| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/nio/charset/Charset.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/nio/charset//class-useCharset.html)    [**NO FRAMES**](http://docs.google.com/Charset.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

**Uses of Class**

**java.nio.charset.Charset**

| Packages that use [Charset](http://docs.google.com/java/nio/charset/Charset.html) | |
| --- | --- |
| [**java.io**](#3znysh7) | Provides for system input and output through data streams, serialization and the file system. |
| [**java.lang**](#2et92p0) | Provides classes that are fundamental to the design of the Java programming language. |
| [**java.nio.charset**](#tyjcwt) | Defines charsets, decoders, and encoders, for translating between bytes and Unicode characters. |
| [**java.nio.charset.spi**](#3dy6vkm) | Service-provider classes for the [java.nio.charset](http://docs.google.com/java/nio/charset/package-summary.html) package. |
| [**javax.tools**](#1t3h5sf) | Provides interfaces for tools which can be invoked from a program, for example, compilers. |

| Uses of [Charset](http://docs.google.com/java/nio/charset/Charset.html) in [java.io](http://docs.google.com/java/io/package-summary.html) | |
| --- | --- |

| Constructors in [java.io](http://docs.google.com/java/io/package-summary.html) with parameters of type [Charset](http://docs.google.com/java/nio/charset/Charset.html) | |
| --- | --- |
| [**InputStreamReader**](http://docs.google.com/java/io/InputStreamReader.html#InputStreamReader(java.io.InputStream,%20java.nio.charset.Charset))([InputStream](http://docs.google.com/java/io/InputStream.html) in, [Charset](http://docs.google.com/java/nio/charset/Charset.html) cs)            Creates an InputStreamReader that uses the given charset. |
| [**OutputStreamWriter**](http://docs.google.com/java/io/OutputStreamWriter.html#OutputStreamWriter(java.io.OutputStream,%20java.nio.charset.Charset))([OutputStream](http://docs.google.com/java/io/OutputStream.html) out, [Charset](http://docs.google.com/java/nio/charset/Charset.html) cs)            Creates an OutputStreamWriter that uses the given charset. |

| Uses of [Charset](http://docs.google.com/java/nio/charset/Charset.html) in [java.lang](http://docs.google.com/java/lang/package-summary.html) | |
| --- | --- |

| Methods in [java.lang](http://docs.google.com/java/lang/package-summary.html) with parameters of type [Charset](http://docs.google.com/java/nio/charset/Charset.html) | |
| --- | --- |
| byte[] | **String.**[**getBytes**](http://docs.google.com/java/lang/String.html#getBytes(java.nio.charset.Charset))([Charset](http://docs.google.com/java/nio/charset/Charset.html) charset)            Encodes this String into a sequence of bytes using the given [charset](http://docs.google.com/java/nio/charset/Charset.html), storing the result into a new byte array. |

| Constructors in [java.lang](http://docs.google.com/java/lang/package-summary.html) with parameters of type [Charset](http://docs.google.com/java/nio/charset/Charset.html) | |
| --- | --- |
| [**String**](http://docs.google.com/java/lang/String.html#String(byte%5B%5D,%20java.nio.charset.Charset))(byte[] bytes, [Charset](http://docs.google.com/java/nio/charset/Charset.html) charset)            Constructs a new String by decoding the specified array of bytes using the specified [charset](http://docs.google.com/java/nio/charset/Charset.html). |
| [**String**](http://docs.google.com/java/lang/String.html#String(byte%5B%5D,%20int,%20int,%20java.nio.charset.Charset))(byte[] bytes, int offset, int length, [Charset](http://docs.google.com/java/nio/charset/Charset.html) charset)            Constructs a new String by decoding the specified subarray of bytes using the specified [charset](http://docs.google.com/java/nio/charset/Charset.html). |

| Uses of [Charset](http://docs.google.com/java/nio/charset/Charset.html) in [java.nio.charset](http://docs.google.com/java/nio/charset/package-summary.html) | |
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| Methods in [java.nio.charset](http://docs.google.com/java/nio/charset/package-summary.html) that return [Charset](http://docs.google.com/java/nio/charset/Charset.html) | |
| --- | --- |
| [Charset](http://docs.google.com/java/nio/charset/Charset.html) | **CharsetEncoder.**[**charset**](http://docs.google.com/java/nio/charset/CharsetEncoder.html#charset())()            Returns the charset that created this encoder. |
| [Charset](http://docs.google.com/java/nio/charset/Charset.html) | **CharsetDecoder.**[**charset**](http://docs.google.com/java/nio/charset/CharsetDecoder.html#charset())()            Returns the charset that created this decoder. |
| static [Charset](http://docs.google.com/java/nio/charset/Charset.html) | **Charset.**[**defaultCharset**](http://docs.google.com/java/nio/charset/Charset.html#defaultCharset())()            Returns the default charset of this Java virtual machine. |
| [Charset](http://docs.google.com/java/nio/charset/Charset.html) | **CharsetDecoder.**[**detectedCharset**](http://docs.google.com/java/nio/charset/CharsetDecoder.html#detectedCharset())()            Retrieves the charset that was detected by this decoder  *(optional operation)*. |
| static [Charset](http://docs.google.com/java/nio/charset/Charset.html) | **Charset.**[**forName**](http://docs.google.com/java/nio/charset/Charset.html#forName(java.lang.String))([String](http://docs.google.com/java/lang/String.html) charsetName)            Returns a charset object for the named charset. |

| Methods in [java.nio.charset](http://docs.google.com/java/nio/charset/package-summary.html) that return types with arguments of type [Charset](http://docs.google.com/java/nio/charset/Charset.html) | |
| --- | --- |
| static [SortedMap](http://docs.google.com/java/util/SortedMap.html)<[String](http://docs.google.com/java/lang/String.html),[Charset](http://docs.google.com/java/nio/charset/Charset.html)> | **Charset.**[**availableCharsets**](http://docs.google.com/java/nio/charset/Charset.html#availableCharsets())()            Constructs a sorted map from canonical charset names to charset objects. |

| Methods in [java.nio.charset](http://docs.google.com/java/nio/charset/package-summary.html) with parameters of type [Charset](http://docs.google.com/java/nio/charset/Charset.html) | |
| --- | --- |
| int | **Charset.**[**compareTo**](http://docs.google.com/java/nio/charset/Charset.html#compareTo(java.nio.charset.Charset))([Charset](http://docs.google.com/java/nio/charset/Charset.html) that)            Compares this charset to another. |
| abstract  boolean | **Charset.**[**contains**](http://docs.google.com/java/nio/charset/Charset.html#contains(java.nio.charset.Charset))([Charset](http://docs.google.com/java/nio/charset/Charset.html) cs)            Tells whether or not this charset contains the given charset. |

| Constructors in [java.nio.charset](http://docs.google.com/java/nio/charset/package-summary.html) with parameters of type [Charset](http://docs.google.com/java/nio/charset/Charset.html) | |
| --- | --- |
| [**CharsetDecoder**](http://docs.google.com/java/nio/charset/CharsetDecoder.html#CharsetDecoder(java.nio.charset.Charset,%20float,%20float))([Charset](http://docs.google.com/java/nio/charset/Charset.html) cs, float averageCharsPerByte, float maxCharsPerByte)            Initializes a new decoder. |
| [**CharsetEncoder**](http://docs.google.com/java/nio/charset/CharsetEncoder.html#CharsetEncoder(java.nio.charset.Charset,%20float,%20float))([Charset](http://docs.google.com/java/nio/charset/Charset.html) cs, float averageBytesPerChar, float maxBytesPerChar)            Initializes a new encoder. |
| [**CharsetEncoder**](http://docs.google.com/java/nio/charset/CharsetEncoder.html#CharsetEncoder(java.nio.charset.Charset,%20float,%20float,%20byte%5B%5D))([Charset](http://docs.google.com/java/nio/charset/Charset.html) cs, float averageBytesPerChar, float maxBytesPerChar, byte[] replacement)            Initializes a new encoder. |

| Uses of [Charset](http://docs.google.com/java/nio/charset/Charset.html) in [java.nio.charset.spi](http://docs.google.com/java/nio/charset/spi/package-summary.html) | |
| --- | --- |

| Methods in [java.nio.charset.spi](http://docs.google.com/java/nio/charset/spi/package-summary.html) that return [Charset](http://docs.google.com/java/nio/charset/Charset.html) | |
| --- | --- |
| abstract  [Charset](http://docs.google.com/java/nio/charset/Charset.html) | **CharsetProvider.**[**charsetForName**](http://docs.google.com/java/nio/charset/spi/CharsetProvider.html#charsetForName(java.lang.String))([String](http://docs.google.com/java/lang/String.html) charsetName)            Retrieves a charset for the given charset name. |

| Methods in [java.nio.charset.spi](http://docs.google.com/java/nio/charset/spi/package-summary.html) that return types with arguments of type [Charset](http://docs.google.com/java/nio/charset/Charset.html) | |
| --- | --- |
| abstract  [Iterator](http://docs.google.com/java/util/Iterator.html)<[Charset](http://docs.google.com/java/nio/charset/Charset.html)> | **CharsetProvider.**[**charsets**](http://docs.google.com/java/nio/charset/spi/CharsetProvider.html#charsets())()            Creates an iterator that iterates over the charsets supported by this provider. |

| Uses of [Charset](http://docs.google.com/java/nio/charset/Charset.html) in [javax.tools](http://docs.google.com/javax/tools/package-summary.html) | |
| --- | --- |

| Methods in [javax.tools](http://docs.google.com/javax/tools/package-summary.html) with parameters of type [Charset](http://docs.google.com/java/nio/charset/Charset.html) | |
| --- | --- |
| [StandardJavaFileManager](http://docs.google.com/javax/tools/StandardJavaFileManager.html) | **JavaCompiler.**[**getStandardFileManager**](http://docs.google.com/javax/tools/JavaCompiler.html#getStandardFileManager(javax.tools.DiagnosticListener,%20java.util.Locale,%20java.nio.charset.Charset))([DiagnosticListener](http://docs.google.com/javax/tools/DiagnosticListener.html)<? super [JavaFileObject](http://docs.google.com/javax/tools/JavaFileObject.html)> diagnosticListener, [Locale](http://docs.google.com/java/util/Locale.html) locale, [Charset](http://docs.google.com/java/nio/charset/Charset.html) charset)            Gets a new instance of the standard file manager implementation for this tool. |

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/nio/charset/Charset.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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| PREV   NEXT | [**FRAMES**](http://docs.google.com/index.html?java/nio/charset//class-useCharset.html)    [**NO FRAMES**](http://docs.google.com/Charset.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

[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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