



W3C ODRL Workshop

20/21 July 2026 - London



A future path for ODRL



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ODRL - How We Got Here



ODRL Initiative



W3C ODRL Community Group

<https://www.w3.org/community/odrl/>



POE Working Group



2000

2011

2016

2018

2026

ODRL Version 0.5 - 1.1

ODRL Version 2.0 - 2.1

ODRL Information Model 2.2

W3C Recommendation 15 February 2018

ODRL Vocabulary & Expression 2.2


W3C Recommendation 15 February 2018

Best Practices

Formal Semantics

Temporal Profile

Community Vocab



IPTC RightsML Standard 2.0


Market Data Profile for ODRL 1.0

Draft Community Group Report 02 November 2021



Data Catalog Vocabulary (DCAT) Version 3

W3C Recommendation 22 August 2024



Workshop on Digital Rights Management

22-23 January 2001, INRIA, Sophia Antipolis, France

Open Digital Rights Language (ODRL) Version 1.1

W3C Note 19 September 2002



OMA Open Mobile Alliance DRM Specification

Candidate Version 2.0 – 16 July 2004

ODRL: A Path Well Travelled

<https://www.w3.org/blog/2018/odrl-a-path-well-travelled/>

ODRL - Recent Activities



International Standard

Information technology — JPEG Trust —
Part 1:
Core foundation

ISO/IEC 21617-1

First edition
2025-01



Study on copyright and new technologies:
Copyright data management
and artificial intelligence

WORLD WIDE WEB CONSORTIUM (W3C)

with standards for signing and encryption; The Open Digital Rights Language (ODRL), a policy expression language that provides a flexible and interoperable information model, vocabulary, and encoding mechanisms for representing statements about the usage of content and services.



INTERNATIONAL DATA SPACES ASSOCIATION



ODRL Profile for Attribute based access/usage control using Verifiable Credential claims

Domains/Sectors

Media, Publishing & Creative Industries (original stronghold)



Finance: Market Data Licensing

JPMorganChase



AI Vocabs



Research/Academic

AgentODRL: A Large Language Model-based Multi-agent System for ODRL Generation

Wanle Zhong, Keman Huang*, Xiaoyong Du
School of Information, Renmin University of China

Denotational Semantics for ODRL:
Knowledge-Based Constraint Conflict Detection

Daham M. Mustafa^{1,2}, Diego Collarana², Yixin Peng⁴, Rafiqul Haque²,
Christoph Lange-Beyer^{1,2}, Christoph Ouz^{1,2}, and Stefan Decker^{1,2}

W3C Standard ODRL Policy gaining industry adoption

<https://www.w3.org/blog/2025/w3c-standard-odrl-policy-gaining-industry-adoption/>

<https://w3c.github.io/odrl/landscape/>

Key Strategic Points



- **The original ODRL Information Model is “sound and robust”**
 - **But needs to be supported by a “Semantic Model” to provide clarity in policy evaluation**
- **The vocabulary is ever expanding (and small community profiles are rare)**
 - **Redesign of the vocab hierarchy (use and reuse...)**
 - **Need a new dynamic way to include new terms and governance**
 - **W3C Registry Track: <https://www.w3.org/policies/process/#registries>**
- **Community Profiles need more tangible guidance**
 - **Develop a comprehensive example to use as a template**
- **Some Community Profiles are very strategic...**
 - **Finance...Media (images)...Data Spaces...AI... ?**
 - **Can these become W3C Recommendations?**
 - **Others may take longer time frames (Publishing...?) and need support in the CG longer term**

Key Strategic Points

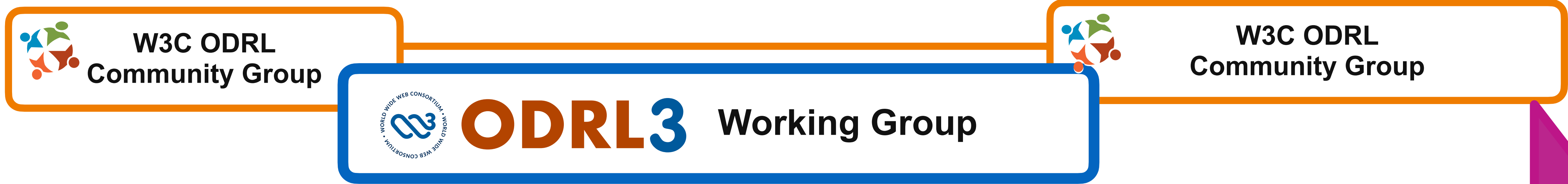
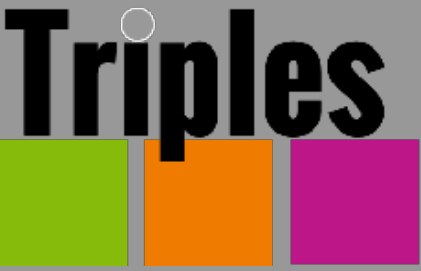


- **ODRL can't do Policy enforcement**
 - **Need new "ODRL Authorisation Profiles"**
 - **Mapping of ODRL to current "Policy Management Platforms"**
 - **CEDAR**
 - <https://docs.cedarpolicy.com>
 - **Open Policy Agent**
 - <https://www.openpolicyagent.org/docs/policy-language>
 - **Google Zanzibar**
 - <https://authzed.com/learn/google-zanzibar#what-is-google-zanzibar>
 - **Greater enterprise integration and industry adoption**
- **Working and supported Reference Software and Tools**

Key Technical Points

- **A new Namespace**
- **Use full OWL concepts**
 - **ODRL is not a SKOS Vocabulary (too limiting)**
- **Need SHACL rules for Validation**
- **Develop a forwards-compatibility conversion process**

ODRL - Future Roadmap



YOU ARE HERE

W3C ODRL Workshop

July London

WG Proposal Breakout

W3C TPAC Meeting October Dublin

START HERE

ODRL3 Working Group

- ODRL3 Core Semantic Model
- ODRL3 Common Vocabulary
- ODRL3 Authorisation Profiles
 - X Auth Profile
 - Y Auth Profile
- ODRL3 Community Profiles
 - Market Data Profile
 - Data Spaces Profile
 - ... Profile

W3C ODRL Community Group

- REC Maintenance
- Vocabulary Maintenance
- Publishing Community Profile
- Media Community Profile
- ... Community Profile
- Z Authorisation Profile

ODRL WG Charter



- **Timeline: Jan 2027 to Dec 2028**
- **Nominate Co-chairs**
- **Determine Task Groups and Leads**
- **Determine Deliverables List (Recs, Registries, Notes)**
 - **Determine Document Editors**
 - **Determine deliverable dependencies and dates**
 - **Some Profiles could start in the WG but may be transferred to the CG**
- **Determine meeting schedule (online and F2F at TPACs)**
- **Determine internal W3C coordination (other WGs)**
- **Determine External coordination**
 - **JPEG Trust**
- **Draft WG Charter should be ready for TPAC meeting (end of October) Breakout Session**
 - **Gather more support/consensus**

ODRL Success (or not)

- **ODRL needs to encourage more Industry participation**
 - **Provide real-world solutions for real-world business challenges**
 - **Support development of working solutions**
- **Top 3 options**
 - **Finance**
 - **Images/Media (aka JPEG Trust)**
 - **Data Spaces**
- **Prioritise business Use Cases**
- **The Charter should reflect this**