

jwat-arc

arc package

org.jwat.arc:

ArcConstants.java

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

ReaderFactory and Readers

- **ArcReaderFactory.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.
- **ArcReader.java:** Abstract reader class which is the base for the all the readers. It also defines the options which can be set on a reader. Currently only digest options.
- **ArcReaderCompressed.java:** A reader implementation for reading compressed records.
- **ArcReaderUncompressed.java:** A reader implementation for reading uncompressed records.

Version Block and ARC Record

- **ArcRecordBase.java:** Abstract class which is the base for both the VersionBlock and ArcRecord classes. Contains most of the fields, validation and methods.
- **ArcVersionBlock.java:** VersionBlock parser including relevant fields, validation and methods.
- **ArcRecord.java:** Record parser including relevant fields, validation and methods.

Auxiliary classes

- **ArcVersion.java:** Represents the identified version with relevant information encapsulated.
- **ArcDateParser.java:** Parses and validated an ARC date.
- **ArcFieldValidator.java:** A class to keep track of field definitions in header lines and index them by name.
- **ArcErrorType.java:** Defines the different possible error types.
- **ArcValidationError.java:** Defines an ARC validation error using a type, key and value.