



TRUST
Over **IP**
FOUNDATION

All-Member Meeting

20 January 2021

10:00-11:00 PT / 17:00-18:00 UTC

 **THE LINUX** FOUNDATION

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Agenda

- › Remarks from John Jordan - 5 min
- › Priorities - ToIP in 2021 (All) - 15 min
- › Working Group Updates (WG Chairs) - 30 min
- › Open Q & A (All) - 5 min

Remarks - John Jordan (Executive Director)

- › 2021 is critical to our community - establish market recognition and positioning for the ToIP model.
- › To make that happen, we need to complete and release Deliverables out of our Working Groups and Communications Committee.
 - › Participation from members is key to achieving this.
- › The quality of ToIP products will determine whether and how the model gets adopted.
- › I am looking forward to helping guide and shape these efforts. But we need to bring the expertise of all members into this work.

Priorities - ToIP in 2021 (1/3)

- › Open discussion
 - › In what ways did 2020 go right for ToIP?
 - › Where do we need to improve / better focus our efforts?
 - › How do we make 2021 our tipping point for progress and delivery?
- › Steering Committee priorities - Q1 2021
 - › #1: Focus on baseline deliverables
 - › #2: Support emergence of trust ecosystems
 - › #3: Develop and deliver Communications Strategy and Editorial Calendar
 - › #4: Implement Resource/Revenue model

Priorities - ToIP in 2021 (2/3) - Our “Big 5” Deliverables

1. Design Principles for the ToIP Governance Stack V1 (GSWG)
2. Design Principles for the ToIP Technology Stack V1 (TSWG)
3. ToIP Governance Stack Architecture TSS V1 (GSWG)
4. ToIP Technology Stack Architecture TSS V1 (TSWG)
5. ToIP Foundation White Paper V2 (Joint)

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Priorities - ToIP in 2021 (2/3) - Support Emerging ToIP Ecosystems

- **GLEIF vLEI Ecosystem** - verifiable credentials for Legal Entity Identifiers
- **Lumedic Exchange** - verifiable credentials for patient-centric healthcare data exchange
- **CULedger MemberPass Ecosystem** - verifiable credentials for customer authentication and portable KYC (Know Your Customer) in financial services
- **GS1 Digital Trust Ecosystem** - global supply chain
- **Good Health Pass Ecosystem** - interoperable verifiable credentials for global travel/health passes
- **YOMA Ecosystem** - UNICEF-funded YOuth MARketplace for decentralized educational and skills credentials for youth in Africa

Working Group Updates

Governance Stack Working Group (1/2)

Mission and scope

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 document itself).

Proposed deliverables (2 ½ of the Big Five)

1. Design Principles for the ToIP Governance Stack V1
2. ToIP Governance Stack TSS V1
3. ToIP Foundation White Paper (joint project with TSWG)
4. Principles of SSI

Active work items

1. Task Forces on all of the above
2. Our first two white papers

Governance Working Group (2/2)

Current Focus

- › In Q1 our focus is going to be on our Big 5 deliverables
- › We will also be planning for layer-specific governance framework templates and best practices

Challenges / Obstacles

- › Primary challenge is enough bandwidth of GSWG members
- › GitHub repo skills and experience
- › Moving rapidly through ToIP member review and public review
- › Handling inquiries about digital trust ecosystems and coordinating with the EFWG

Technology Stack WG (1/2)

Mission and scope

The scope of the 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. Big 5 deliverables
2. Incubate ToIP Interoperability Profiles (TIPs)
3. Define Layer Interop Specifications

Active work items

1. On-going testing of first TIP - SaturnV

Technology Stack WG (2/2)

Current Focus

- › Promoting understanding and use of ToIP Deliverables repo in GitHub

Challenges / Obstacles

- › Capturing time from key resources
- › Education across the Foundation on our Deliverables and how each WG will articulate their contributions under that framework

Utility Foundry Working Group (1/2)

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.

Proposed deliverables

1. Utility Foundry guidance (best practices) for prospective utility projects

Active work items

1. Maintain directory of ToIP-compatible Utilities and affiliated Foundry Service Providers
2. Create utility sample stories based on Utility foundry workflow
3. Conduct education sessions based on L1 Utility project experiences

Utility Foundry Working Group (2/2)

Current Focus

1. Rallying troops for UFWG in diverse jurisdictions and from active L1 Utility projects

Challenges / Obstacles

1. Despite the fundamental role of L1 Utilities, participation in UFWG needs improvement
2. Not only more attendance required but people who are willing/available to actively contribute

Ecosystem Foundry Working Group (1/2)

Mission and scope

The scope of the Ecosystem Foundry Working Group is to 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.

Proposed deliverables

1. 29 pending deliverables for the Solution Pack implementation plan
2. White Papers
3. Establish Library of Foundry Service Providers

Active work items

1. 8 Solution Pack deliverables in draft review status, 1 new draft started
2. 8 White papers in draft

Ecosystem Foundry Working Group (2/2)

Current Focus

- › Increase Community Engagement - need more contributors to complete deliverables
- › Expand Library of Exemplar Use Cases - Increase community learning
- › White Paper processes and procedures
- › Revive or retire inactive Task Force Groups

Challenges / Obstacles

- › Resources
- › Cross working group collaboration
- › Focus

Inputs and Semantics Working Group (1/3)

Mission and scope

The mission of the ISWG is to define a decentralized key management infrastructure (*Inputs domain*) and data capture architecture (*Semantic domain*) for Internet-scale deployment.

The scope of the ISWG is to define specifications and best practices that bring cohesion to data entry (aka *Inputs*) and data capture (aka *Semantic*) processes and standards throughout the ToIP stack whether these standards are hosted at the Linux Foundation or external to it.

Inputs and Semantics Working Group (2/3)

INPUTS Domain

Proposed deliverables

1. RFC on ledger-agnostic decentralised key management solutions in order to avoid platform lock-in

Active work items

1. Deliverables to be discussed further as this is a brand new arm to the ISWG

Current Focus

- › Educating call attendees on the development of core public utility technologies in the Inputs domain

Challenges / Obstacles

- › The core technology that is the main focus of the group is KERI (Key Event Receipt Infrastructure) and, as this infrastructure is still being developed, there are no use cases to latch on to. This is a short-term issue.

Inputs and Semantics Working Group (3/3)

SEMANTICS Domain

Proposed deliverables

1. RFC on FHIR to OCA ingestion as a PoC for semantic harmonisation from multiple sources
2. White paper on semantic reconstruction post data collection from multiple “Linked Data” sources
3. Creating an OCA schema from CDC’s schema specification as a PoC for language-agnostic data capture for “Vaccination Records”

Active work items

1. All three proposed deliverables are active work items.

Current Focus

- › The priority will likely be point number 3 due to urgency of data portability and semantic harmonisation during the pandemic.

Challenges / Obstacles

- › Authoring some of the work with current meeting schedules continues to be problematic but meeting attendance is vital in the current climate

Concepts and Terminology Working Group (1/2)

Mission and scope

Develop shared concepts and terminology available to all stakeholders in the Trust over IP stack. This includes developing artifacts and tools for discovering, documenting, defining, and (deeply) understanding the concepts and terms used within ToIP. Key deliverables include one or more 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.

Proposed deliverables

- 1.

Active work items

- 1.

Concepts and Terminology Working Group (2/2)

Current Focus

- >

Challenges / Obstacles

- >

Human Experience Working Group (1/2)

Mission and scope

The HXWG will be action-orientated and aim to develop insights & practical resources to enable stakeholders in the ToIP community to improve outcomes for those using the products and services they are building. It aims to actively engage with as diverse an audience as possible, hosting community discussion around the human experience of digital trust and fostering an inclusive environment for the research and curation of human-level trust mechanics as a shared resource for use across domain boundaries.

Proposed deliverables

1. TBC - WG charter (SC approved) is currently being rolled with LF collaboration

Active work items

1. Soliciting proposals from WGs for projects to develop in HXWG pipeline



Open Conversation

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