

# JWAT v0.9.1 (2012-07-01)

Released 2012-07-01.

- [Highlights](#)
  - [Common package](#)
    - Unit tests cover almost everything now.
  - [GZip package](#)
    - Fixed a bug in the GZip OutputStream wrapper.
  - [WARC package](#)
    - WARC Writer implemented using state.
    - WARC Writer states unit tested.
    - WARC Writer checks if the amount of written payload matches the content-length header.
    - WARC Record Header unit tested.
    - Added datatyped addHeader methods.
    - All WARC addHeader methods are covered by unittests.
  - [ARC package](#)
    - Partial ARC writer based on the WARC writer implementation.
- [Full list of issues resolved in this release.](#)

## Highlights

### Common package

Unit tests cover almost everything now.

All classes should now be covered by unit test, exception for never occurring exception etc.

### GZip package

Fixed a bug in the GZip OutputStream wrapper.

Using the **write(b, off, len)** would not write the correct data when **off > 0**.

### WARC package

The WARC package is now almost completely unit test covered.

WARC Writer implemented using state.

All the write method will check to see if there are in the correct state. This should make it impossible to write payload before a header ans so on.

WARC Writer states unit tested.

All the methods and state are unit tested to ensure they work as intended.

WARC Writer checks if the amount of written payload matches the content-length header.

The writer add an error when it detects a mismatch and can also throw an exception if configure to.

WARC Record Header unit tested.

The remaining WARC header code should now be unit test covered, so now all of the WARC header code should be tested.

Added datatyped addHeader methods.

Added datatyped method so it is possible to add Integer, Long, WarcDigest, ContentType, Date, InetAddress and URI objects directly.

All WARC addHeader methods are covered by unittests.


Unit tests are performed using string and object to test the addHeader methods work as intended.





















### ARC package

Partial ARC writer based on the WARC writer implementation.

The ARC Writer and Factory classes were copied from the WARC implementation. It should be a fairly trivial task to complete it.

## Full list of issues resolved in this release.

T	Key	P	Summary
	<a href="#">JWAT-43</a>		<a href="#">Fix double end marks written when closing warc record.</a>

	JWAT-17		Unit tests and coverage of WARCRecord
	JWAT-55		Improve trailing newlines reader.
	JWAT-52		GZipWriter: OutputStream fails to write the correct data when write(b, off, len) is used with off > 0
	JWAT-51		WARC writer, additional method for writing payload data.
	JWAT-49		Attach a Diagnostics object to the WARC Reader/Writer.
	JWAT-48		WARC writer should validate the size of the payload against the header.
	JWAT-47		Unit test WARC writer states
	JWAT-44		Complete WARC writer including unit test of everything
	JWAT-33		Support HttpRequest either as an object or as a part of HttpResponse
	JWAT-28		Unit tests and coverage of HttpResponse parser code

11 issues

