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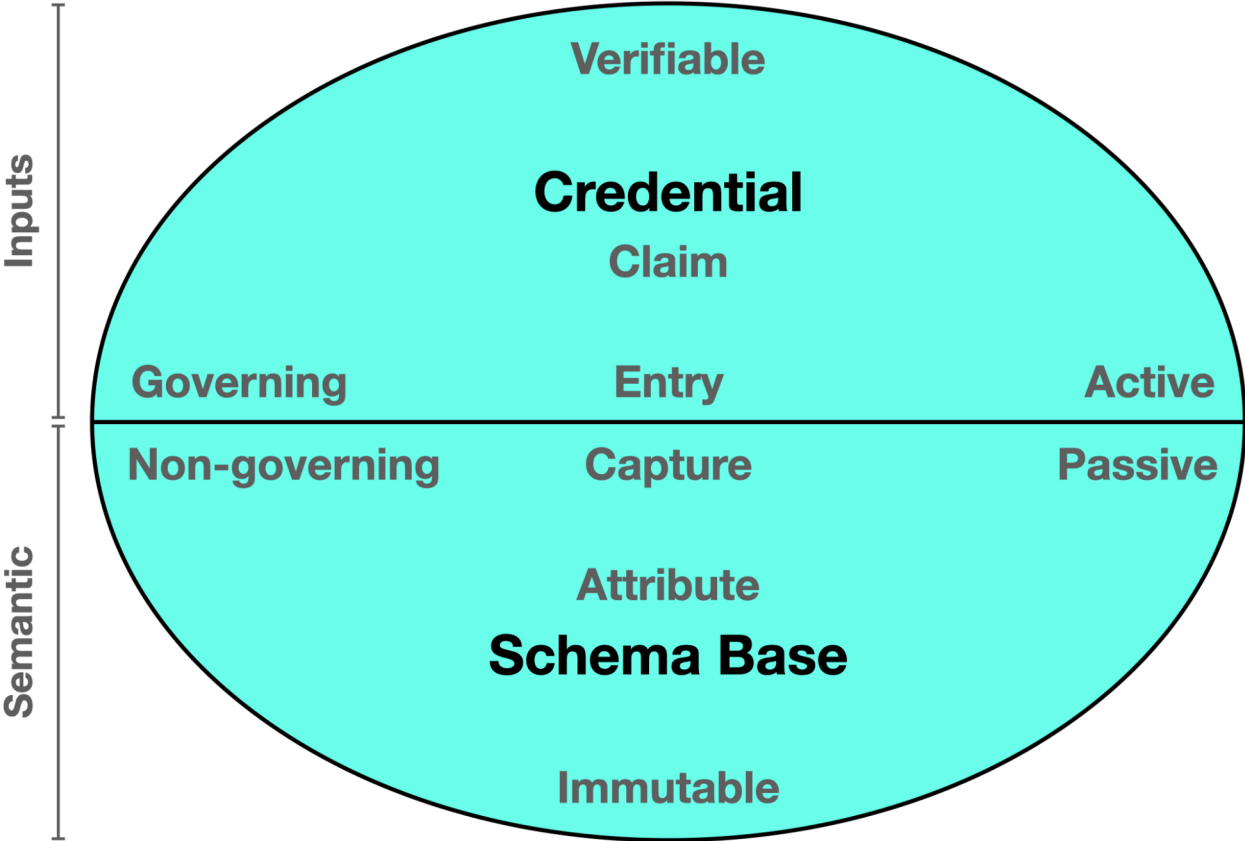
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Agenda

1. Welcome (Paul—5 mins)
2. Newcomer Introductions (5 mins)
3. Mission and scope of this WG (Paul—5 mins) [optional]
4. Pitch #1: Imaging Task Force (Scott—15 mins)
5. Pitch #2: Medical Information Task Force (Scott—15 mins)
6. Pitch #3: Notice & Consent Task Force (Mark—15 mins)
7. Logistics (Paul—5 mins)
   a. Chairs
   b. Meeting schedule

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Newcomer 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)

Characteristics of a decentralized network

Ref.: https://humancolossus.foundation/blog/active-and-passive-identifiers

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Mission and Scope of the Decentralized Semantics WG

Paul Knowles, Human Colossus Foundation

(5 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.

Pitch #1:
Imaging Task Force

Scott Whitmire, Mayo Clinic (15 mins)

Mission and scope

The mission of the Imaging TF is to facilitate the creation, deployment, and use of standard semantics related to storage, search, retrieval, transfer and use of images of all formats. Part of these semantics include the ability to detect if, when, how, and by whom, an image has been modified from its original content.

The scope of the Imaging TF is all currently standard non-specialized imaging formats (e.g. PNG, TIFF, GIFF, JPEG, BMP), and any new non-specialized imaging formats that come out in the future. Specialized imaging formats, such as those used in medical imaging, will be assigned to separate TFs that will build upon the work of the Imaging TF.

Objectives

Design and create a schema base suitable for use for all types of images as well as the overlays necessary for use with the currently common image formats

Create templates and processes to develop and deploy overlays to extend the base schemas to other image types, such as the rich metadata associated with medical imaging. The overlays created by the TF and others will include pointers to image interpretation algorithms appropriate for the image format and compression scheme

Advocate base schemas and overlays as international standards for image metadata

Pitch #2:
Medical Imaging Task Force

Scott Whitmire, *Mayo Clinic* (15 mins)

Mission and scope

In conjunction with various standards efforts already underway, the MITF will design and enable the creation of the data infrastructure necessary to establish a framework for decentralized digital identity and credentialing to support patient-centric health data exchange and consent management. The MITF will lead the way in the creation of ToIP ecosystems for medical information, combining clinical data and imaging into a unified package centered on individual patients, organized anatomically, and controlled directly by the patient.

The scope of the MITF is the creation and maintenance of schema bases and overlays necessary to combine clinical data with imaging data for individual patients. The mission includes proof-of-concept activities such as creation of tools to stand up and operate the data aggregation necessary to make available information that originates with multiple, often competing providers.

Objectives

Design and develop schema bases and overlays to enable most common clinical data to be captured, searched, retrieved, stored, and shared

Building on the work of the Imaging TF, create extension overlays for the commonly used types of medical imaging (e.g. MRI, PET, CT-Scan, CAT-Scan)

Create or enable the creation of prototype data vaults that support the capture, search, retrieval, and sharing of medical data organized by patient and their anatomy

Participate in consortia to develop ecosystems based on the concept of patient-controlled, shareable clinical and imaging data for use by the wider healthcare community, including research and public health

Support the concept of a trusted, decentralized digital identity that can be associated with patient data and incorporate national patient identifiers and patient matching mechanisms

Pitch #3:
Notice & Consent Task Force

Mark Lizar, Open Consent Group (15 mins)

Mission and scope

The mission of this TF is to integrate Digital Ledger Consent solutions into the governance stack using [OCA](), the new ISO 29184 Online Privacy Notice & consent controls to specify, collaborate and champion a Unified Personal Data Control Vocabulary (UP-DCV) for the lifecycle of consent.

Unifying the consent record information structure across both ISO streams so that it can be used with the current ISO Blockchain standards effort, beginning with a TIP.

Objectives

Design and create a schema base that covers international notice and consent requirements as well as the overlays necessary to facilitate and drive a unified data control standard.

Create templates and processes to develop and deploy overlays to extend the parent schema base for country-specific and regional capture variations according to local laws and regulations. The overlays created by the TF and others may include pointers to common ontologies, taxonomies and other resources which are hosted at the Linux Foundation or at other external standards developing organizations (SDOs) for the benefit of notice and consent practices.

Coordinate activity with the Governance Stack Working Group on matters of notice and consent.

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?

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Meeting schedule

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

› Next meeting
  › July 28th, 2020

Closing Q & A

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