| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/IIOByteBuffer.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/javax/imageio/stream/FileImageOutputStream.html)   [**NEXT CLASS**](http://docs.google.com/javax/imageio/stream/ImageInputStream.html) | [**FRAMES**](http://docs.google.com/index.html?javax/imageio/stream/IIOByteBuffer.html)    [**NO FRAMES**](http://docs.google.com/IIOByteBuffer.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [METHOD](#4d34og8) |

## **javax.imageio.stream**

Class IIOByteBuffer

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 **javax.imageio.stream.IIOByteBuffer**

public class **IIOByteBuffer**extends [Object](http://docs.google.com/java/lang/Object.html)

A class representing a mutable reference to an array of bytes and an offset and length within that array. IIOByteBuffer is used by ImageInputStream to supply a sequence of bytes to the caller, possibly with fewer copies than using the conventional read methods that take a user-supplied byte array.

The byte array referenced by an IIOByteBuffer will generally be part of an internal data structure belonging to an ImageReader implementation; its contents should be considered read-only and must not be modified.

| **Constructor Summary** | |
| --- | --- |
| [**IIOByteBuffer**](http://docs.google.com/javax/imageio/stream/IIOByteBuffer.html#IIOByteBuffer(byte%5B%5D,%20int,%20int))(byte[] data, int offset, int length)            Constructs an IIOByteBuffer that references a given byte array, offset, and length. |

| **Method Summary** | |
| --- | --- |
| byte[] | [**getData**](http://docs.google.com/javax/imageio/stream/IIOByteBuffer.html#getData())()            Returns a reference to the byte array. |
| int | [**getLength**](http://docs.google.com/javax/imageio/stream/IIOByteBuffer.html#getLength())()            Returns the length of the data of interest within the byte array returned by getData. |
| int | [**getOffset**](http://docs.google.com/javax/imageio/stream/IIOByteBuffer.html#getOffset())()            Returns the offset within the byte array returned by getData at which the data of interest start. |
| void | [**setData**](http://docs.google.com/javax/imageio/stream/IIOByteBuffer.html#setData(byte%5B%5D))(byte[] data)            Updates the array reference that will be returned by subsequent calls to the getData method. |
| void | [**setLength**](http://docs.google.com/javax/imageio/stream/IIOByteBuffer.html#setLength(int))(int length)            Updates the value that will be returned by subsequent calls to the getLength method. |
| void | [**setOffset**](http://docs.google.com/javax/imageio/stream/IIOByteBuffer.html#setOffset(int))(int offset)            Updates the value that will be returned by subsequent calls to the getOffset method. |

| **Methods inherited from class java.lang.**[**Object**](http://docs.google.com/java/lang/Object.html) |
| --- |
| [clone](http://docs.google.com/java/lang/Object.html#clone()), [equals](http://docs.google.com/java/lang/Object.html#equals(java.lang.Object)), [finalize](http://docs.google.com/java/lang/Object.html#finalize()), [getClass](http://docs.google.com/java/lang/Object.html#getClass()), [hashCode](http://docs.google.com/java/lang/Object.html#hashCode()), [notify](http://docs.google.com/java/lang/Object.html#notify()), [notifyAll](http://docs.google.com/java/lang/Object.html#notifyAll()), [toString](http://docs.google.com/java/lang/Object.html#toString()), [wait](http://docs.google.com/java/lang/Object.html#wait()), [wait](http://docs.google.com/java/lang/Object.html#wait(long)), [wait](http://docs.google.com/java/lang/Object.html#wait(long,%20int)) |

| **Constructor Detail** |
| --- |

### IIOByteBuffer

public **IIOByteBuffer**(byte[] data,  
 int offset,  
 int length)

Constructs an IIOByteBuffer that references a given byte array, offset, and length.

**Parameters:**data - a byte array.offset - an int offset within the array.length - an int specifying the length of the data of interest within byte array, in bytes.

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

### getData

public byte[] **getData**()

Returns a reference to the byte array. The returned value should be treated as read-only, and only the portion specified by the values of getOffset and getLength should be used.

**Returns:**a byte array reference.**See Also:**[getOffset()](http://docs.google.com/javax/imageio/stream/IIOByteBuffer.html#getOffset()), [getLength()](http://docs.google.com/javax/imageio/stream/IIOByteBuffer.html#getLength()), [setData(byte[])](http://docs.google.com/javax/imageio/stream/IIOByteBuffer.html#setData(byte%5B%5D))

### setData

public void **setData**(byte[] data)

Updates the array reference that will be returned by subsequent calls to the getData method.

**Parameters:**data - a byte array reference containing the new data value.**See Also:**[getData()](http://docs.google.com/javax/imageio/stream/IIOByteBuffer.html#getData())

### getOffset

public int **getOffset**()

Returns the offset within the byte array returned by getData at which the data of interest start.

**Returns:**an int offset.**See Also:**[getData()](http://docs.google.com/javax/imageio/stream/IIOByteBuffer.html#getData()), [getLength()](http://docs.google.com/javax/imageio/stream/IIOByteBuffer.html#getLength()), [setOffset(int)](http://docs.google.com/javax/imageio/stream/IIOByteBuffer.html#setOffset(int))

### setOffset

public void **setOffset**(int offset)

Updates the value that will be returned by subsequent calls to the getOffset method.

**Parameters:**offset - an int containing the new offset value.**See Also:**[getOffset()](http://docs.google.com/javax/imageio/stream/IIOByteBuffer.html#getOffset())

### getLength

public int **getLength**()

Returns the length of the data of interest within the byte array returned by getData.

**Returns:**an int length.**See Also:**[getData()](http://docs.google.com/javax/imageio/stream/IIOByteBuffer.html#getData()), [getOffset()](http://docs.google.com/javax/imageio/stream/IIOByteBuffer.html#getOffset()), [setLength(int)](http://docs.google.com/javax/imageio/stream/IIOByteBuffer.html#setLength(int))

### setLength

public void **setLength**(int length)

Updates the value that will be returned by subsequent calls to the getLength method.

**Parameters:**length - an int containing the new length value.**See Also:**[getLength()](http://docs.google.com/javax/imageio/stream/IIOByteBuffer.html#getLength())

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/IIOByteBuffer.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*** |
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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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