Data Protection Vocabulary

http://w3.org/ns/dpv

W3C Data Privacy Vocabularies and Controls CG

Harshvardhan J. Pandit
PhD Researcher
ADAPT Centre, Trinity College Dublin
me@harshhp.com
Data Privacy Vocabularies and Controls Community Group

https://www.w3.org/community/dpvcg/

W3C Community Group made up of academia, industry, legal experts

Objective: to provide Vocabularies based on the heterogeneity or homogeneity of the agreed upon use cases and requirements, we will define a single or a modular set of vocabularies for exchanging and representing interoperably: personal data, purposes/processing, disclosure/consent, anonymisation, and transparency logs.

Released first draft of Data Protection Vocabulary (dpv)
Access at http://w3.org/ns/dpv
Development at http://github.com/dpvcg/dpv

Welcome feedback and comments !!!
DPV - A collection of vocabularies

Data Subject

Data Controller

Recipient

Processing

Personal Data Handling

Purpose

Legal Basis

Personal Data Categories

Technical Organisational Measures
Personal Data Categories
Technical and Organisational Measure

- **Technical**
  - Encryption
    - DeIdentification/Anonymisation
    - At Rest/In Transfer
    - Access Control Authentication
    - Storage Restriction
      - Location Deletion Duration

- **Organisational**
  - Authorisation
    - Legal Agreement
    - Certification/Seal
    - Risk Management
    - Code of Conduct
    - Design Standards
    - Privacy by Default
  - Guidelines & Principles
  - Staff Training

- **Technical & Organisational Measure**
  - measure implemented by storage location duration
# Representation

<table>
<thead>
<tr>
<th>RDF+OWL2</th>
<th>JSON-LD</th>
<th>Controlled Vocabulary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semantic Web</td>
<td>Web-native JSON</td>
<td>Words only (Text)</td>
</tr>
<tr>
<td>W3C Standards</td>
<td>Ready to integrate</td>
<td>Loses semantics</td>
</tr>
<tr>
<td>Universal Serialisation</td>
<td>Linking vocabularies</td>
<td>Cannot be extended</td>
</tr>
<tr>
<td>Knowledge Graphs</td>
<td>Bridge between semantics and systems</td>
<td>Cannot be reasoned</td>
</tr>
<tr>
<td>Inferences + Rules</td>
<td>Compatible with Knowledge Graphs</td>
<td>Easy to integrate</td>
</tr>
</tbody>
</table>
Ongoing Work

- Examples and Use-Cases
- Expand with more categories
- Recipients, Third Parties, Roles

Contribute

- Join DPVCG
- Send suggestions/comments/feedbacks to public mailing list
- Interact on Github
- Communicate with one of the CG members
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