



TRUST
Over **IP**
FOUNDATION

Semantic Domain *(ISWG-S)* Weekly Meeting

26 January 2021

 THE **LINUX** FOUNDATION

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Agenda

- › 1. Welcome (Paul—2.5 mins)
- › 2. Newcomer Introductions (Paul—2.5 mins)
- › 3. Task Force Updates (WG—5 mins)
- › 4. Presentation: Master Mouse Model, a roadmap to a DDE (Paul—25 mins)
- › 5. Discussion: CDC COVID-19 Vaccination Reporting Specification in OCA format (Paul—20 mins)
- › 6. Logistics and miscellaneous (Paul—5 mins)
 - › a. News from the Operations Team
 - › b. Leadership positions
 - › c. Meeting schedule

Newcomer Introductions

(30 seconds!)

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

Task Force/Focus Group Updates

(5 mins)

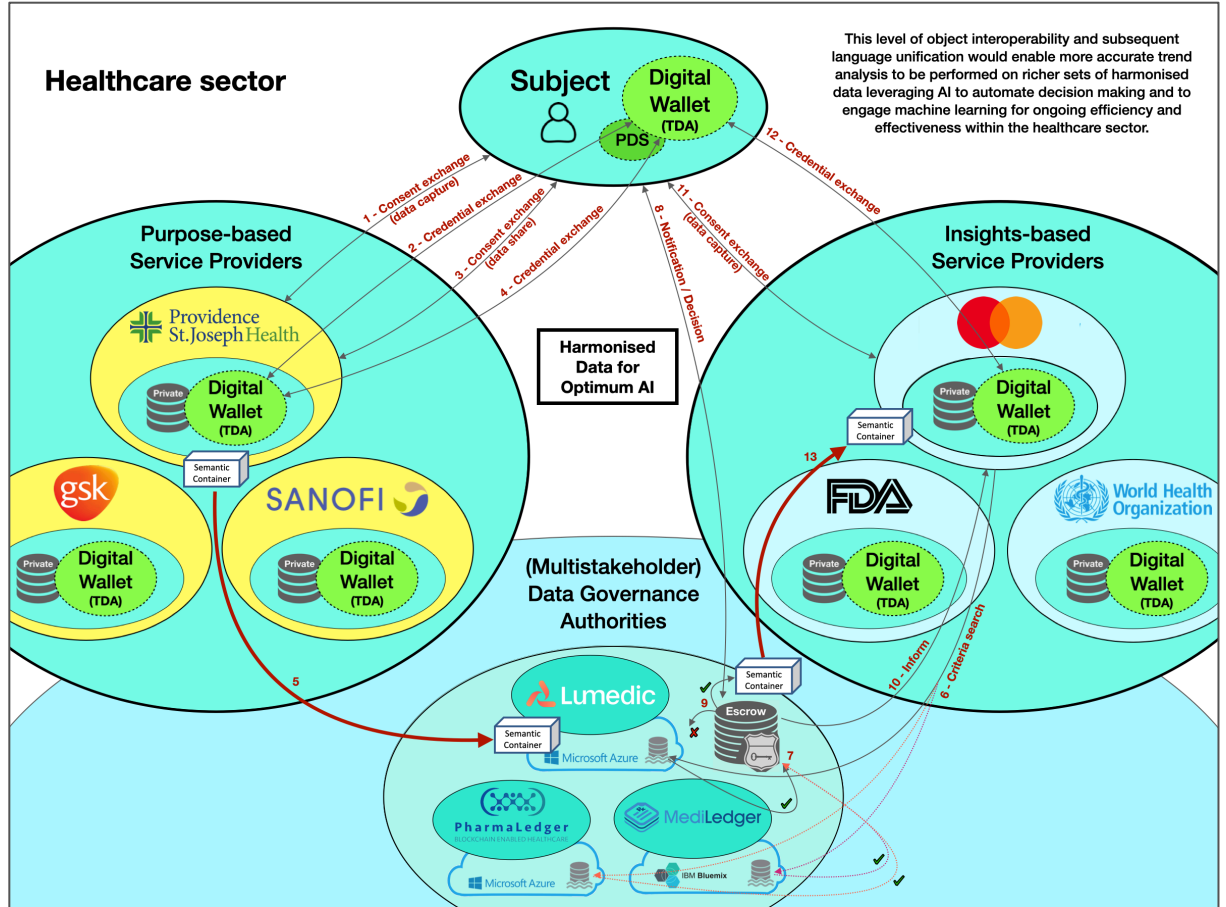
- Medical Information TF (Scott)
- ✓ FHIR FG (John/Mukund)
- Notice & Consent TF (Mark)
- Privacy & Risk TF (Jan)
- Storage & Portability TF (Christoph)

Presentation:
Master Mouse Model, a roadmap to a DDE
(25 mins)

Presented by: P. Knowles

Master Mouse Model

Roadmap to a ...
Dynamic Data Economy



Purpose-based Service Providers

- A company's "why" is a collective sense of purpose that reflects the company's merit, trustworthiness, and authenticity. It is the feeling the company wants their customers to experience when they engage with proprietary products and services – the identity that their customers want to align with.
- Establishing authentic communication channels in a peer-to-peer networking environment provides the basis to initiate transaction flows for consented data capture and data sharing between an organisation and the *data subject* (or a delegate/guardian acting on behalf of the *data subject*).

Purpose: Assured data provenance

Pros: Authentic data with explicit consent

Ref.:

<https://blog.frontrunnerfilmsllc.com/why-your-why-should-be-the-heart-of-brand-purpose-based-marketing/>

Insights-based Service Providers

- The value of data insights is not only to learn and enable validated decision-making, but also to make everybody in the company's ecosystem 'move' in the same direction. As today's world is volatile, uncertain, complex and ambiguous, insights need to be generated continuously rather than once in a while.
- Data insights gained from analysing sets of information that pertain to a given topic (or situation) enables businesses to make better-informed decisions, reducing the risk that comes with trial-and-error testing methods. Semantic harmonisation enables criteria searches on structured data from multiple sources, providing the basis to initiate a transaction flow for consented data access between the requesting party and the data governance authority (acting on behalf of consenting *data subjects*).

Purpose: Improved data insights

Pros: New data-driven services

Ref.: <https://philipvandenberg.com/2020/04/08/insights-based-marketing/>

Data Governance Authorities

- Working together as a consortium to steer data governance and prioritise standards to facilitate data sharing between participating members provides an ecosystem for shared knowledge in pursuit of a common goal or objective.

Purpose: Cooperative data governance

Pros: Shared knowledge through collaborative participation

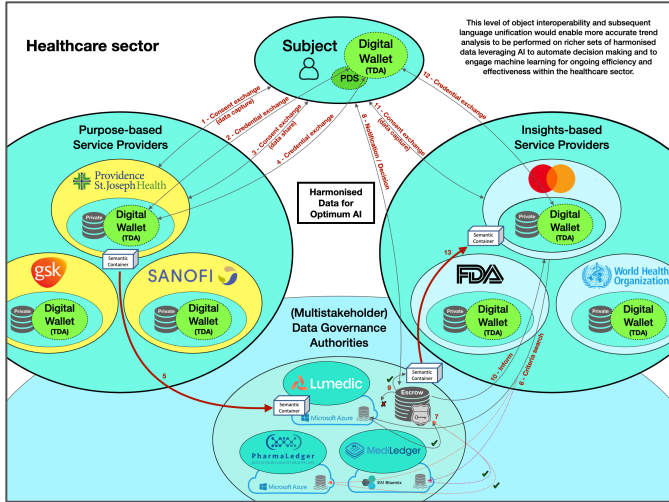


Ecosystems and Data
Governance Frameworks

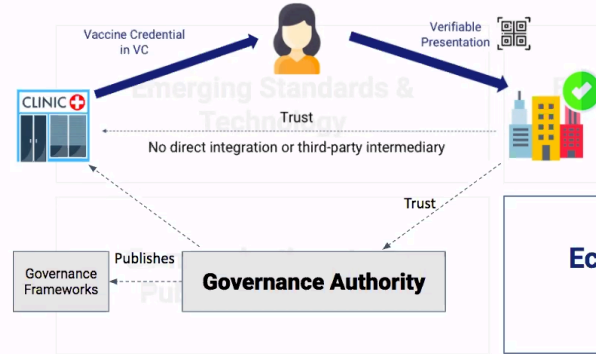
Ref.:

<https://wiki.trustoverip.org/display/HOME/Ecosystem+Foundry+Working+Group>

MMM alignment with SSI models



Implementation & Challenges



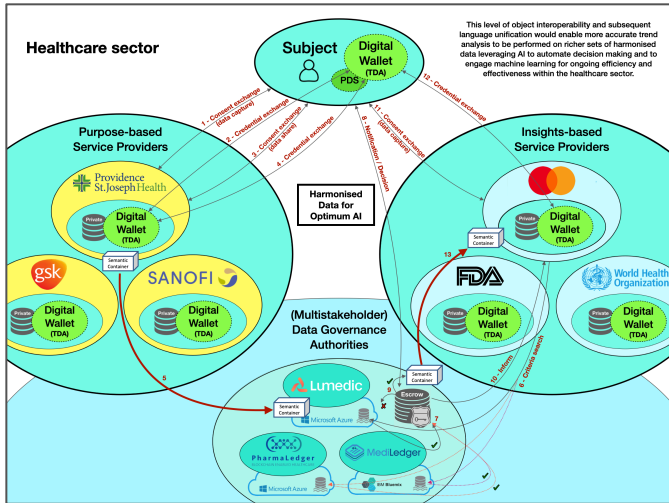
- Who define which issuers have the authority to issue vaccine credentials?
- How is Sarah supposed to know if the verifier has the authority to check her credential?
- What if Sarah doesn't have a smartphone?

Ecosystem Building and Governance

ILF PUBLIC HEALTH

Ref.: <https://www.lfph.io>

MMM alignment with EU's proposed DGA



European Commission > Strategy > Shaping Europe's digital future > Laws >

Shaping Europe's digital future

LAW | 25 November 2020

Proposal for a Regulation on European data governance (Data Governance Act)

The proposal is the first of a set of measures announced in the 2020 European strategy for data. The instrument aims to foster the availability of data for use by increasing trust in data intermediaries and by strengthening data-sharing mechanisms across the EU.

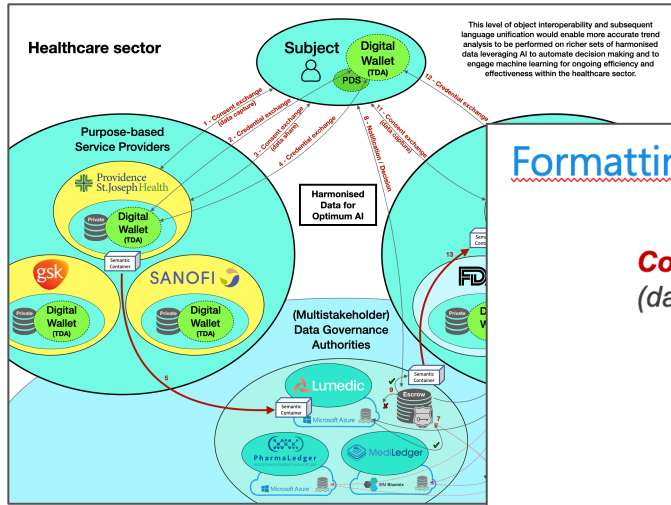
About Building a European data economy

Policies

Blog posts

Ref.: <https://ec.europa.eu/digital-single-market/en/news/proposal-regulation-european-data-governance-data-governance-act>

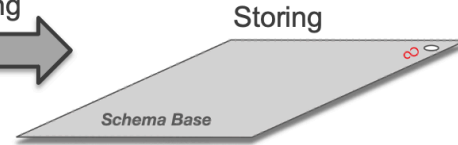
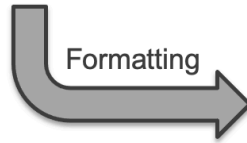
Synergy with Decentralised Data Management



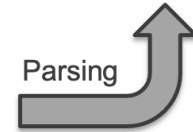
Formatting, Storing, Parsing

Collection representation
(data inputs)

Exchange representation
(data outputs)



Storage representation
(data capture)



ToIP Ecosystems

Data Governance Frameworks for EFWG ecosystems ...

- Human Trafficking Safety Response Task Force
- Internet of Education (IoE) Ecosystem Task Force
- Patient Identity Task Force
- Internet of Research Ecosystem Task Force

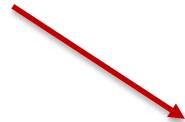
Discussion: CDC COVID-19 Vaccination Reporting Specification in OCA format (20 mins)

Presented by: P.Knowles

<https://editor.oca.argo.colossi.network>

CDC Vaccination Reporting Schema Specification

Schema specification



Technical Standards & Reporting Data to CDC

A strong, nationally coordinated approach is critical to collect, track, and analyze vaccination data, especially in the early phases of vaccine administration. The following provides general information about data reporting needs and requirements for COVID-19 vaccine distribution and administration.



Are you unable to access your jurisdiction's IIS due to technical issues or lack of internet access? [Use this data requirement form](#) to submit your information.

Data Reporting Requirements and Instructions for Jurisdictions and Federal Partners

Appendix C: CDC Comprehensive Vaccine Data Requirements

CDC CVRS What's New in Version 2

CDC COVID-19 Vaccine Reporting Specifications (CVRS) Instructions Version 2

Vaccine Administration Data Use Agreement (DUA)

Data Reporting Requirements and Instructions for Pharmacy

CDC COVID-19 Vaccination Reporting Specification Version 2.5

CDC COVID-19 Vaccine Reporting Specifications (CVRS) Instructions Version 2.5

Additional Information on Enrollment

Supporting Jurisdictions in Enrolling Providers for COVID-19 Vaccination Program

Support for Providers Enrolling in their Jurisdiction's COVID-19 Vaccination Program

OCA: COVID-19 Vaccination Report

COVID-19 Vaccination Report

en_US

Vaccination event ID

The vaccination event's unique identifier within the system. This should be a unique identifier for each vaccination event.

Extract type

Extract type defines whether this file contains completely de-identified data, PPRL ID, or fully identifiable data.

PPRL generated ID

Privacy Preserving Record Linkage ID.

Recipient ID

Unique ID for this recipient. This can be the ID used by your system or a randomly assigned unique identifier. However, the ID must be consistent across reports to allow linking doses to the same recipient ID.

Recipient name: first 

Recipient's first name

Recipient name: middle 

Recipient's middle name

Recipient name: last 

Recipient's last name

Recipient date of birth 

Recipient's date of birth

Logistics and miscellaneous (5 mins)

<https://wiki.trustoverip.org/display/HOME/2021-01-26+Meeting>

News from the Operations Team

Nick Hayfack

(Inputs and Semantics WG representative on the ToIP Operations Team)

The purpose of the Operations Team is to create a small group of ToIP members who will share information on the workplans of our WGs, help ensure that draft deliverables are advancing as intended through the stages of the ToIP workflow, resolve any bottlenecks that arise around decision-making/approvals and discuss issues such as (for example) introducing firmer parameters for the creation of Taskforces under all WGs.

The Operations Team will not be directing or otherwise interfering with the development of content and deliverables in the WGs themselves.

ISWG Leadership positions

- › Inputs Group Chair
 - › **Robert Mitwicky**
- › Inputs Group Vice-chair
 - › **Sam Smith**
- › Semantics Group Chair
 - › **Paul Knowles** (*ISWG Lead*)
- › Semantics Group Vice-chair
 - › **John Wunderlich**
- › Volunteer via the meeting page at ...
 - › <https://wiki.trustoverip.org/display/HOME/2021-01-26+Meeting>

Meeting schedule

- › **Inputs Group** weekly meeting
 - › Wednesday, **January 27th** @ 09:00 US PT / 18.00 CET
 - › Zoom link: <https://zoom.us/j/93406719136?pwd=SUozZHBQM0N5TUhYMhJqL0ZQM3I3Zz>
- › **Storage & Portability TF** bi-weekly meeting
 - › Monday, **February 1st** @ 09:00 US PT / 18.00 CET
 - › Zoom link: <https://zoom.us/j/96177500988?pwd=cDVNS2JzN1YxYXhiUVprWIM0OGQxQT09>
- › **Semantics Group** weekly meeting
 - › Tuesday, **February 2nd** @ 09:00 US PT / 18.00 CET
 - › Zoom link: <https://zoom.us/j/93406719136?pwd=SUozZHBQM0N5TUhYMhJqL0ZQM3I3Zz>
- › **FHIR FG** bi-weekly meeting
 - › Thursday, **February 4th** @ 08:00 US PT / 17.00 CET
 - › Zoom link: <https://zoom.us/j/93406719136?pwd=SUozZHBQM0N5TUhYMhJqL0ZQM3I3Zz09>



Closing Q & A

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