| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/Checksum.html) | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| [**PREV CLASS**](http://docs.google.com/java/util/zip/CheckedOutputStream.html)   [**NEXT CLASS**](http://docs.google.com/java/util/zip/CRC32.html) | [**FRAMES**](http://docs.google.com/index.html?java/util/zip/Checksum.html)    [**NO FRAMES**](http://docs.google.com/Checksum.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | CONSTR | [METHOD](#3znysh7) | DETAIL: FIELD | CONSTR | [METHOD](#2et92p0) |

## **java.util.zip**

Interface Checksum

**All Known Implementing Classes:** [Adler32](http://docs.google.com/java/util/zip/Adler32.html), [CRC32](http://docs.google.com/java/util/zip/CRC32.html)

public interface **Checksum**

An interface representing a data checksum.

| **Method Summary** | |
| --- | --- |
| long | [**getValue**](http://docs.google.com/java/util/zip/Checksum.html#getValue())()            Returns the current checksum value. |
| void | [**reset**](http://docs.google.com/java/util/zip/Checksum.html#reset())()            Resets the checksum to its initial value. |
| void | [**update**](http://docs.google.com/java/util/zip/Checksum.html#update(byte%5B%5D,%20int,%20int))(byte[] b, int off, int len)            Updates the current checksum with the specified array of bytes. |
| void | [**update**](http://docs.google.com/java/util/zip/Checksum.html#update(int))(int b)            Updates the current checksum with the specified byte. |

| **Method Detail** |
| --- |

### update

void **update**(int b)

Updates the current checksum with the specified byte.

**Parameters:**b - the byte to update the checksum with

### update

void **update**(byte[] b,  
 int off,  
 int len)

Updates the current checksum with the specified array of bytes.

**Parameters:**b - the byte array to update the checksum withoff - the start offset of the datalen - the number of bytes to use for the update

### getValue

long **getValue**()

Returns the current checksum value.

**Returns:**the current checksum value

### reset

void **reset**()

Resets the checksum to its initial value.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/Checksum.html) | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| [**PREV CLASS**](http://docs.google.com/java/util/zip/CheckedOutputStream.html)   [**NEXT CLASS**](http://docs.google.com/java/util/zip/CRC32.html) | [**FRAMES**](http://docs.google.com/index.html?java/util/zip/Checksum.html)    [**NO FRAMES**](http://docs.google.com/Checksum.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | CONSTR | [METHOD](#3znysh7) | DETAIL: FIELD | CONSTR | [METHOD](#2et92p0) |

[Submit a bug or feature](http://bugs.sun.com/services/bugreport/index.jsp)

For further API reference and developer documentation, see [Java SE Developer Documentation](http://docs.google.com/webnotes/devdocs-vs-specs.html). That documentation contains more detailed, developer-targeted descriptions, with conceptual overviews, definitions of terms, workarounds, and working code examples.

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