OWL

Return to Terms and Definitions

Discussion

OWL, the Web Ontology Language, is a W3C Ontology Language for the Semantic Web. OWL provides constructs for expressing classes, properties, individuals, axioms, and relationships with formally defined meaning.

OWL supports machine processing and reasoning over Ontology content. Systems use OWL for formal ontology expression, consistency checking, classification, and inference under OWL semantics.

OWL is an ontology language. OWL does not define Semantic as a whole, and OWL does not define ontology as a modelling discipline. An architecture uses OWL to realise selected ontology content after defining the underlying domain meaning.

Definition

ontology language for the Semantic Web with formally defined meaning

Source

W3C Web Ontology Language (OWL), specialised for use in the FX Demo Reference Architecture.

Note

OWL documents express ontologies. OWL expression does not by itself establish validity. The Conceptual Model (CM) and domain meaning govern the OWL expression.

Example

An OWL ontology expresses FX`Trade` as a class, `hasCounterparty` as a property, and `TradeConfirmed` as a class or individual pattern. The OWL expression supports formal processing, but the FX Demo architecture defines the business meaning of trade confirmation.
