| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/javax/sound/sampled/AudioFormat.Encoding.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?javax/sound/sampled//class-useAudioFormat.Encoding.html)    [**NO FRAMES**](http://docs.google.com/AudioFormat.Encoding.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

**Uses of Class**

**javax.sound.sampled.AudioFormat.Encoding**

| Packages that use [AudioFormat.Encoding](http://docs.google.com/javax/sound/sampled/AudioFormat.Encoding.html) | |
| --- | --- |
| [**javax.sound.sampled**](#3znysh7) | Provides interfaces and classes for capture, processing, and playback of sampled audio data. |
| [**javax.sound.sampled.spi**](#2et92p0) | Supplies abstract classes for service providers to subclass when offering new audio devices, sound file readers and writers, or audio format converters. |

| Uses of [AudioFormat.Encoding](http://docs.google.com/javax/sound/sampled/AudioFormat.Encoding.html) in [javax.sound.sampled](http://docs.google.com/javax/sound/sampled/package-summary.html) | |
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| Fields in [javax.sound.sampled](http://docs.google.com/javax/sound/sampled/package-summary.html) declared as [AudioFormat.Encoding](http://docs.google.com/javax/sound/sampled/AudioFormat.Encoding.html) | |
| --- | --- |
| static [AudioFormat.Encoding](http://docs.google.com/javax/sound/sampled/AudioFormat.Encoding.html) | **AudioFormat.Encoding.**[**ALAW**](http://docs.google.com/javax/sound/sampled/AudioFormat.Encoding.html#ALAW)            Specifies a-law encoded data. |
| protected  [AudioFormat.Encoding](http://docs.google.com/javax/sound/sampled/AudioFormat.Encoding.html) | **AudioFormat.**[**encoding**](http://docs.google.com/javax/sound/sampled/AudioFormat.html#encoding)            The audio encoding technique used by this format. |
| static [AudioFormat.Encoding](http://docs.google.com/javax/sound/sampled/AudioFormat.Encoding.html) | **AudioFormat.Encoding.**[**PCM\_SIGNED**](http://docs.google.com/javax/sound/sampled/AudioFormat.Encoding.html#PCM_SIGNED)            Specifies signed, linear PCM data. |
| static [AudioFormat.Encoding](http://docs.google.com/javax/sound/sampled/AudioFormat.Encoding.html) | **AudioFormat.Encoding.**[**PCM\_UNSIGNED**](http://docs.google.com/javax/sound/sampled/AudioFormat.Encoding.html#PCM_UNSIGNED)            Specifies unsigned, linear PCM data. |
| static [AudioFormat.Encoding](http://docs.google.com/javax/sound/sampled/AudioFormat.Encoding.html) | **AudioFormat.Encoding.**[**ULAW**](http://docs.google.com/javax/sound/sampled/AudioFormat.Encoding.html#ULAW)            Specifies u-law encoded data. |

| Methods in [javax.sound.sampled](http://docs.google.com/javax/sound/sampled/package-summary.html) that return [AudioFormat.Encoding](http://docs.google.com/javax/sound/sampled/AudioFormat.Encoding.html) | |
| --- | --- |
| [AudioFormat.Encoding](http://docs.google.com/javax/sound/sampled/AudioFormat.Encoding.html) | **AudioFormat.**[**getEncoding**](http://docs.google.com/javax/sound/sampled/AudioFormat.html#getEncoding())()            Obtains the type of encoding for sounds in this format. |
| static [AudioFormat.Encoding](http://docs.google.com/javax/sound/sampled/AudioFormat.Encoding.html)[] | **AudioSystem.**[**getTargetEncodings**](http://docs.google.com/javax/sound/sampled/AudioSystem.html#getTargetEncodings(javax.sound.sampled.AudioFormat.Encoding))([AudioFormat.Encoding](http://docs.google.com/javax/sound/sampled/AudioFormat.Encoding.html) sourceEncoding)            Obtains the encodings that the system can obtain from an audio input stream with the specified encoding using the set of installed format converters. |
| static [AudioFormat.Encoding](http://docs.google.com/javax/sound/sampled/AudioFormat.Encoding.html)[] | **AudioSystem.**[**getTargetEncodings**](http://docs.google.com/javax/sound/sampled/AudioSystem.html#getTargetEncodings(javax.sound.sampled.AudioFormat))([AudioFormat](http://docs.google.com/javax/sound/sampled/AudioFormat.html) sourceFormat)            Obtains the encodings that the system can obtain from an audio input stream with the specified format using the set of installed format converters. |

| Methods in [javax.sound.sampled](http://docs.google.com/javax/sound/sampled/package-summary.html) with parameters of type [AudioFormat.Encoding](http://docs.google.com/javax/sound/sampled/AudioFormat.Encoding.html) | |
| --- | --- |
| static [AudioInputStream](http://docs.google.com/javax/sound/sampled/AudioInputStream.html) | **AudioSystem.**[**getAudioInputStream**](http://docs.google.com/javax/sound/sampled/AudioSystem.html#getAudioInputStream(javax.sound.sampled.AudioFormat.Encoding,%20javax.sound.sampled.AudioInputStream))([AudioFormat.Encoding](http://docs.google.com/javax/sound/sampled/AudioFormat.Encoding.html) targetEncoding, [AudioInputStream](http://docs.google.com/javax/sound/sampled/AudioInputStream.html) sourceStream)            Obtains an audio input stream of the indicated encoding, by converting the provided audio input stream. |
| static [AudioFormat.Encoding](http://docs.google.com/javax/sound/sampled/AudioFormat.Encoding.html)[] | **AudioSystem.**[**getTargetEncodings**](http://docs.google.com/javax/sound/sampled/AudioSystem.html#getTargetEncodings(javax.sound.sampled.AudioFormat.Encoding))([AudioFormat.Encoding](http://docs.google.com/javax/sound/sampled/AudioFormat.Encoding.html) sourceEncoding)            Obtains the encodings that the system can obtain from an audio input stream with the specified encoding using the set of installed format converters. |
| static [AudioFormat](http://docs.google.com/javax/sound/sampled/AudioFormat.html)[] | **AudioSystem.**[**getTargetFormats**](http://docs.google.com/javax/sound/sampled/AudioSystem.html#getTargetFormats(javax.sound.sampled.AudioFormat.Encoding,%20javax.sound.sampled.AudioFormat))([AudioFormat.Encoding](http://docs.google.com/javax/sound/sampled/AudioFormat.Encoding.html) targetEncoding, [AudioFormat](http://docs.google.com/javax/sound/sampled/AudioFormat.html) sourceFormat)            Obtains the formats that have a particular encoding and that the system can obtain from a stream of the specified format using the set of installed format converters. |
| static boolean | **AudioSystem.**[**isConversionSupported**](http://docs.google.com/javax/sound/sampled/AudioSystem.html#isConversionSupported(javax.sound.sampled.AudioFormat.Encoding,%20javax.sound.sampled.AudioFormat))([AudioFormat.Encoding](http://docs.google.com/javax/sound/sampled/AudioFormat.Encoding.html) targetEncoding, [AudioFormat](http://docs.google.com/javax/sound/sampled/AudioFormat.html) sourceFormat)            Indicates whether an audio input stream of the specified encoding can be obtained from an audio input stream that has the specified format. |

| Constructors in [javax.sound.sampled](http://docs.google.com/javax/sound/sampled/package-summary.html) with parameters of type [AudioFormat.Encoding](http://docs.google.com/javax/sound/sampled/AudioFormat.Encoding.html) | |
| --- | --- |
| [**AudioFormat**](http://docs.google.com/javax/sound/sampled/AudioFormat.html#AudioFormat(javax.sound.sampled.AudioFormat.Encoding,%20float,%20int,%20int,%20int,%20float,%20boolean))([AudioFormat.Encoding](http://docs.google.com/javax/sound/sampled/AudioFormat.Encoding.html) encoding, float sampleRate, int sampleSizeInBits, int channels, int frameSize, float frameRate, boolean bigEndian)            Constructs an AudioFormat with the given parameters. |
| [**AudioFormat**](http://docs.google.com/javax/sound/sampled/AudioFormat.html#AudioFormat(javax.sound.sampled.AudioFormat.Encoding,%20float,%20int,%20int,%20int,%20float,%20boolean,%20java.util.Map))([AudioFormat.Encoding](http://docs.google.com/javax/sound/sampled/AudioFormat.Encoding.html) encoding, float sampleRate, int sampleSizeInBits, int channels, int frameSize, float frameRate, boolean bigEndian, [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[Object](http://docs.google.com/java/lang/Object.html)> properties)            Constructs an AudioFormat with the given parameters. |

| Uses of [AudioFormat.Encoding](http://docs.google.com/javax/sound/sampled/AudioFormat.Encoding.html) in [javax.sound.sampled.spi](http://docs.google.com/javax/sound/sampled/spi/package-summary.html) | |
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| Methods in [javax.sound.sampled.spi](http://docs.google.com/javax/sound/sampled/spi/package-summary.html) that return [AudioFormat.Encoding](http://docs.google.com/javax/sound/sampled/AudioFormat.Encoding.html) | |
| --- | --- |
| abstract  [AudioFormat.Encoding](http://docs.google.com/javax/sound/sampled/AudioFormat.Encoding.html)[] | **FormatConversionProvider.**[**getSourceEncodings**](http://docs.google.com/javax/sound/sampled/spi/FormatConversionProvider.html#getSourceEncodings())()            Obtains the set of source format encodings from which format conversion services are provided by this provider. |
| abstract  [AudioFormat.Encoding](http://docs.google.com/javax/sound/sampled/AudioFormat.Encoding.html)[] | **FormatConversionProvider.**[**getTargetEncodings**](http://docs.google.com/javax/sound/sampled/spi/FormatConversionProvider.html#getTargetEncodings())()            Obtains the set of target format encodings to which format conversion services are provided by this provider. |
| abstract  [AudioFormat.Encoding](http://docs.google.com/javax/sound/sampled/AudioFormat.Encoding.html)[] | **FormatConversionProvider.**[**getTargetEncodings**](http://docs.google.com/javax/sound/sampled/spi/FormatConversionProvider.html#getTargetEncodings(javax.sound.sampled.AudioFormat))([AudioFormat](http://docs.google.com/javax/sound/sampled/AudioFormat.html) sourceFormat)            Obtains the set of target format encodings supported by the format converter given a particular source format. |

| Methods in [javax.sound.sampled.spi](http://docs.google.com/javax/sound/sampled/spi/package-summary.html) with parameters of type [AudioFormat.Encoding](http://docs.google.com/javax/sound/sampled/AudioFormat.Encoding.html) | |
| --- | --- |
| abstract  [AudioInputStream](http://docs.google.com/javax/sound/sampled/AudioInputStream.html) | **FormatConversionProvider.**[**getAudioInputStream**](http://docs.google.com/javax/sound/sampled/spi/FormatConversionProvider.html#getAudioInputStream(javax.sound.sampled.AudioFormat.Encoding,%20javax.sound.sampled.AudioInputStream))([AudioFormat.Encoding](http://docs.google.com/javax/sound/sampled/AudioFormat.Encoding.html) targetEncoding, [AudioInputStream](http://docs.google.com/javax/sound/sampled/AudioInputStream.html) sourceStream)            Obtains an audio input stream with the specified encoding from the given audio input stream. |
| abstract  [AudioFormat](http://docs.google.com/javax/sound/sampled/AudioFormat.html)[] | **FormatConversionProvider.**[**getTargetFormats**](http://docs.google.com/javax/sound/sampled/spi/FormatConversionProvider.html#getTargetFormats(javax.sound.sampled.AudioFormat.Encoding,%20javax.sound.sampled.AudioFormat))([AudioFormat.Encoding](http://docs.google.com/javax/sound/sampled/AudioFormat.Encoding.html) targetEncoding, [AudioFormat](http://docs.google.com/javax/sound/sampled/AudioFormat.html) sourceFormat)            Obtains the set of target formats with the encoding specified supported by the format converter If no target formats with the specified encoding are supported for this source format, an array of length 0 is returned. |
| boolean | **FormatConversionProvider.**[**isConversionSupported**](http://docs.google.com/javax/sound/sampled/spi/FormatConversionProvider.html#isConversionSupported(javax.sound.sampled.AudioFormat.Encoding,%20javax.sound.sampled.AudioFormat))([AudioFormat.Encoding](http://docs.google.com/javax/sound/sampled/AudioFormat.Encoding.html) targetEncoding, [AudioFormat](http://docs.google.com/javax/sound/sampled/AudioFormat.html) sourceFormat)            Indicates whether the format converter supports conversion to a particular encoding from a particular format. |
| boolean | **FormatConversionProvider.**[**isSourceEncodingSupported**](http://docs.google.com/javax/sound/sampled/spi/FormatConversionProvider.html#isSourceEncodingSupported(javax.sound.sampled.AudioFormat.Encoding))([AudioFormat.Encoding](http://docs.google.com/javax/sound/sampled/AudioFormat.Encoding.html) sourceEncoding)            Indicates whether the format converter supports conversion from the specified source format encoding. |
| boolean | **FormatConversionProvider.**[**isTargetEncodingSupported**](http://docs.google.com/javax/sound/sampled/spi/FormatConversionProvider.html#isTargetEncodingSupported(javax.sound.sampled.AudioFormat.Encoding))([AudioFormat.Encoding](http://docs.google.com/javax/sound/sampled/AudioFormat.Encoding.html) targetEncoding)            Indicates whether the format converter supports conversion to the specified target format encoding. |

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/javax/sound/sampled/AudioFormat.Encoding.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?javax/sound/sampled//class-useAudioFormat.Encoding.html)    [**NO FRAMES**](http://docs.google.com/AudioFormat.Encoding.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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