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

New Members Review

Contributor Organizations	Contributor Individuals	Steering Committee
Good Future	Andrew Escobar	Global Legal Entity Identifier Foundation (GLEIF)
Netcetera		

Foundation Wide

Updates & Announcements

Conferences

- **Internet Identity Workshop (IIW), April 16th-18th**
Computer History Museum Mountain View CA

  ToIP 20 % Discount Code on Registrations: TOIP_XXXVIII_20

- **Open Source Summit North America - April 16th-18th**
Seattle, WA

- **European Identity and Cloud Conference - June 4th - 7th**
Berlin, Germany
ToIP Panel: Friday, June 7th at 1:30pm
The Emerging Trust Layer for the Internet: Using Minimum Viable Protocols to Achieve Maximum Interoperability

Upcoming Conferences

We've Got Buttons

See Judith at IIW to grab yourself a button to proudly wear, or DM her if your not going to be at IIW and need one for another conference.

Public Review

Keri Suite of Specifications

The Authentic Chained Data Containers (ACDC) Task Force is pleased to request public review of the following deliverables:

1. Key Event Receipt Infrastructure (KERI) specification
2. Authentic Chained Data Containers specification
3. Composable Event Streaming Representation specification

30 Day Public Review starts today.

There will be a 20 day huddle to review the comments before IIW, so please review ASAP.

# V3.0 ToIP Stack Diagram Deck

Special Thanks to John Phillips!

- **We have decided that a single diagram to explain the ToIP Stack is not enough for various audiences.**

- **John has come up with a design plan so that we can have a set of unified diagrams that meet specific purposes and audience. "Think a set of architectural blueprints"**

- **Using that template, several working group have been collaborating to come up with different concepts which can been seen in [this deck](#). The next slide is a sample...**
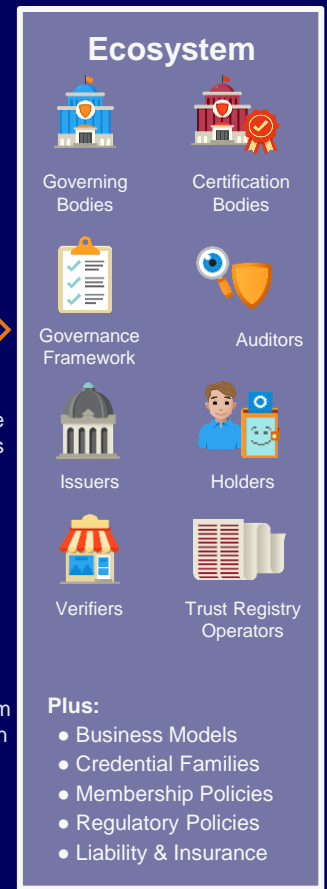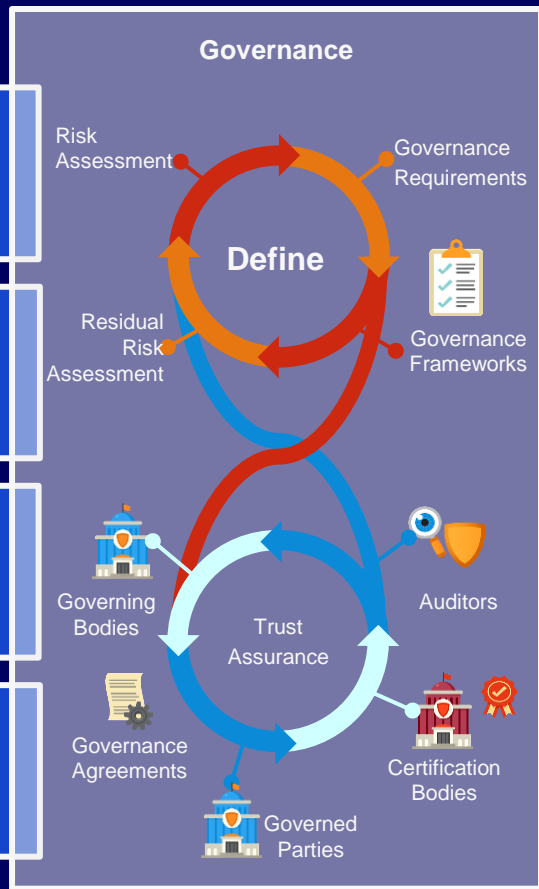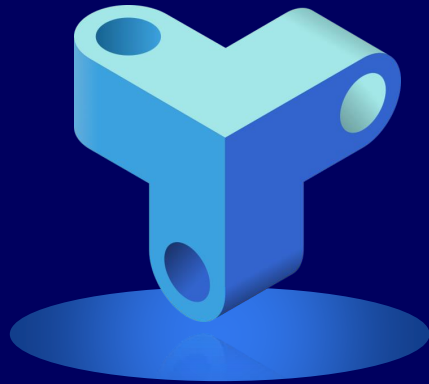
Working Group Updates

Human Experience Working Group

Human Experience Working Group

Last Month

- Digital Wallet Survey Presentation Draft
    - https://docs.google.com/presentation/d/1QcVI-5jghCO3jKuX1Dt8CKeD68rbKL9i/edit?usp=drive_link&ouid=106650994914452554902&rtpof=true&sd=true
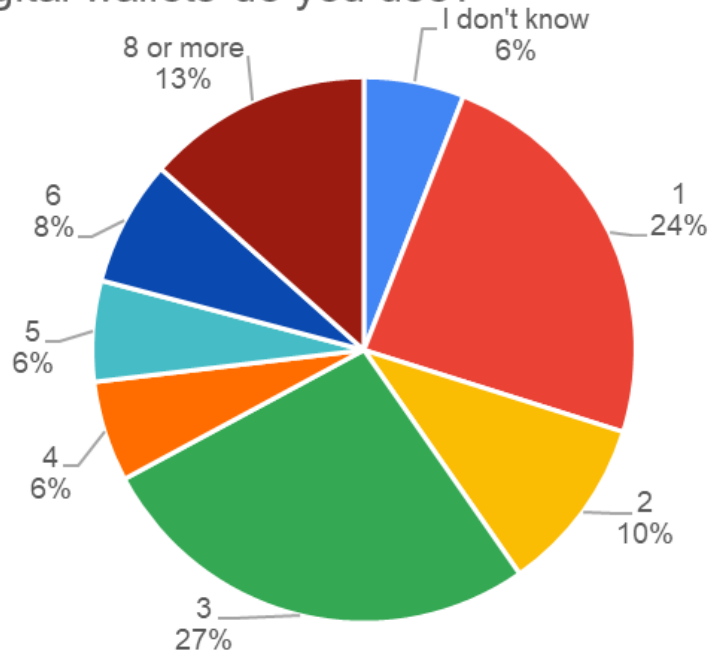
Next Month

- EFWG Feedback 28th March
- Full review and discussion HXWG 4th April
- Publishing analysis and blog post 12th April
- Gathering input from those who offered further insights
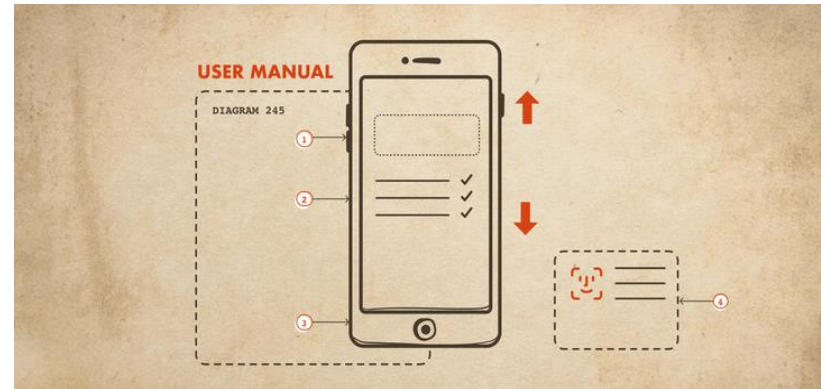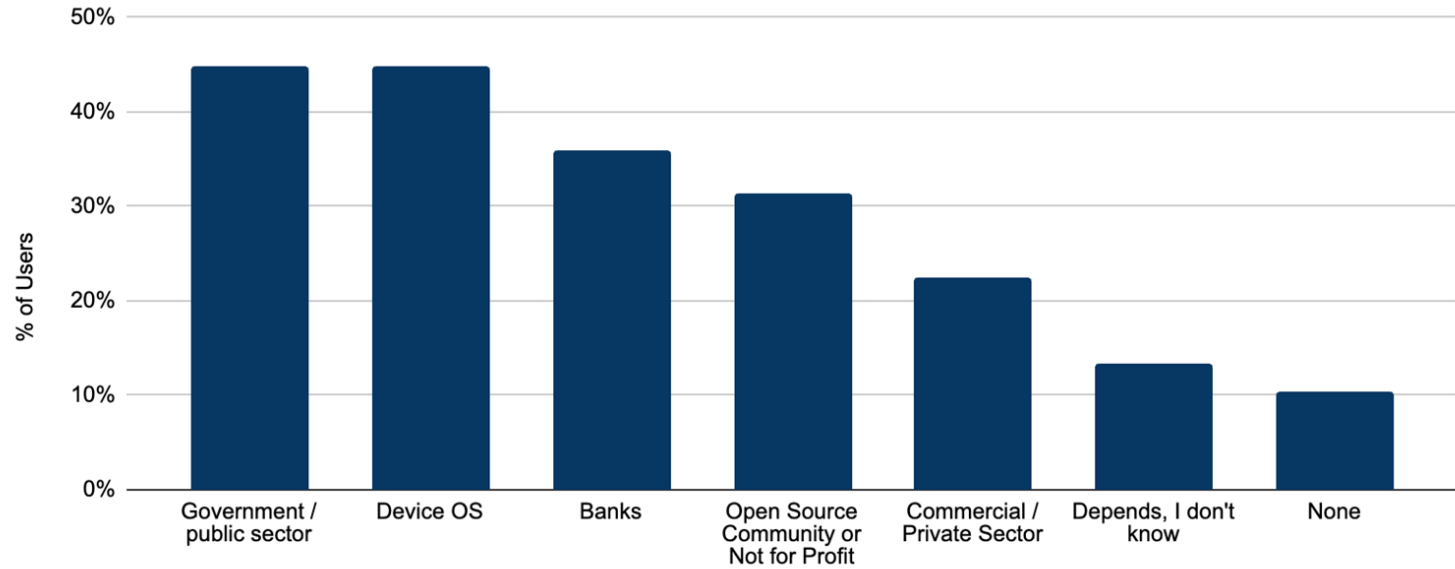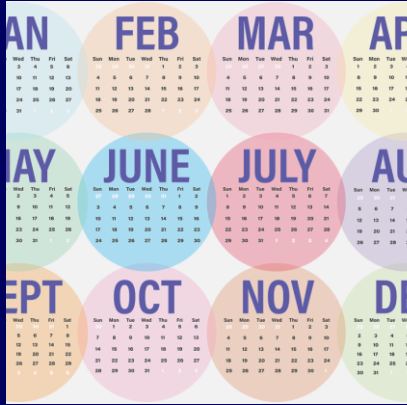

New Chair: Andy Woodruff

Survey Insights

How many digital wallets do you use?

- I don't know — 6%
- 1 — 24%
- 2 — 10%
- 3 — 27%
- 4 — 6%
- 5 — 6%
- 6 — 8%
- 8 or more — 13%

Meeting Times - HXWG

HXWG

NA / EU First Thursday of each month at 17.00 UTC = 9.00 PT.

Next call is ***Thursday 4th April 2024 at 9.00 PT***

Task Force Interaction Patterns

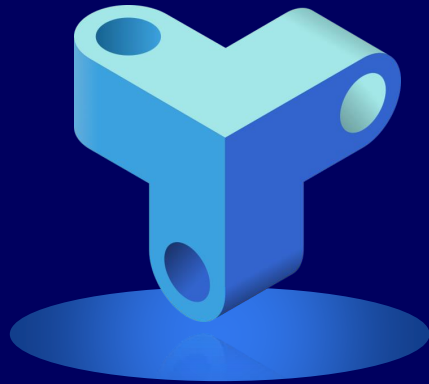2nd and 3rd Thursday of the month at 16.00 UTC = 9.00 PT.

Presentation:

EFWG meeting on March 28th

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Concepts and Terminology Working Group

ToIP Glossary published as a ToIP Specification

- **https://trustoverip.github.io/ctwg-main-glossary/**

- Includes almost 400 terms that we want to harmonize across all ToIP deliverables

- It does not preclude any WG from defining additional specialized terms for a deliverable-specific glossary

- Next steps: schedule reviews with each of our WGs and TFs

  - See if there are any issues with terms already included

  - See if a WG or TF needs additional terms defined

New Spec-Up Glossary Functions

- Spec-Up is a Decentralized Identity Foundation (DIF) open source project: https://identity.foundation/spec-up/

- It includes a basic glossary feature for defining terms and referencing (linking) them within a Spec-Up document

- Brian Richter has written code for two new Spec-Up functions:

  a. Referencing definitions from an **external** Spec-Up document (which you can use to reference terms from the ToIP Glossary)

  b. Flagging if you have a undefined reference or an unreferenced internally glossary term ("hanging refs and defs")

New Terminology Governance Guide

- https://trustoverip.github.io/ctwg-terminology-governance-guide/

- Work being led by CTWG co-chair Henk van Cann

- Will provide overall guidance for development of terminology across all ToIP WGs and TFs

- Will guide the development of our Terminology Engine V2 (TEv2) code base for full-featured glossary management

Meeting Times - CTWG

Every other Monday
10:00 Pacific / 13:00 Eastern / 17:00 UTC

Co-chair: Drummond Reed
Co-chair: Henk van Cann

Goal: <u>Practical</u> application of Concepts and Terminology
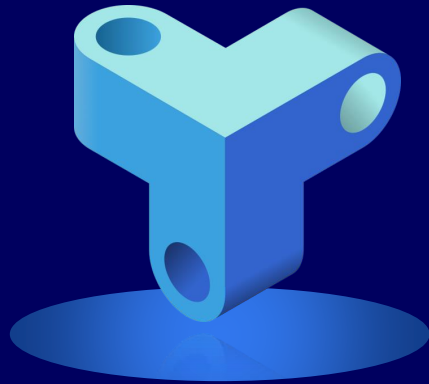In the spirit of the toolbox & guidelines.
Hopefully means:
1. More effective communication
2. More detailed background information
3. Architectural decisions clearer

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Technology Stack Working Group

Technology Stack Working Group

8 Active Task Forces

1. Technology Architecture TF ⇐ **2ND PUB REV DRAFT BY IIW**
2. ACDC Task Force ⇐ **3 SPECS TO PUBLIC REVIEW IN MARCH**
3. AI & Metaverse Task Force ⇐ **NEW CALL FOR PARTICIPATION**
4. Trust Registry Task Force ⇐ **IMPL DRAFT IN MARCH**
5. Trust Spanning Protocol Task Force ⇐ **IMPL DRAFT IN MARCH**
6. Credential Exchange Protocols Task Force
7. did:webs Method Task Force ⇐ **SPEC IN POST-PUBLIC REVIEW**
8. X.509 VID Task Force

Two New Asynchronous Task Forces

No regular meetings

- Service Discovery Task Force (Andor Kesselman)
  a. Standardized discovery of a functional profile of any online service
  b. Can apply to any ToIP protocol or service endpoint
  c. https://wiki.trustoverip.org/pages/viewpage.action?pageId=74875289

- Specification Template Task Force (Kevin Griffin)
  a. Standardizing the Spec-Up template for all ToIP specifications
  b. https://wiki.trustoverip.org/pages/viewpage.action?pageId=74875300

Technology Architecture Task Force

- Continuing work on [ToIP Technology Architecture Specification V1.0](#)
  a. First Public Review Draft published Nov 2022
  b. Waiting for TF feedback to publish Second Public Review Draft
  c. Working asynchronously — only meeting as needed
- Two major tasks largely finished
  a. [Canonical Use Cases for the ToIP Stack](#)
  b. [ToIP Glossary](#)
- **Final task: 3rd generation conceptual diagram of the ToIP stack**

ACDC Task Force

Announcing Public Review!

AI and Metaverse Task Force

- The AI and Metaverse Task Force (AIMTF) has launched the Authentic Generative AI initiative to study and produce a specification of sharing authentic data between authenticated endpoints. This work intends to combine the strength of TSP specification and C2PA specification and Verifiable Identifiers.

- The TF is calling for use cases. To participate, please read the background and contribute your use cases in this **PROPOSAL** doc.

- Please join the meeting series at 9AM PT (bi-weekly).

- AIMTF also hosts an ongoing series of expert & community presentations. To present or recommend a person/topic, please contact co-Chairs Wenjing Chu and Anita Rao.

Trust Registry Task Force 2.0

- Meeting every Thursday (NA/EU & APAC)

- Deliverables under way:

  - Trust Registry Protocol Specification ⇐ **SHOULD BE IN PUBLIC IMPLEMENTER REVIEW IN Q1**

  - Trust Registry Protocol Companion Guide ⇐ **WILL FOLLOW THE SPEC**

Trust Spanning Protocol Task Force

- Meets every Wednesday (both NA/EU and APAC)

- Deliverable is the **ToIP Trust Spanning Protocol Specification**

  - A keystone of the entire ToIP stack

  - See the 18 requirements in the [ToIP Technology Architecture Spec V1.0](#)

- **First Implementer's Draft planned for the end of March** — major kudos to lead author Wenjing Chu and "Hawkeye" Sam Smith

- If you want to learn more about the seven pillars of the design, we highly recommend [the August ToIP blog post](#)

Credential Exchange Protocols Task Force

- Task Force resumed on February 14, 2024 - bi-weekly meetings on Wednesdays 9am ET.

- Actively working towards documenting credential presentation protocols against comparison criteria before IIW.

- Planning on calling a session at IIW 38 to show progress and get feedback from community on where to take this effort.

- If you want to learn more about the task force, we recommend reading the [the October ToIP blog post](#)

DID Method webs Task Force

- Meets Fridays at 15:00 UTC

- Rationale for this TF: The founders saw an opportunity to secure the relatively insecure did:web method by "tunneling" a self-certifying identifier (autonomic identifier or AID) inside a did:web URL

- The spec was drafted in GitHub using the SpecUp tool

- The V1.0 spec public review period ran December 2023-Jan 2024

  - Currently making revisions based on public review feedback

  - Targeting V1.0 release in Q1 2024

X.509 VID Task Force

- Meets every other Thursday at 8:30AM PT / 15:30 UTC

- Chaired by Eric Scouten, Identity Standards Architect for Adobe's Content Authenticity Initiative (CAI)

- Goal is to specify a deterministic way to use a traditional X.509 digital certificate as a Verifiable Identifier (VID) with the ToIP Trust Spanning Protocol

- Recently adopted a partially-developed specification published by Microsoft as our starting point

- Converted to Spec-Up, identifying issues that need to be addressed

Meeting Time -TSWG

Plenary meeting once every four weeks on Tuesdays
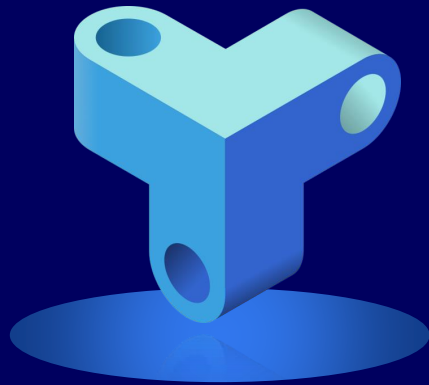NA/EU: 08:00-09:00 PT

Next meeting is **Tuesday April 18 (at IIW)**

NEW WEEKLY APAC TSWG REPORT-OUT MEETING
Covers all TSWG Plenary and Task Force meetings
WEDNESDAYS 15:00-16:00

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Governance Stack Working Group

Governance Stack Working Group

Focus on 2024:

- Third Generation Diagrams
- Role Requirements (Trust Registry, Verifier, Holder, etc.)

Three active Task Forces

- **Governance Architecture TF** – Model for the Governance side of the ToIP Stack

- **Attraction Pass TF** creating a model use case for ToIP ecosystem governance.

- **Issuer Requirements TF** – Creating a Governance Metamodel compliant set of requirements targeted to just issuers.

Governance Architecture TF

This month took the previous work has seen extension of the previous GATF work into a more generalised ToIP 3rd Gen diagram discussion, here. Tools, templates, videos and examples saved to TOIP folder (here)

Templates and themes

Rich representations

V3 Glossy image development

Attraction Pass Task Force — **Latest Work**

- **Planning for remainder of 2024**
  - Work To Date - Pass-buyer trust & provenance, Pass lifecycle (differences vs VC), Pass analytics & Privacy
  - Next steps
    - Risk Assessment, review of risk work to date, deep dive w Risk templates, GLEIF's assessment, workflow vs structural risks
    - Multi-Attraction Passes - what additional considerations for Governance?
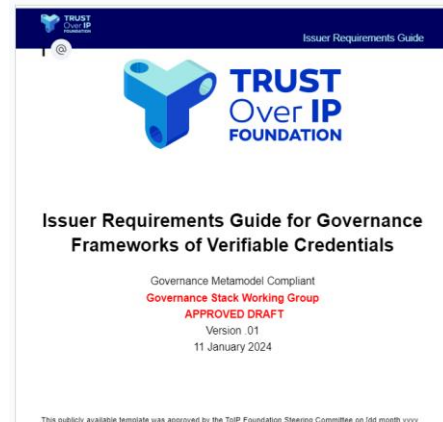
Attraction Pass Task Force

Cross Over - consumer/travel profiles

- Leverage Governance and "Pass" Workflow,
  Understand Pass consumer personalization profile roel

  - Hospitality & Travel

  - DIF Travel Profile

Every two weeks (Apr 2) : 11 AM EST, 9 AM PST, 16 GMT

Issuer Requirements TF

- ToIP Steering Committee agree to issue GSWG Document and solicit public feedback

- [Document](#) is now on ToIP Deliverables page

- Blog Post is forthcoming

- TF has been suspended until public comments are received

TRUST Over IP Foundation

Issuer Requirements Guide for Governance Frameworks of Verifiable Credentials

Governance Metamodel Compliant
Governance Stack Working Group
APPROVED DRAFT
Version .01
11 January 2024

This publicly available template was approved by the ToIP Foundation Steering Committee on [dd month yyyy]

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
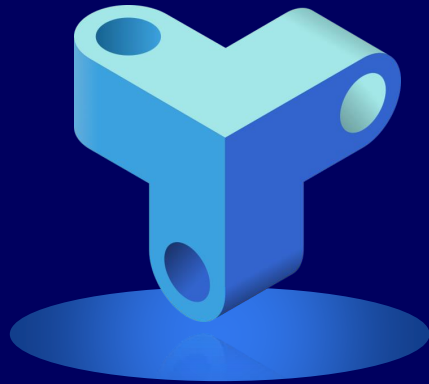- APAC: 21: Tues EST/ 6:30 Weds IST/ 11: Weds AEST

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
- [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. (If anyone wants to volunteer to do the formatting, it would be greatly appreciated)
- We are currently contributing all of our ongoing efforts to the **Governance Architecture Task Force**.
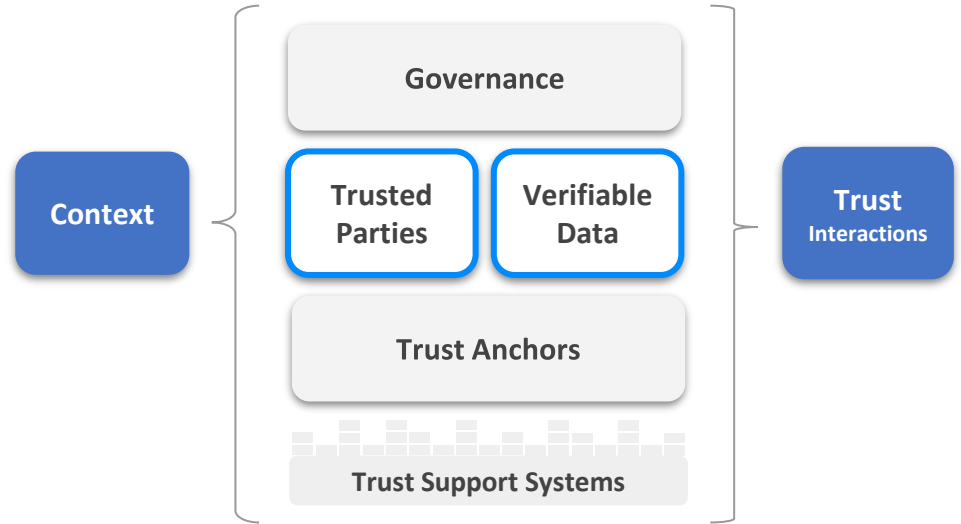
Ecosystem Foundry Working Group
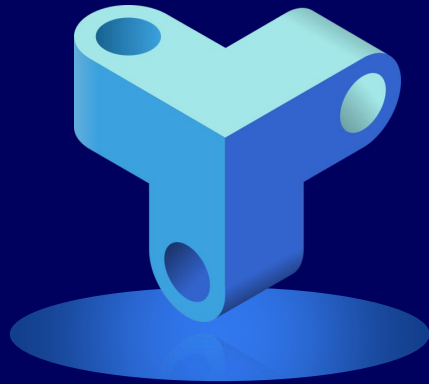
Ecosystem Deliverables

Continuing drafting "**ToIP Digital Trust Ecosystem Components**" paper.

- Ecosystem components / labels are being refined, stabilizing

- Two Case Studies are being written to test the components structure:

  - BHUTAN NDI

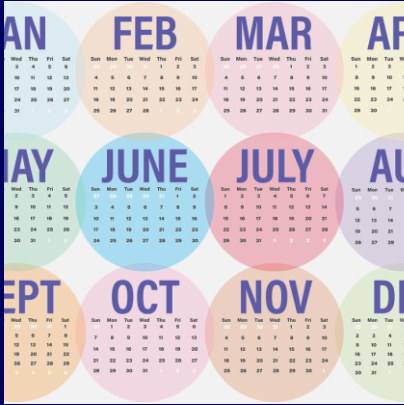 - BC ENERGY & MINES DIGITAL TRUST

2024 Upcoming Presentations

- 28 March: Human Experience Working Group will share their work on **Interaction Patterns Wallet Survey Analysis**

- 11 April: **Switchchord** - an identity focused platform creating tools for music creators and organizations that connect parties through verifiable data.

Meeting Time - EFWG

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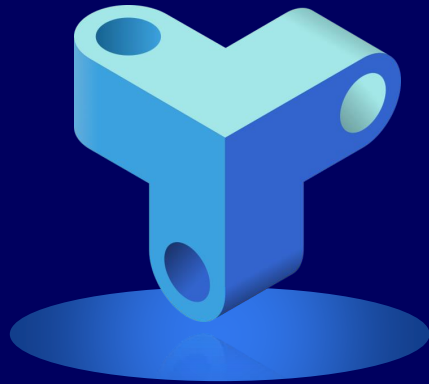8am PDT / 11am EST / 15:00 UTC / 17:00 CEST

Next Meetings:

- 28 March
- 11 April
- 25 April

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Data Modeling and Representation Working Group

Data Modeling and Representation Working Group

- Meets bi-weekly Tuesdays at 17:00 UTC
- Chairs: Neil Thomson and Steven Milstein
- Focus on data, modelling & representation
  - Contributor (data perspective): Governance (Issuer Req, Attraction Pass,...)
- 2024 Activities
  - Verifier/Service data request/response interface – mandatory/desirable/optional vs. selective disclosure & data privacy
    - Attraction Pass TF
  - DIF Traveler Profile specification
    - Example of non-trivial, potentially widely used Personal Data
    - Modeling, metadata to support Privacy, Data Agreements
    - Understand delta from legacy profiles to SSI/Privacy centric model

Meeting Times - DRMWG

DRMWG - Every 2 weeks/bi-weekly (Next Apr 2, 2024)
9:00 Pacific / 12:00 Eastern / 16:00 UTC

Future Topics:
- Paper Verifiable Data Types (beyond Verifiable Credentials)

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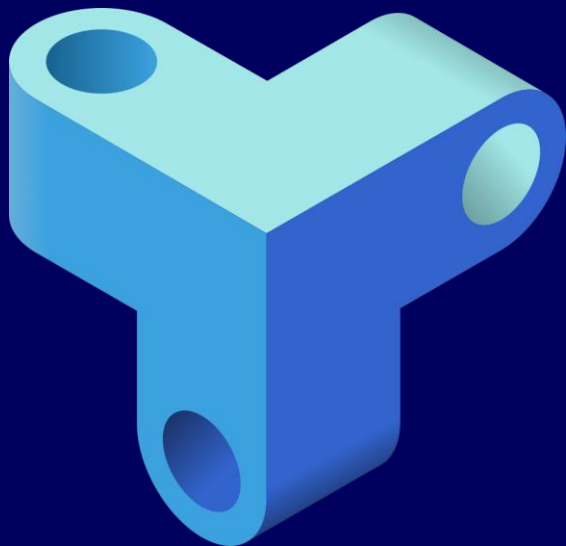
Next All Members Meeting

May 15th, 2024

There will be NO All Members Meeting in
April due to it falling on the week of
IIW and OSS North

Open Discussion

TRUST Over IP FOUNDATION