

RE4DY

MANUFACTURING DATA NETWORKS

RE4DY TOOLKIT

Name of the Tool	OCES - Ontology Commons EcoSystem
Tool Owner	Industry Commons Foundation
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1. Component Description

An ecosystem of ontologies for cross-domain interoperability and knowledge management supporting more effective and trustworthy data and information exchange and interoperability in industrial settings.

2. Input

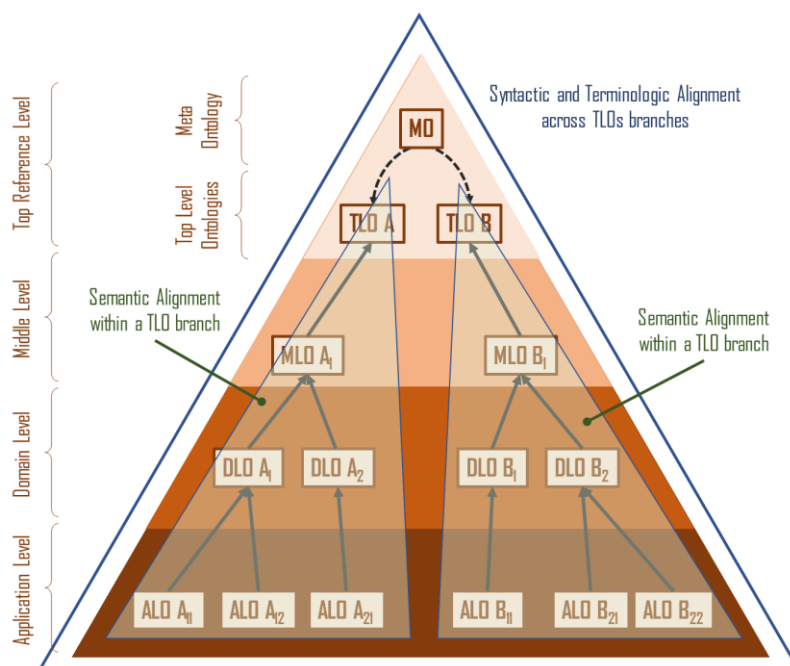
Structured and validated data to be tagged and registered into ontologies to prepare the data for improved interoperability and quality control.

3. Output

Data and information tagged and structured for improved interoperability, quality and usability in industrial processes.

4. Information Flow

Tools, methodologies, and approaches used in the OCES environment involving multiple tools and development processes are presented below.



5. Internal Architecture

The OCES environment consists of several software systems, collaborative environments and standards, most of them Open Source, that are used to manage ontologies.

6. API

Access to relevant ontologies and ontology development efforts can be through the OntoCommons ontology registry infrastructure in final development.

7. Implementation Technology

- The OCES is implemented through standard ontology development tools.

8. Comments

Currently, some components and tools in OCES are in final development, while others are standard tools on the market for ontologies development.

