

TRUST
Over **IP**
FOUNDATION

THE **LINUX** FOUNDATION

All Members Monthly Meeting

Working Group Updates

Wednesday, September 20th, 2023
10:00-11:00 am PT / 17:00-18:00 UTC

Antitrust Policy & Member Participation

- › Attendees are reminded to adhere to the meeting agenda and not participate in activities prohibited under antitrust and competition laws*
- › Only members of Trust Over IP who have signed the necessary agreements and charters are permitted to participate in this activity beyond an observer role

* Examples of types of actions that are prohibited at Linux Foundation meetings and in connection with Linux Foundation activities are described in the Linux Foundation Antitrust Policy available at <http://www.linuxfoundation.org/antitrust-policy>

Agenda

- Agenda Review (1 min)
- Welcome New Members (1 min)
- Foundation Wide Updates and Announcements (5 min)
- Working Group Updates
- Open Discussion



Foundation Wide

Updates & Announcements

New Task Forces

- **TSWG - Credential Exchange Protocols TF**
Wednesdays 01:00 pm UTC
Lead: Mathieu Glaude
- **GSWG - Issuer Requirements TF**
Wednesdays 02:00 pm UTC
Lead: Neil Thomson
- **TSWG - did:webs TF**
Fridays 02:00 pm UTC
Leads: Lance Byrd, Markus Sabadello, more

Conferences

- **Identity Week North America - Oct. 3rd-4th**

Executive Director, Judith Fleenor will be representing ToIP on the Trust and Governance Frameworks Panel, in the afternoon of Tuesday Oct. 3rd.

- **Internet Identity Workshop (IIW), Oct. 10th-12th**

Computer History Museum Mountain View CA

ToIP 20 % Discount Code on Registrations: [TOIP_XXXVII_20](#)



- **Linux Member Summit - October 24th - 26th**

ToIP panel session ***Defining the Protocol for Internet-Scale Digital Trust***
Thursday, 25th, 3:10 pm — plus SC members are giving 2 presentations on Wed:

- * What is a Digital Trust Ecosystem?

- * OpenWallet: Why it holds the Key to Democratizing Digital Trust

What Makes a Great Working Group

DIF has scheduled with Linux foundation a session called
What Makes a Working Group Great?

This WG Chair Training Session is also open to ToIP members who are interested in learning best practices for Working Group process from a Linux Foundation experts.

This is a good refresher for experienced WG chairs as well as newcomers interested in becoming leaders.

This session will be recorded.

Friday, September 22nd at 8am PT

Send a DM to Clare or Judith if you'd like to have a calendar invite sent to you.

Next All Members Meetings

October 18th, 2023

Recap of IIW and other Conferences
and Open General Discussion

November 15th, 2023

Working Group Updates

December 20th, 2023

Annual Zoom Holiday Party



Working Group Updates

Concepts and Terminology Working Group



Terminology Engine V2 (TEv2)

- TNO is expected to contribute 2 tools for the TEv2 toolbox within the next month, and a 3rd before the end of the year.
- These tools can generate a machine-readable glossary, transfer them across 'scopes', and resolve term references (e.g., to hyperlink terms to their glossary definitions within a specification, white paper, or other deliverable, or show their definition in 'popups' on the web).
- The commissioned TEv2 tools (ingest terms wikis, and generate human readable glossaries from them) are postponed.
- Several TSWG TFs are planning to use TEv2 to publish the terminology for their specifications and papers.

Terminology Toolbox 2.0 Revised Architecture

TOOL-ABBREVIATIONS

TRRT: Term-Ref Resolution Tool

MRGT: MRG generation Tool

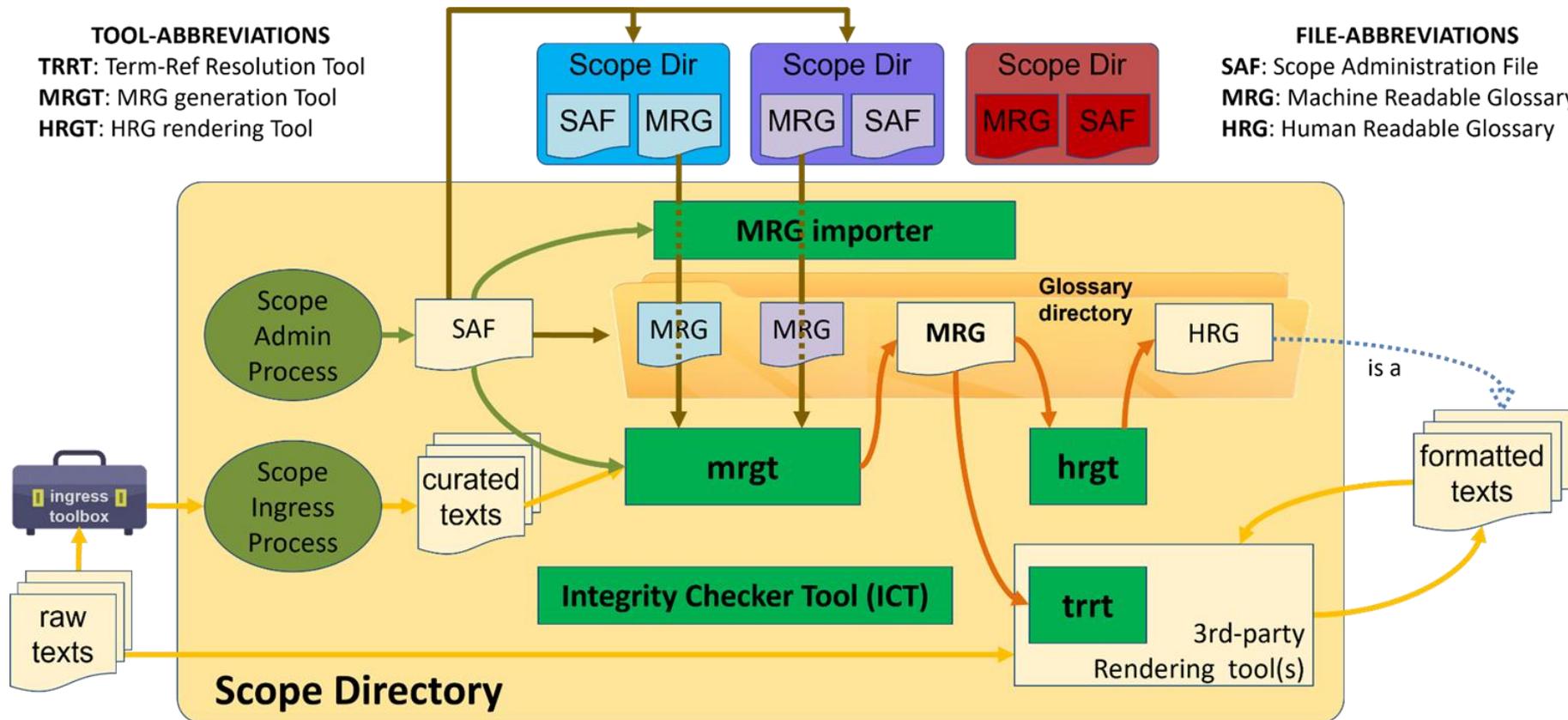
HRGT: HRG rendering Tool

FILE-ABBREVIATIONS

SAF: Scope Administration File

MRG: Machine Readable Glossary

HRG: Human Readable Glossary



ToIP Glossary Workspace

- The goal is to establish an overall glossary of terms that are common to all ToIP deliverables regardless of WG or TF
 - This does NOT preclude any WG or TF from defining additional highly specialized terms for their own work
- Work is proceeding in [a Google doc](#) as it is the fastest tool for editing and hyperlinking all the entries
- Up to over 200 entries—goal is a complete draft by IIW
- Current active contributors are Drummond Reed and Nicky Hickman—**please get in touch if you would like to contribute!**

Developing New Mental Models

- Mental models explain how a set of concepts are related within a specific domain—a “mini-ontology”
- They are usually documented both in writing and in UML diagrams
- They add much greater depth and cross-conceptual understanding than glossaries alone
- Co-chair Rieks Joosten of TNO is leading the work on developing several foundational new mental models

Meeting Times - CTWG



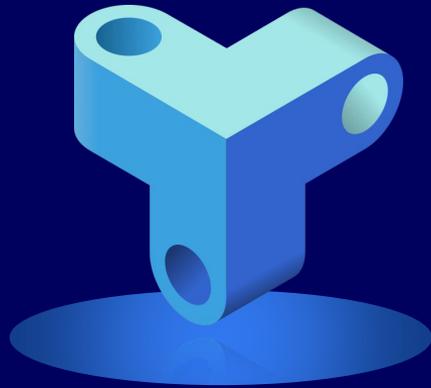
Every other Monday

10:00 Pacific / 13:00 Eastern / 17:00 UTC

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Technology Stack Working Group



Technology Stack Working Group

Welcome our new co-chair: Kevin Griffin from GLEIF



Technology Stack Working Group

Seven Active Task Forces

1. Technology Architecture Task Force (spec in public review)
2. Authentic Chained Data Container (ACDC) Task Force
3. AI & Metaverse Task Force
4. Trust Registry Task Force ← **SECOND GENERATION**
5. Trust Spanning Protocol Task Force ← **NEW IN JANUARY**
6. Credential Exchange Protocols Task Force ← **NEW IN JUNE**
7. **did:webs Task Force ← NEW THIS MONTH**

Technology Architecture Task Force

- Continuing work on [ToIP Technology Architecture Specification V1.0](#)
 - a. Public review still underway
 - b. Working asynchronously — only meeting as needed
- Three primary tasks left
 - a. **IN REVIEW:** [Canonical Use Cases for the ToIP Stack](#)
 - b. **IN PROGRESS:** ToIP Glossary Workspace
 - c. **IN PROGRESS:** 3rd Generation Conceptual Diagram of the ToIP stack

Trust Registry Task Force 2.0

- Meeting every Thursday (NA/EU & APAC)
- Deliverables Planned:
 - Trust Registry Protocol Specification
 - Trust Registry Protocol Companion Guide
 - Profile Discovery Specification
- Both specifications have moved into the Working Draft stage

Trust Spanning Protocol Task Force

- Meets every Wednesday (both NA/EU and APAC)
- Deliverable is the **ToIP Trust Spanning Protocol Specification**
 - The keystone of the entire ToIP stack
 - See the 18 requirements in the [ToIP Technology Architecture Spec V1.0](#)
- Now in the **Working Draft** stage because...
- ...this past (North American) summer, we reached consensus on the seven major pillars of the design...
- ...which we wrote up in [this ToIP blog post](#):

MID-YEAR PROGRESS REPORT ON THE TOIP TRUST SPANNING PROTOCOL

By trustoverip

August 31, 2023

Blog



In January 2023, the ToIP Foundation announced the formation of the [Trust Spanning Protocol Task Force \(TSPTF\)](#) within our [Technology Stack Working Group \(TSWG\)](#). [See the introductory blog post](#) for an overview of this task force. In short, the goal is to **maximize**

The Seven Pillars

1. Verifiable Identifiers
2. End-to-End Authenticity and Confidentiality
3. Direct Connections (Inner and Outer Channels)
4. Routing Via Intermediaries (Routing Channels)
5. Relationship Context Channels
6. Text and Binary Encoding
7. Trust Task Protocol Framework

Other TSWG Task Forces

- **ACDC (Authentic Chained Data Container) TF**
 - Meets every other Tuesday, 07:00-8:00 PT / 14:00-15:00 UTC
- **AI & Metaverse TF**
 - Meets every other Thursday, 09:00-10:00 PT / 16:00-17:00 UTC
- **Credential Exchange Protocols TF**
 - Meets every Wednesday, 06:00-07:00 PT / 01:00-02:00 UTC

NEW: did:webs Task Force

- Early market feedback is showing the **did:web method** to be one of the most popular—largely due to ease of getting started
- This is ironic because it is also **one of the least secure**
- The founders of the new did:webs Task Force realized **they could fix these security flaws** by “tunneling” a self-certifying AID (autonomic identifier) inside a did:web URL
- This also provides a bridge between DIDs and KERI (which uses AIDs)
- The TF is meeting Fridays at 14:00 UTC
- **The goal is a Working Draft specification by IIW**

Meeting Time -TSWG



Once every four weeks

TSWG Plenary Meeting

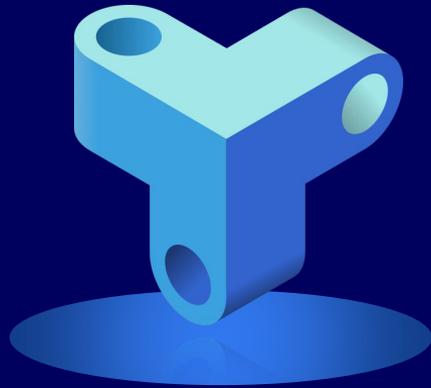
NA/EU: 07:00-08:00 PT, 15:00-16:00 UTC

APAC: 18:00-19:00 PT, 01:00-02:00 UTC

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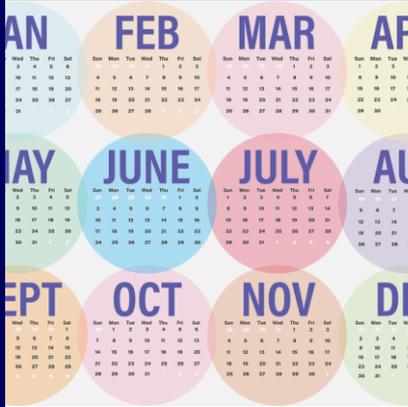
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Governance Stack Working Group



Governance Stack Working Group

- The **Governance Architecture TF**, has created a document “Trust Registry Catalogue Data”. The purpose of this document is to provide requirements of ToIP aligned catalogue data for a trust registry. It is ready for final review by the GSWG and the ToIP community
- The **GSWG** Attraction Pass TF has been creating data flow and role schematics how processes work for our model use case.
- The **Issuer Requirements TF** - Creating a Governance Metamodel compliant set of requirements targeted to just issuers. Working through first draft comments then ready for broader review.
- **Special Topic Meeting** - Oct 5 11PT GLEIF Ecosystem Governance Framework Review



Meeting Time - GSWG

GSWG - every fourth Thursday

- 11: Pacific / 14: Eastern / 18:00 UTC

Governance Architecture TF - alternate Wednesdays

- Americas: 16: Pacific / 19: Eastern / 23: UTC
- APAC/EU: 01: Pacific / 04: Eastern / 08: UTC

Issuer Requirements TF - alternate Wednesdays

- NA/EU: 7: Pacific / 10: Eastern / 14: UTC
- APAC: 21: Tues EST/ 6:30 Weds IST/ 11: Weds AEST

Attractions Pass TF - alternate Tuesdays

- 8: PT / 11: EST / 15: UTC

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Utility Foundry Working Group



Utility Foundry Working Group

Ongoing work items (Unchanged since the last report):

- [Public Utility Directory](#):
 - This is a list of all the active Layer 1 utilities which currently have representative members at ToIP
 - Looking forward to including the Candy network if they are interested in being part of this chart.
- [A Framework for Evaluating Layer 1 Utilities - Overview](#)
 - This document identifies the key differences and considerations between the core Layer 1 utilities for clients/customers looking to adopt a ToIP compatible SSI solution
 - Final review is complete - formatting and delivery to TSC remains.

Utility Foundry Working Group

New/Future work items

- We are currently contributing all of our ongoing efforts to the **Governance Architecture Task Force**.
- Will resume with UFWG items when that effort scales back.



Meeting Time - UFWG

~~Every Alternate Tuesday~~

~~16:00 Pacific / 19:00 Eastern / 01:00 UTC~~

The UFWG is currently contributing all of its efforts to the GATF so meetings are currently suspended. UFWG meetings will resume when that work is complete.

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Ecosystem Foundry Working Group



2023 Recent Presentations

AP Cyber

Glen Gulyas

22 June



Trust Continuumloop

Darrell O'Donnell

14 September



Ecosystem Research

- **Currently analysing survey results to formulate into shareable story**
 - Join the EFWG and let us know if you would like to contribute to this

Ecosystem Components

- We continue to develop “**Digital Trust Ecosystem Components**” for review and feedback by the ToIP Community, before developing Learning Pathways based on those components.
- Join our meetings (that aren’t presentations) to contribute to this discussion.



Meeting Time - EFWG

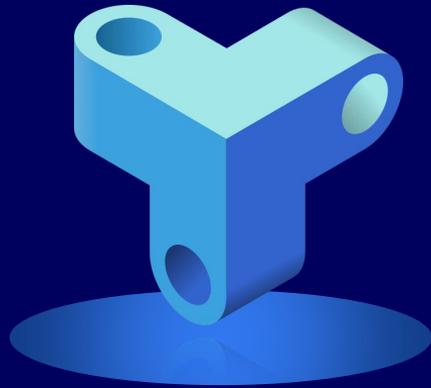
Every Alternate Thursday

8am PDT / 11am EST / 15:00 UTC / 17:00 CEST

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Data Modeling and Representation Working Group



Data Modeling and Representation Working Group

Working Group and Task Forces

- **Data Modelling & Representation WG** Chairs (N.Thomson, S. Milstein) - meet bi-weekly
 - Focus on data, modelling & representation
 - Contributor (data perspective): Governance (Issuer Req, Attraction Pass,...)
- Recent work
 - Data access and query permissions - leveraging the OCA/layered schema model for CRUDA+ type permissions and query filtering at the Data “coal face” (Source)
 - Data Privacy - what is the future of controlling us of PII/sensitive data?
 - Selective disclosure of PII & personal data (via consent) is essential, but is it sufficient to avoid re-identification via Verifier/Relying Party data processing?

Meeting Times - DRMWG



DRMWG - Every 2 weeks/bi-weekly (Next Oct 3, 2023)
9:00 Pacific / 12:00 Eastern / 16:00 UTC

Future Topics:

- General model for composable data exchange filtering to support role based data access rights
- Proposed model for consent for data processing to avoid PII/Personal data exploitation in chained data processing pipelines

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Human Experience Working Group



Human Experience Working Group

Last Month

- Resume following break, welcoming new members from BCGov and Mitre. Thank you!
- Begin scoping research for Interaction Patterns to:
 - Ensure TF deliverables meet needs of ToIP members for maximum business value
 - Understand key needs/ issues for both businesses and end-users
 - Gather input and content for TF deliverables

Next Month

- Publish Interaction Patterns research survey in time for next All-Member meeting

Seeking contributors to Interaction Patterns TF - designers, psychologists,
human resource experts...



Meeting Times - HXWG

HXWG

NA / EU First Thursday of each month at 16.00 UTC = 9.00 PT.

Next call is ***Thursday 5th October 2023 at 9.00 PST***

Task Force Interaction Patterns

2nd and 3rd Thursday of the month at 16.00 UTC = 9.00 PT.

First call is ***Thursday 21st September at 9.00 PT***

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Next All Members Meeting

October 18th, 2023

“IIW Recap and General Discussion”



Open Discussion



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