

# 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
	JWAT-43		Fix double end marks written when closing warc record.
	JWAT-17		Unit tests and coverage of WARCRecord
	JWAT-52		GZipWriter: OutputStream fails to write the correct data when write(b, off, len) is used with off > 0
	JWAT-55		Improve trailing newlines reader.
	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

