RDF4J Class Builder

Ontology-based Java class generator

User Guide

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Command Line Generator Tool

RDF4J Class Builder takes an OWL definition file in any format (RDF/XML, Turtle, ...) as the input. It generates two separate components:

- A single *vocabulary class* (using the built-in RDF4J Vocabulary Builder). The vocabulary class defines the URI constants for all the classes and predicates defined in the OWL source.
- Individual java *class definitions* (as described above) for all the classes defined in the OWL source.

For both the vocabulary and the class definitions, their java package and the target folder may be specified via the command line as follows:

ClassBuilder [options] <input-file></input-file>	
<input-file></input-file>	the input file to read from
-f,format <format></format>	mime-type of the input file (will try to guess
	if absent)
-v,vocab-name <class-name></class-name>	vocabulary class name
-o,vocab-dir <path></path>	the output directory for the vocabulary (current
	directory when absent)
-O,class-dir <path></path>	the output directory for the classes (vocabulary
	directory when absent)
-p,vocab-package <package></package>	vocabulary package declaration (will use default
	(empty) package if absent)
-P,class-package <package></package>	class package declaration (will use the
	vocabulary package if absent)

Example usage:

```
java -jar ClassBuilder.jar \
info.owl \
-v INFO \
-o src/com/example/vocabulary \
-p com.example.vocabulary \
-0 src/com/example/ontology \
-P com.example.ontology \
```

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