Extensions to the Ontology Design Pattern Representation Language

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Outline

● Review of OPLa

● Refining OPLa-core

● The Extensions
  ○ OPLa-cp
  ○ OPLa-sd
What is OPLa?

- The Ontology Design Pattern Representation Language
- Used to express relationships of modules that compose a Modular Ontology
Aspects of Representation

- Structure
- Provenance
- Usage
- Visualization
Aspects of Representation

- Structure
- Provenance
- Usage
- Visualization

- opla-core
- opla-cp
- opla-sd
Refining OPLa-core

- We need to clarify the use of a few of the original annotations
  - `isNativeTo`
  - `ofExternalType`
  - `extractedFrom` and `derivedFrom`
Extension: OPLa-cp

- Absorbing the “cp-annotation-schema”
  - Unification
  - Trimming
  - Use vs. Provenance
Extension: OPLa-sd

- Currently utilized for absolute positioning on a canvas in CoModIDE
- There is (very) recent related work: Gizmo
Open Questions & Future Work

- External or Internal Annotations?
- OPLa ontologies
- Tooling Infrastructure
Thanks!!

Any Questions?

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