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Decentralized Semantics WG Kickoff Meeting

7 July 2020

 THE **LINUX** FOUNDATION

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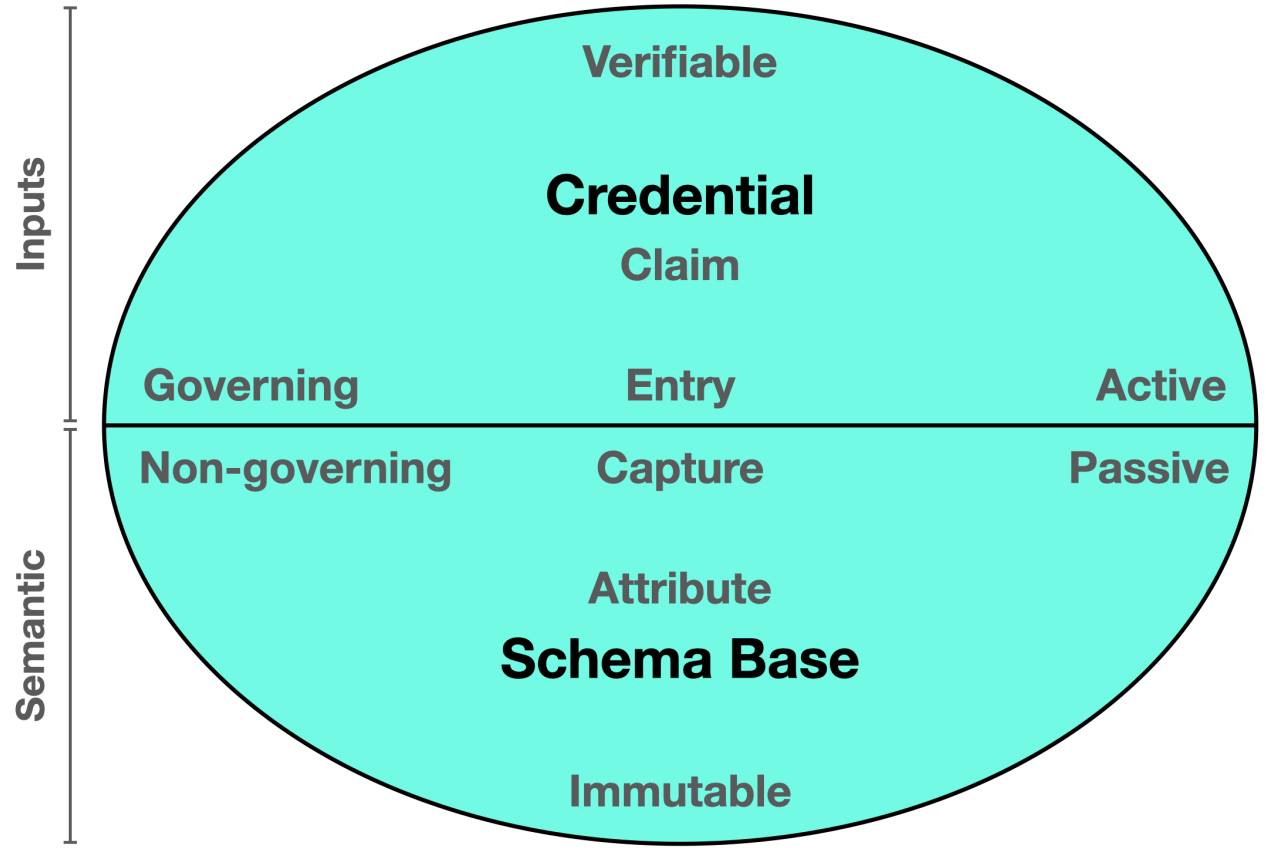
Agenda

1. Welcome from the conveners (Paul, Robert—5 min)
2. Introductions (15 min)
3. Mission and scope of this WG (Paul—10 min)
4. Potential initial work items (Paul—15 min)
5. Logistics (Paul—10 min)
 - a. Mailing list
 - b. Wiki
 - c. Github repo structure (repository of best practices)
 - d. Task Forces
 - e. Chairs
 - f. Meeting schedule

What is Decentralized Semantics?

Data [semantics](#) is the study of the meaning and use of specific pieces of data in [computer programming](#) and other areas that employ data. When studying a language, semantics refers to what individual words mean and what they mean when put together to form phrases or sentences. In data semantics, the focus is on how a data object represents a concept or object in the real world. The term “Decentralized Semantics” is a representation of “data semantics” within an age of distributed ledger technology (DLT) solutions which continue to mould the current decentralization movement.

Characteristics of a decentralized network



Introductions (30 seconds!)

1. Name
2. Location / time zone
3. Affiliation(s)
4. One-sentence summary of your interest in Decentralized Semantics (or **one particular semantics-related** issue you personally want to see solved)

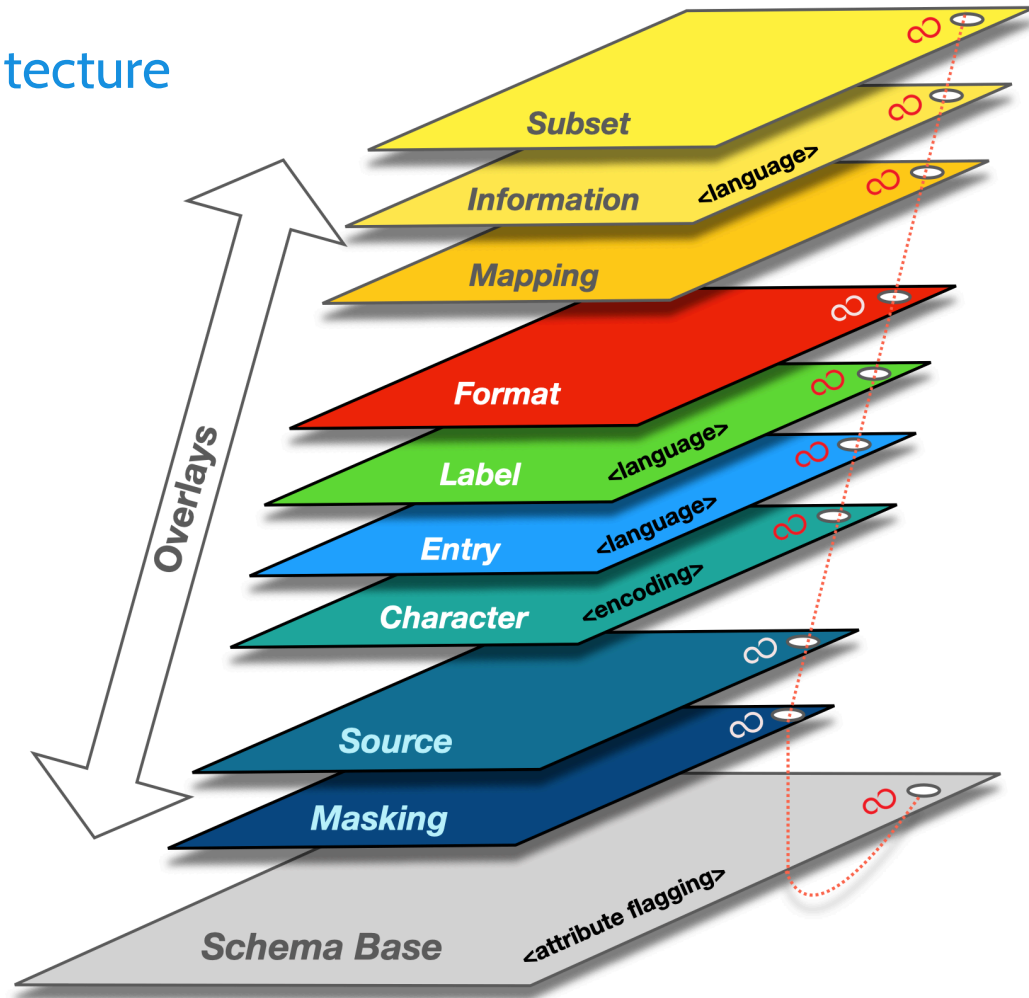
Mission and Scope of the Decentralized Semantics WG

Paul Knowles, Human Colossus Foundation
(10 min)

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.

Overlays Capture Architecture (OCA)



Proposed deliverables

1. Technical specifications for all core components required by “Decentralized Semantics” as defined by the *Mission and Scope* statement above.

Potential Initial Work Items

Paul Knowles, Human Colossus Foundation
(15 min)

Suggested initial work items

- › Identify [functionality requirements](#) and desired capabilities that a fully interoperable data capture architecture should offer
- › Work with Task Force conveners to determine (and potentially refine) the scope and objectives of any proposed TFs to ensure alignment with those of the WG
- › Develop and publish a template for TIPs—ToIP Interoperability Profiles

Working Group Logistics

Paul Knowles, Human Colossus Foundation
(10 min)

Standard LF collaboration tools

- › Groups.io mailing lists (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 a WG, simply self-subscribe at lists.trustoverip.org (Governance Stack, Technical Stack, Ecosystem Foundry, Utility Foundry, Decentralized Semantics)
- › Confluence wiki (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.
- › Web (www.trustoverip.org)
 - › In the interim, please send updates directly to tbenzies@linuxfoundation.org

Github repository

- › Github is our primary content repository
 - › <https://github.com/trustoverip>
 - › All deliverables (Markdown documents, other doc formats)
 - › Best practices content
 - › Research documents
- › [Overall github repo organizational proposal from Dan Gisolfi](#)
- › Should we convene a Task Force to design our particular branch(es)?
 - › Structure
 - › Github training sessions/tools

Task Forces

- › Very lightweight collaboration mechanism
- › We can spin one up any time
- › It can last for as little or as long as needed
- › Minimum requirement: a wiki page—see this page for instructions:
 - › <https://wiki.trustoverip.org/display/HOME/How+to+Propose+a+New+Working+Group+or+Task+Force>
- › Can also have a mailing list, github repo, and other tools if needed

Chairs

- › As a Working Group, we elect our own chairs
 - › At least one, and up to three
 - › Two or three is recommended to spread out the load
- › We can periodically rotate chairs as needed
- › Volunteers now?

Proposed meeting schedule

- › Call timing
 - › **ToIP Decentralized Semantics WG**
Every Tuesday starting 07-JUL-2020
09:00 PT, 12:00 ET, 17:00 UK, 18:00 CET



Closing Q & A

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