

# JWAT v0.8.0 (2012-02-09)

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## Highlights

### GZip reader/validator

Gives the ability to read a GZip file comprising of one or more concatenated GZip entries. Each entry's header is validated against the RFC specifications and the entries compressed data is made available through an `InputStream`. Will be refactored for v1.0.

### ARC reader/validator

Read and validate v1.0 and v2.0 ARC files

v1.0 and v2.0 files are parsed and validated according to the specification.

v1.1 extension supported.

The semi-official v1.1 format is also supported.

Payload wrapper

Payload is supported and exposed to the end-user by means of a wrapper.

HttpResponse supported

HttpResponses are detected and parsed/validated and exposed to the end-user.

### WARC reader/validator

Reads and validates WARC version 1.0 files. (Not all parts of the ISO are covered yet)

Multi-line headers are supported

Multi-line headers are parsed and validated with the exception of UTF-8, quoted-strings and encoded words.

All WARC headers are parsed and validated

All WARC headers are parsed and validated according to type. (String, Numeric, URI, Date, IP, Content-Type, Digest)

WARC headers present in a record are validated according to the record's Warc-Type

Each WARC header is validated according to the WARC-Type of the record it is located in. According to the ISO standard header presence can either be: must, must not, shall, shall not, may or ignore.



Payload wrapper







































Payload is supported and exposed to the end-user by means of a wrapper.

HttpResponse supported

HttpResponses are detected and parsed/validated and exposed to the end-user.

## Full list of issues resolved in this release.

T	Key	P	Summary
	JWAT-21		<a href="#">Refactor HttpResponse for use in ARC and WARC. Add support for Digesting.</a>

	JWAT-18		Digest validation in WARC reader
	JWAT-16		Digest support in ARC reader
	JWAT-15		Basic WARC reader/validator implementation conforming to most of the ISO standard
	JWAT-14		Unit tests and coverage of most of the WARC code (except WarcRecord and WarcWriter related classes)
	JWAT-7		Base16, 32 and 64 added for use in Digesting. Base2 added because. Unit tests included.
	JWAT-6		Refactor Payload for use in ARC and WARC. Add support for Digesting.
	JWAT-5		Streams refactored and a few news ones added
	JWAT-4		Move ARC Payload, HttpResponse and stream classes to subpackage
	JWAT-3		GZip code extracted from BnF module and placed in subpackage
	JWAT-2		Unit tests and coverage of most of the ARC code (except ArcRecordBase, ArcRecord and ArcVersionBlock)
	JWAT-1		Basic ARC reader/validator refactored from BnF code
	JWAT-37		Expose tri-state boolean with digest comparison status for a warc record
	JWAT-34		Expose Computed Digest Values in ARC and WARC readers
	JWAT-32		Save and expose HttpResponse headers
	JWAT-30		Maven - Cleanup pom and prepare for 1st sonatype release
	JWAT-26		Unit tests and coverage of Payload and HttpResponse
	JWAT-25		Unit tests and coverage of readLine methods across all stream implementations
	JWAT-24		Unit tests and coverage of RandomFileAccess!/OStreams in common
	JWAT-23		Primitive WARC writer

Showing 20 out of 22 issues

