

# 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.