Service Providers, identifying areas of collaboration and alignment between associated and/or disparate ecosystems, and where possible serving as a center of competence for the education and promotion of the role of ToIP Layer Four ecosystems.
Ecosystem Foundry Working Group: Activities & Progress

› **Bi-weekly meetings** on Thursdays at 11:00am edt
› Working on ToIP Glossary terms
› Working on establishing Ecosystem Workflow template
   › Produced draft **Ecosystem workflow** use case
   › Produced **community use cases** for Malaysian B2B eKYC, Gemstone Industry Platform, Medical Information Ecosystem, Enterprise Ecosystems, Legal Entity Identifier Foundation
   › More community use cases and feedback wanted
› New Task force for **COVID-19 Credentials Initiative** and **Internet of Education**
CCI GF V2 Task Force (under the EFWG): Activities and Progress

- CCI GF V2 TF was launched on 01 July, 2020 (wiki page); transitioned from Covid Credentials Initiative

- Weekly TF Calls (Mondays at: 0700 PDT / 1000 EDT / 1400 UTC / 1930 India / 2200 Singapore)

- Intended outcome - complete second version (V2) of the CCI Governance Framework
  → extend the V1 release with input and feedback from the community as well as additional detail required to align with example use cases designed within the Covid Credentials Initiative
    ○ Completion of final CCI GF V2 content by September 2020; monitor progress and adjustment if necessary
    ○ Planning for more complete translations in additional languages (V1 has over five languages translations plus English)

- Seeking organizations interested to adopt V1 framework, as well as the upcoming V2

- Call-to-Action - Outreach to experts in data ethics, data governance, members of similar/allied governance frameworks and application/service development communities to contribute to V2 development.
Decentralized Semantics Working Group: Mission and scope

The mission of the WG is to define a data capture architecture consisting of immutable schema bases and interoperable overlays for Internet-scale deployment. The scope of the WG is to define specifications and best practices that bring cohesion to data capture processes and other Semantic Standards throughout the ToIP stack, whether these standards are hosted at the Linux Foundation or external to it. Other WG activities will include creating template Requests for Proposal (RFPs) and additional guidance to utility and service providers regarding implementations in this domain. This WG may also organise Task Forces to escalate the development of certain components if deemed appropriate by the majority of the WG members and in line with the overall mission of the ToIP Foundation.
Decentralized Semantics WG: Overlays Capture Architecture (OCA)

A data capture architecture consisting of immutable schema bases and interoperable overlays.
Weekly meetings on Tuesdays
   16:00-17:00 UTC / 09:00-10:00 PDT / 18:00-19:00 CET / 01:00-02:00 JST (=next day)

WG org area established
   ToIP Wiki at the Decentralized Semantics WG page

Proposed TFs
   Imaging TF
   Medical Information TF
   Notice & Consent TF

Initial work items organized
   Creating a functionality requirements document for a fully interoperable data capture architecture
      Ref: https://docs.google.com/document/d/1XTf1A4JTbuNntMflQA-eakX-ClkqtY-N/edit
   Presentation + live demo of Overlays Capture Architecture (OCA)
Concepts & Terminology WG: Mission & Goals

The scope of the C&T WG is to develop shared concepts and terminology available to all stakeholders in the ToIP stack. This includes developing artifacts and tools for discovering, documenting, defining, and (deeply) understanding the concepts and terms used within ToIP.

Key deliverables include 1+ glossaries together with a corpus of data underlying them. This data will consist of formally modeled concepts, plus their relations and constraints, and will encompass perspectives from technical, governance, business, legal and other realms. All ToIP WGs and TFs can contribute to (and inherit/import from) these deliverables.

WGs or TFs can still maintaining their own specialized glossaries if they require. We expect these, as any other generators of concepts and terminology elsewhere in the industry, to feed back into the glossaries and corpus of data maintained by this WG in a cycle of continuous improvement.
Concepts & Terminology WG: Activities & Progress

› WG is being set up:
  › Scope statement needs to be approved
  › Conveners: Drummond Reed, Rieks Joosten

› Way of working needs to be fleshed out and decided to serve different needs, e.g.:
  › for TIPs, where a TIP-specific glossary works fine;
  › for deeply understanding what we’re doing, which requires mental models.
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