| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/security/MessageDigest.html) | **Use** | [**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   NEXT | [**FRAMES**](http://docs.google.com/index.html?java/security//class-useMessageDigest.html)    [**NO FRAMES**](http://docs.google.com/MessageDigest.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

**Uses of Class**

**java.security.MessageDigest**

| Packages that use [MessageDigest](http://docs.google.com/java/security/MessageDigest.html) | |
| --- | --- |
| [**java.security**](#3znysh7) | Provides the classes and interfaces for the security framework. |

| Uses of [MessageDigest](http://docs.google.com/java/security/MessageDigest.html) in [java.security](http://docs.google.com/java/security/package-summary.html) | |
| --- | --- |

| Fields in [java.security](http://docs.google.com/java/security/package-summary.html) declared as [MessageDigest](http://docs.google.com/java/security/MessageDigest.html) | |
| --- | --- |
| protected  [MessageDigest](http://docs.google.com/java/security/MessageDigest.html) | **DigestOutputStream.**[**digest**](http://docs.google.com/java/security/DigestOutputStream.html#digest)            The message digest associated with this stream. |
| protected  [MessageDigest](http://docs.google.com/java/security/MessageDigest.html) | **DigestInputStream.**[**digest**](http://docs.google.com/java/security/DigestInputStream.html#digest)            The message digest associated with this stream. |

| Methods in [java.security](http://docs.google.com/java/security/package-summary.html) that return [MessageDigest](http://docs.google.com/java/security/MessageDigest.html) | |
| --- | --- |
| static [MessageDigest](http://docs.google.com/java/security/MessageDigest.html) | **MessageDigest.**[**getInstance**](http://docs.google.com/java/security/MessageDigest.html#getInstance(java.lang.String))([String](http://docs.google.com/java/lang/String.html) algorithm)            Returns a MessageDigest object that implements the specified digest algorithm. |
| static [MessageDigest](http://docs.google.com/java/security/MessageDigest.html) | **MessageDigest.**[**getInstance**](http://docs.google.com/java/security/MessageDigest.html#getInstance(java.lang.String,%20java.security.Provider))([String](http://docs.google.com/java/lang/String.html) algorithm, [Provider](http://docs.google.com/java/security/Provider.html) provider)            Returns a MessageDigest object that implements the specified digest algorithm. |
| static [MessageDigest](http://docs.google.com/java/security/MessageDigest.html) | **MessageDigest.**[**getInstance**](http://docs.google.com/java/security/MessageDigest.html#getInstance(java.lang.String,%20java.lang.String))([String](http://docs.google.com/java/lang/String.html) algorithm, [String](http://docs.google.com/java/lang/String.html) provider)            Returns a MessageDigest object that implements the specified digest algorithm. |
| [MessageDigest](http://docs.google.com/java/security/MessageDigest.html) | **DigestOutputStream.**[**getMessageDigest**](http://docs.google.com/java/security/DigestOutputStream.html#getMessageDigest())()            Returns the message digest associated with this stream. |
| [MessageDigest](http://docs.google.com/java/security/MessageDigest.html) | **DigestInputStream.**[**getMessageDigest**](http://docs.google.com/java/security/DigestInputStream.html#getMessageDigest())()            Returns the message digest associated with this stream. |

| Methods in [java.security](http://docs.google.com/java/security/package-summary.html) with parameters of type [MessageDigest](http://docs.google.com/java/security/MessageDigest.html) | |
| --- | --- |
| void | **DigestOutputStream.**[**setMessageDigest**](http://docs.google.com/java/security/DigestOutputStream.html#setMessageDigest(java.security.MessageDigest))([MessageDigest](http://docs.google.com/java/security/MessageDigest.html) digest)            Associates the specified message digest with this stream. |
| void | **DigestInputStream.**[**setMessageDigest**](http://docs.google.com/java/security/DigestInputStream.html#setMessageDigest(java.security.MessageDigest))([MessageDigest](http://docs.google.com/java/security/MessageDigest.html) digest)            Associates the specified message digest with this stream. |

| Constructors in [java.security](http://docs.google.com/java/security/package-summary.html) with parameters of type [MessageDigest](http://docs.google.com/java/security/MessageDigest.html) | |
| --- | --- |
| [**DigestInputStream**](http://docs.google.com/java/security/DigestInputStream.html#DigestInputStream(java.io.InputStream,%20java.security.MessageDigest))([InputStream](http://docs.google.com/java/io/InputStream.html) stream, [MessageDigest](http://docs.google.com/java/security/MessageDigest.html) digest)            Creates a digest input stream, using the specified input stream and message digest. |
| [**DigestOutputStream**](http://docs.google.com/java/security/DigestOutputStream.html#DigestOutputStream(java.io.OutputStream,%20java.security.MessageDigest))([OutputStream](http://docs.google.com/java/io/OutputStream.html) stream, [MessageDigest](http://docs.google.com/java/security/MessageDigest.html) digest)            Creates a digest output stream, using the specified output stream and message digest. |

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/security/MessageDigest.html) | **Use** | [**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*** |
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[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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