RDF4J Class Builder
Ontology-based Java class generator

User Guide

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rdf4j-class-builder User Guide

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

Acknowledgements