

Inputs and Semantics Working Group

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Introduction

The Inputs and Semantics Working Group (ISWG) supports a practical approach to further enable the adoption of the Trust over IP dual-stack architecture by bringing a balanced view of decentralized network paradigms to the overall mission of Internet-scale digital trust. All data inputs operated on by any process or system must be authentic with deterministic semantic objects providing meaning and context at the time of capture.

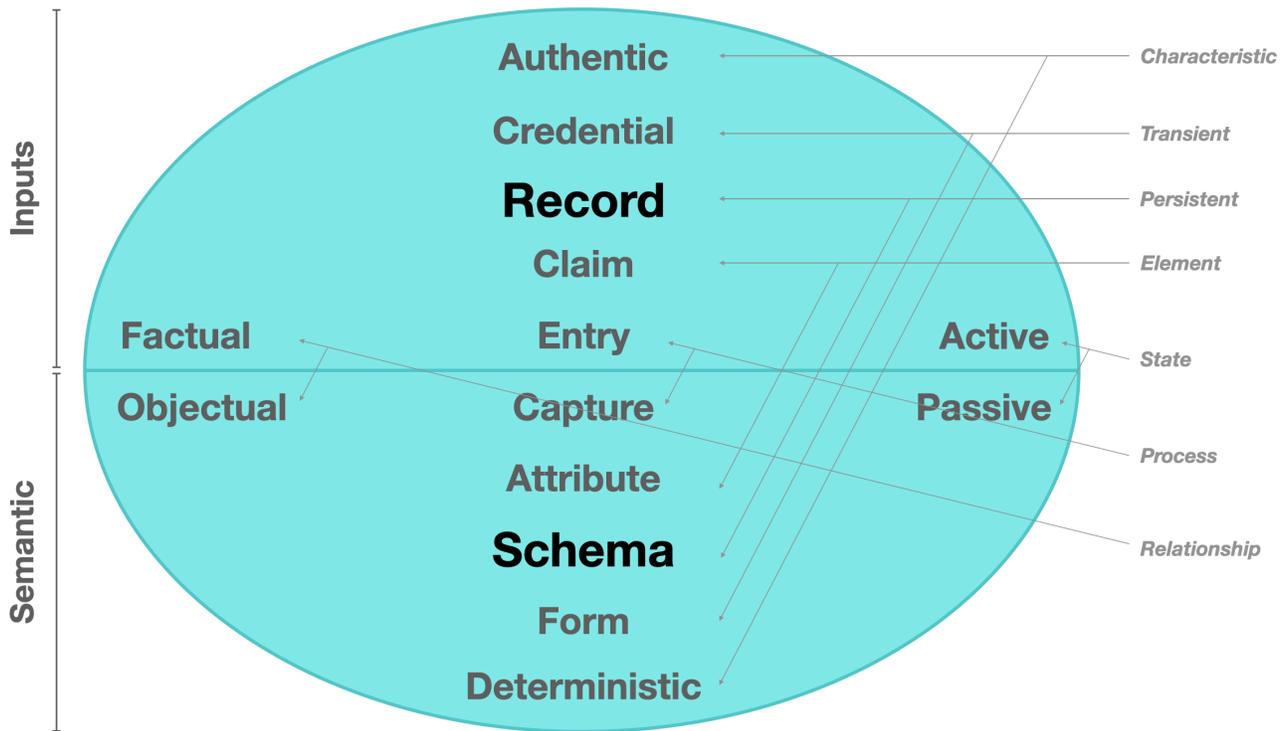


Figure 1. A component diagram showing the inputs and semantic counterparts of a balanced network model

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. Other working group activities will include creating template Requests for Proposal (RFPs) and additional guidance to utility and service providers regarding implementations in that capacity. This WG will be divided into *Inputs* and *Semantic* domain groups and will organize Task Forces and Focus Groups 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.

Meetings

Schedule:

- [Inputs Domain Group](#) (ISWG-I)

The ISWG-I meets weekly on a Wednesday from 09:00-10:00 US PT / 17:00-18:00 UTC

- **Semantic Domain Group** (ISWG-S)

The ISWG-S meets weekly on a Tuesday from 09:00-10:00 US PT / 17:00-18:00 UTC

Deliverables

- Technical specifications for all core components required as defined by the ISWG Scope statement.
- Also, check out the [ToIP Deliverables](#) document for high-level deliverables of the Trust over IP Foundation.

Chairs / Leads

- ISWG Lead: [Paul Knowles](#)
- Co-Convener of ISWG / Chair of the Inputs Domain Group (ISWG-I): [Robert Mitwicky](#)
- Co-Convener of ISWG / Chair of the Semantic Domain Group (ISWG-S): [Paul Knowles](#)
- Co-Convener of ISWG: [Samuel Smith](#)

How to join

You can join the ISWG by signing up for the Foundation mailing list at lists.trustoverip.org. Our mailing list is inputs-and-semantics-wg@lists.trustoverip.org.

Members, as well as observers, are welcome (with the important caveat below).

Participation

For the protection of all Members, participation in working groups, meetings, and events is limited to members, including their employees, of the Trust over IP Foundation who have signed the membership documents and thus agreed to the intellectual property rules governing participation. **If you or your employer are not a member of ToIP, you may not participate in meetings by verbal contribution or otherwise take any action beyond observing.** To join ToIP and be able to contribute, please fill out the light weight membership application on our website [here](#).

[CLICK THIS LINK TO ACTIVELY PARTICIPATE IN THIS WORKING GROUP](#)

Intellectual Property Rights (Copyright, Patent, Source Code)

The WG inherits the IPR terms from the [JDF Charter](#). These include:

- Copyright mode: [Creative Commons Attribution 4.0](#).
- Patent mode: **W3C Mode** (based on the [W3C Patent Policy](#)).
- Source code: **Apache 2.0**, available at <http://www.apache.org/licenses/LICENSE-2.0.html>. The ISWG is not expected to produce source code.