

Resource Summary Report

Generated by NIF on May 3, 2025

Web-Service Interaction Ontology

RRID:SCR_010448

Type: Tool

Proper Citation

Web-Service Interaction Ontology (RRID:SCR_010448)

Resource Information

URL: <http://purl.bioontology.org/ontology/WSIO>

Proper Citation: Web-Service Interaction Ontology (RRID:SCR_010448)

Description: Ontology that enables automated interaction with more complex Web services that are typical for example within life sciences. WSIO is however independent of the application domain and relevant for both SOAP and REST Web services, and for batch execution engines in general. If the interaction scenario with a Web service is nontrivial (and incorporates session handling), annotation with WSIO concepts will enable automatic generation of client programs, scripts, or interactive applications with a graphical user interface. WSIO also enables automation of different ways of data transfer and data un-/compression or en-/decoding. They strongly discourage providers from developing complex interaction and data-transfer/compression scenarios, however when needed, WSIO may enable smooth automated interaction with them. Future versions will support more interaction scenarios. WSIO aims to serve also as a means to standardise the complex interaction scenarios primarily within both SOAP and REST Web services, and secondarily to apply also to batch execution infrastructure in general.

Abbreviations: WSIO

Resource Type: controlled vocabulary, ontology, data or information resource

Keywords: obo

Funding:

Resource Name: Web-Service Interaction Ontology

Resource ID: SCR_010448

Alternate IDs: nlx_157629

Record Creation Time: 20220129T080258+0000

Record Last Update: 20250503T060212+0000

Ratings and Alerts

No rating or validation information has been found for Web-Service Interaction Ontology.

No alerts have been found for Web-Service Interaction Ontology.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.