

## Guava Release 11.0.2: Release Notes

Release 11.0 was released on December 18, 2011. Release 11.0.1 was released on January 9, 2012. Release 11.0.2 was released on February 22, 2012. (See [ReleaseHistory](#).)

[Full API Documentation](#)

### Using Guava in your project

This release will be identified in the Maven Central repository as `com.google.guava:guava:11.0.2` and `com.google.guava:guava-gwt:11.0.2`

See [UseGuavaInYourBuild](#) for help integrating Guava into your build environment.

If you don't use managed dependencies, you can also just manually download JARs of the classes, sources and documentation from:

- `guava-11.0.2.jar`
- `guava-gwt-11.0.2.jar` (for GWT users)
- `guava-11.0.2-javadoc.jar` (Javadoc)
- `guava-11.0.2-sources.jar` (Source)

### API Changes

[Full JDiff Report](#) of changes since release 10.0.1

To build a combined report of the API changes between release 11.0.2 and any older release, check out our docs tree and run `jdiff/jdiff.sh` with the previous release number as argument (example: `jdiff.sh 5.0`).

#### Changes between 11.0.1 and 11.0.2

- Fix BloomFilter performance bug, breaking backwards compatibility in the process.
- Fix GWT compilation of CacheBuilder.

#### Changes between 11.0 and 11.0.1

- Fix bug in `Optional#presentInstances`.
- Make `MessageDigestHashFunction` thread-safe.
- Fix Cache clear in the absence of a removal listener.
- Cache documentation improvements.

#### LoadingCache split out of Cache

The Cache methods related to automatic cache loading have been split out into the `LoadingCache` interface. `CacheBuilder.build(CacheLoader)` now returns a `LoadingCache`, and `CacheBuilder.build()` was introduced, which returns a `Cache`.

When upgrading to version 11.0.2, all Cache references should be changed to LoadingCache.

## Issues resolved

Issues fixed

## Additions

### New packages

- common.hash
- common.math

### New classes

common.cache

- LoadingCache
- AbstractLoadingCache
- ForwardingLoadingCache
- Weigher

common.collect

- ImmutableTable
- Queues
- SortedMultiset

common.net

- HttpHeaders

common.primitives

- UnsignedInteger
- UnsignedInts
- UnsignedLong

common.util.concurrent

- AbstractScheduledService
- AsyncFunction
- AtomicDouble
- AtomicDoubleArray
- AtomicLongMap

### New members

common.base

- Objects.ToStringHelper.add/addValue primitive overloads

- `Optional.asSet`, `presentInstances`
- `Strings.commonPrefix`, `commonSuffix`

#### `common.cache`

- `Cache.get`, `getIfPresent`, `getAllPresent`, `invalidateAll`, `put`
- `CacheBuilder.build`, `maximumWeight`, `refreshAfterWrite`, `weigher`
- `CacheLoader.loadAll`, `reload`
- `CacheStats.plus`

#### `common.collect`

- `ImmutableMultimap.inverse`
- `Iterables.mergeSorted`, `tryFind`
- `Iterators.mergeSorted`, `tryFind`
- `Maps.difference`, `filterEntries`, `filterKeys`, `filterValues`, `transformEntries`, `transformValues`
- `Multimaps.filterEntries`, `filterKeys`, `filterValues`
- `Multisets.copyHighestCountFirst`, `unmodifiableSortedMultiset`
- `Ordering.max`, `min` (Iterator overload)
- `Sets.filter` (SortedSet overload), `newLinkedHashSetWithExpectedSize`
- `Tables.unmodifiableRowSortedTable`, `unmodifiableTable`

#### `common.io`

- `Files.getFileExtension`, `simplifyPath`

#### `common.primitives`

- `Ints.tryParse`

#### `common.util.concurrent`

- `Futures.transform(..., AsyncFunction)` (to replace `Futures.chain`)