



Global Infrastructure Update

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SIF 3.3 Infrastructure current Work:

- Privacy Framework
 - Privacy Obligation Document (POD)
 - Personal Privacy Obligation Document(P-POD)
 - Data Protection Enforcer
- Data Model Version Negotiation
- JSON Notation support for PESC
- Some smaller other bits...

Privacy Framework

- Well advanced
- Agreement on POD XML. Still need some work on service to manage POD (SIF Utility Service)
- Good understanding what Data Protection Enforcer scope is:
 - Enforce white-list of elements
 - Service that is pluggable with Broker or Provider/Consumer

Data Model Version Negotiation

Current

- 1 Namespace (e.g. `.../au/3.4`)
- Several Data Model Versions (3.4.1, 3.4.2...)

Issue

- How does recipient of data know which version to use and validate against?
- What is it allowed to send in responses?

Data Model Version Negotiation cont.

Proposed Solution

- Leverage the work of W3C around “Profiles”.
 - Use appropriate HTTP Headers to indicate capabilities and/or payload data model versions.
 - Avoid propriety solution
- This is “cutting” edge and W3C proposal is not yet finalised.
 - Might be released in SIF as “Experimental Feature”
- Ensure backward compatibility
 - If SIF Adapters don’t use “profiling” then it falls back to current behaviour (hope for the best 😊).

JSON Notation support for PESC

- Currently SIF has support for JSON.
 - Uses Goessner Notation for mapping between XML \leftrightarrow JSON.
 - Context free mapping with some basic rules.
- SIF has a collaboration with PESC.
 - PESC developed a XSD-Context sensitive JSON mapping.
 - Removes some oddities that are encountered with Goessner mapping rules
- SIF intends to support the PESC approach
 - There will be two (2) JSON notations available (Goessner & PESC)
 - Leverage “Data Model Version Negotiation” proposal to indicate the notation used in payloads.

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Timeline...

- Draft planned by the end of this year.
- Community review Term 1, 2019
- Release Term 1, 2019

These are my timelines. They are not yet set by the Infrastructure Group!