**jwat-warc**

warc package

**org.jwat.warc:**

**WarcConstants.java**

Most of the constants should be collected in this class, most of which are primarily for internal use.

**ReaderFactory and Readers**

- **WarcReaderFactory.java**: This factory can be used to create the various types of readers with optional buffering. You can either get compressed or uncompressed readers. There are also methods which can auto-detect whether or not a compressed reader is required.
- **WarcReader.java**: Abstract reader class which is the base for all the readers. It also defines the options which can be set on a reader. Currently only digest options.
- **WarcReaderCompressed.java**: A reader implementation for reading compressed records.
- **WarcReaderUncompressed.java**: A reader implementation for reading uncompressed records.

**WarcRecord.java**

This class contains the record parser, fields and validation.

**Auxiliary classes**

- **WarcHeaderLine.java**: Reading a WARC header encapsulates each line in instances of this class.
- **WarcDateParser.java**: Parses and validates a WARC date.
- **WarcDigest.java**: Parses, validates and encapsulates a WARC digest header (algorithm, digest, encoding). The encoding is auto-detected and added later in the reading process.
- **WarcErrorType.java**: Defines the different possible error types.
- **WarcValidationError.java**: Defines an WARC validation error using a type, key and value.

**Writers**

- **WarcWriter.java**: Abstract writer class which is the base for all the writers.
- **WarcWriterUncompressed.java**: A writer implementation prototype.