

Resource Summary Report

Generated by [nidm-terms](#) on Sep 1, 2026

HermiT OWL Reasoner

RRID:SCR_016006

Type: Tool

Proper Citation

HermiT OWL Reasoner (RRID:SCR_016006)

Resource Information

URL: <http://www.hermit-reasoner.com/>

Proper Citation: HermiT OWL Reasoner (RRID:SCR_016006)

Description: Algorithm for a reasoner for ontologies written using the Web Ontology Language (OWL). Given an OWL file, HermiT can determine whether or not the ontology is consistent, identify subsumption relationships between classes, and much more.

Resource Type: algorithm resource, data analysis software, data processing software, software application, software resource

Keywords: web, ontology, language, reasoner, class, algorithm, terminology, term, semantic, hypertableau

Availability: Open source, Free, Available for download

Resource Name: HermiT OWL Reasoner

Resource ID: SCR_016006

License: LGPL

Record Creation Time: 20220129T080328+0000

Record Last Update: 20260829T182505+0000

Ratings and Alerts

No rating or validation information has been found for HermiT OWL Reasoner.

No alerts have been found for HermiT OWL Reasoner.

Data and Source Information

Usage and Citation Metrics

We found 13 mentions in open access literature.

Listed below are recent publications. The full list is available at [nidm-terms](#) .

DAS S, et al. (2025) An ontology-driven knowledge graph for tourism information management. Open research Europe, 5, 1.

Aguado E, et al. (2024) A survey of ontology-enabled processes for dependable robot autonomy. Frontiers in robotics and AI, 11, 1377897.

Sargsyan A, et al. (2023) The Epilepsy Ontology: a community-based ontology tailored for semantic interoperability and text mining. Bioinformatics advances, 3(1), vbad033.

Liu M, et al. (2022) ICEO, a biological ontology for representing and analyzing bacterial integrative and conjugative elements. Scientific data, 9(1), 11.

Osman I, et al. (2021) An Alignment-Based Implementation of a Holistic Ontology Integration Method. MethodsX, 8, 101460.

Kulmanov M, et al. (2021) Semantic similarity and machine learning with ontologies. Briefings in bioinformatics, 22(4).

Wan L, et al. (2021) Development of the International Classification of Diseases Ontology (ICDO) and its application for COVID-19 diagnostic data analysis. BMC bioinformatics, 22(Suppl 6), 508.

Bona JP, et al. (2019) Enhancing Clinical Data and Clinical Research Data with Biomedical Ontologies - Insights from the Knowledge Representation Perspective. Yearbook of medical informatics, 28(1), 140.

He Y, et al. (2019) OHMI: the ontology of host-microbiome interactions. Journal of biomedical semantics, 10(1), 25.

Vitali F, et al. (2018) ONS: an ontology for a standardized description of interventions and observational studies in nutrition. Genes & nutrition, 13, 12.

Jarwar MA, et al. (2018) Microservices in Web Objects Enabled IoT Environment for Enhancing Reusability. Sensors (Basel, Switzerland), 18(2).

Natsiavas P, et al. (2018) OpenPVSIGNAL: Advancing Information Search, Sharing and Reuse on Pharmacovigilance Signals via FAIR Principles and Semantic Web Technologies. Frontiers in pharmacology, 9, 609.

Utecht J, et al. (2017) Formalizing Evidence Type Definitions for Drug-Drug Interaction Studies to Improve Evidence Base Curation. Studies in health technology and informatics, 245, 960.