

Ontological Engineering (Part 1)

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1 Exercises – Basic ontological distinctions

The exercises are targeted to explain core notions of ontologies. Protege 4 is used as modeling tool to create OWL ontologies.

Ex. 1 — Based on previous seminar example about ZOO, create OWL ontology that would define basic relationships within the domain as well as concrete data about animals located in your ZOO.

Ex. 2 — Within the ZOO ontology create class of EndangeredSpecies to cover species of organisms that will likely become extinct. Add new animals to the ZOO whose species are endangered.

2 References for exercises

BBC website of wildlife animals as inspiration of our ZOO ontology :

- List of species – <http://www.bbc.co.uk/nature/species>
- add “.rdf” extension to the url to retrieve rdf data about the url (e.g. <http://www.bbc.co.uk/nature/species.rdf>)