| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/FileImageOutputStream.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/FileImageInputStream.html)   [**NEXT CLASS**](http://docs.google.com/javax/imageio/stream/IIOByteBuffer.html) | [**FRAMES**](http://docs.google.com/index.html?javax/imageio/stream/FileImageOutputStream.html)    [**NO FRAMES**](http://docs.google.com/FileImageOutputStream.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#2et92p0) | [CONSTR](#tyjcwt) | [METHOD](#3dy6vkm) | DETAIL: FIELD | [CONSTR](#26in1rg) | [METHOD](#1ksv4uv) |

## **javax.imageio.stream**

Class FileImageOutputStream

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

**All Implemented Interfaces:** [DataInput](http://docs.google.com/java/io/DataInput.html), [DataOutput](http://docs.google.com/java/io/DataOutput.html), [ImageInputStream](http://docs.google.com/javax/imageio/stream/ImageInputStream.html), [ImageOutputStream](http://docs.google.com/javax/imageio/stream/ImageOutputStream.html)

public class **FileImageOutputStream**extends [ImageOutputStreamImpl](http://docs.google.com/javax/imageio/stream/ImageOutputStreamImpl.html)

An implementation of ImageOutputStream that writes its output directly to a File or RandomAccessFile.

| **Field Summary** | |
| --- | --- |

| **Fields inherited from class javax.imageio.stream.**[**ImageInputStreamImpl**](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html) |
| --- |
| [bitOffset](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html#bitOffset), [byteOrder](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html#byteOrder), [flushedPos](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html#flushedPos), [streamPos](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html#streamPos) |

| **Constructor Summary** | |
| --- | --- |
| [**FileImageOutputStream**](http://docs.google.com/javax/imageio/stream/FileImageOutputStream.html#FileImageOutputStream(java.io.File))([File](http://docs.google.com/java/io/File.html) f)            Constructs a FileImageOutputStream that will write to a given File. |
| [**FileImageOutputStream**](http://docs.google.com/javax/imageio/stream/FileImageOutputStream.html#FileImageOutputStream(java.io.RandomAccessFile))([RandomAccessFile](http://docs.google.com/java/io/RandomAccessFile.html) raf)            Constructs a FileImageOutputStream that will write to a given RandomAccessFile. |

| **Method Summary** | |
| --- | --- |
| void | [**close**](http://docs.google.com/javax/imageio/stream/FileImageOutputStream.html#close())()            Closes the stream. |
| protected  void | [**finalize**](http://docs.google.com/javax/imageio/stream/FileImageOutputStream.html#finalize())()            Finalizes this object prior to garbage collection. |
| long | [**length**](http://docs.google.com/javax/imageio/stream/FileImageOutputStream.html#length())()            Returns -1L to indicate that the stream has unknown length. |
| int | [**read**](http://docs.google.com/javax/imageio/stream/FileImageOutputStream.html#read())()            Reads a single byte from the stream and returns it as an int between 0 and 255. |
| int | [**read**](http://docs.google.com/javax/imageio/stream/FileImageOutputStream.html#read(byte%5B%5D,%20int,%20int))(byte[] b, int off, int len)            Reads up to len bytes from the stream, and stores them into b starting at index off. |
| void | [**seek**](http://docs.google.com/javax/imageio/stream/FileImageOutputStream.html#seek(long))(long pos)            Sets the current stream position and resets the bit offset to 0. |
| void | [**write**](http://docs.google.com/javax/imageio/stream/FileImageOutputStream.html#write(byte%5B%5D,%20int,%20int))(byte[] b, int off, int len)            Writes a sequence of bytes to the stream at the current position. |
| void | [**write**](http://docs.google.com/javax/imageio/stream/FileImageOutputStream.html#write(int))(int b)            Writes a single byte to the stream at the current position. |

| **Methods inherited from class javax.imageio.stream.**[**ImageOutputStreamImpl**](http://docs.google.com/javax/imageio/stream/ImageOutputStreamImpl.html) |
| --- |
| [flushBits](http://docs.google.com/javax/imageio/stream/ImageOutputStreamImpl.html#flushBits()), [write](http://docs.google.com/javax/imageio/stream/ImageOutputStreamImpl.html#write(byte%5B%5D)), [writeBit](http://docs.google.com/javax/imageio/stream/ImageOutputStreamImpl.html#writeBit(int)), [writeBits](http://docs.google.com/javax/imageio/stream/ImageOutputStreamImpl.html#writeBits(long,%20int)), [writeBoolean](http://docs.google.com/javax/imageio/stream/ImageOutputStreamImpl.html#writeBoolean(boolean)), [writeByte](http://docs.google.com/javax/imageio/stream/ImageOutputStreamImpl.html#writeByte(int)), [writeBytes](http://docs.google.com/javax/imageio/stream/ImageOutputStreamImpl.html#writeBytes(java.lang.String)), [writeChar](http://docs.google.com/javax/imageio/stream/ImageOutputStreamImpl.html#writeChar(int)), [writeChars](http://docs.google.com/javax/imageio/stream/ImageOutputStreamImpl.html#writeChars(char%5B%5D,%20int,%20int)), [writeChars](http://docs.google.com/javax/imageio/stream/ImageOutputStreamImpl.html#writeChars(java.lang.String)), [writeDouble](http://docs.google.com/javax/imageio/stream/ImageOutputStreamImpl.html#writeDouble(double)), [writeDoubles](http://docs.google.com/javax/imageio/stream/ImageOutputStreamImpl.html#writeDoubles(double%5B%5D,%20int,%20int)), [writeFloat](http://docs.google.com/javax/imageio/stream/ImageOutputStreamImpl.html#writeFloat(float)), [writeFloats](http://docs.google.com/javax/imageio/stream/ImageOutputStreamImpl.html#writeFloats(float%5B%5D,%20int,%20int)), [writeInt](http://docs.google.com/javax/imageio/stream/ImageOutputStreamImpl.html#writeInt(int)), [writeInts](http://docs.google.com/javax/imageio/stream/ImageOutputStreamImpl.html#writeInts(int%5B%5D,%20int,%20int)), [writeLong](http://docs.google.com/javax/imageio/stream/ImageOutputStreamImpl.html#writeLong(long)), [writeLongs](http://docs.google.com/javax/imageio/stream/ImageOutputStreamImpl.html#writeLongs(long%5B%5D,%20int,%20int)), [writeShort](http://docs.google.com/javax/imageio/stream/ImageOutputStreamImpl.html#writeShort(int)), [writeShorts](http://docs.google.com/javax/imageio/stream/ImageOutputStreamImpl.html#writeShorts(short%5B%5D,%20int,%20int)), [writeUTF](http://docs.google.com/javax/imageio/stream/ImageOutputStreamImpl.html#writeUTF(java.lang.String)) |

| **Methods inherited from class javax.imageio.stream.**[**ImageInputStreamImpl**](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html) |
| --- |
| [checkClosed](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html#checkClosed()), [flush](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html#flush()), [flushBefore](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html#flushBefore(long)), [getBitOffset](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html#getBitOffset()), [getByteOrder](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html#getByteOrder()), [getFlushedPosition](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html#getFlushedPosition()), [getStreamPosition](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html#getStreamPosition()), [isCached](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html#isCached()), [isCachedFile](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html#isCachedFile()), [isCachedMemory](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html#isCachedMemory()), [mark](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html#mark()), [read](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html#read(byte%5B%5D)), [readBit](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html#readBit()), [readBits](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html#readBits(int)), [readBoolean](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html#readBoolean()), [readByte](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html#readByte()), [readBytes](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html#readBytes(javax.imageio.stream.IIOByteBuffer,%20int)), [readChar](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html#readChar()), [readDouble](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html#readDouble()), [readFloat](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html#readFloat()), [readFully](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html#readFully(byte%5B%5D)), [readFully](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html#readFully(byte%5B%5D,%20int,%20int)), [readFully](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html#readFully(char%5B%5D,%20int,%20int)), [readFully](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html#readFully(double%5B%5D,%20int,%20int)), [readFully](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html#readFully(float%5B%5D,%20int,%20int)), [readFully](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html#readFully(int%5B%5D,%20int,%20int)), [readFully](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html#readFully(long%5B%5D,%20int,%20int)), [readFully](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html#readFully(short%5B%5D,%20int,%20int)), [readInt](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html#readInt()), [readLine](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html#readLine()), [readLong](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html#readLong()), [readShort](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html#readShort()), [readUnsignedByte](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html#readUnsignedByte()), [readUnsignedInt](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html#readUnsignedInt()), [readUnsignedShort](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html#readUnsignedShort()), [readUTF](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html#readUTF()), [reset](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html#reset()), [setBitOffset](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html#setBitOffset(int)), [setByteOrder](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html#setByteOrder(java.nio.ByteOrder)), [skipBytes](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html#skipBytes(int)), [skipBytes](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html#skipBytes(long)) |

| **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)), [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)) |

| **Methods inherited from interface javax.imageio.stream.**[**ImageOutputStream**](http://docs.google.com/javax/imageio/stream/ImageOutputStream.html) |
| --- |
| [flushBefore](http://docs.google.com/javax/imageio/stream/ImageOutputStream.html#flushBefore(long)) |

| **Methods inherited from interface javax.imageio.stream.**[**ImageInputStream**](http://docs.google.com/javax/imageio/stream/ImageInputStream.html) |
| --- |
| [flush](http://docs.google.com/javax/imageio/stream/ImageInputStream.html#flush()), [getBitOffset](http://docs.google.com/javax/imageio/stream/ImageInputStream.html#getBitOffset()), [getByteOrder](http://docs.google.com/javax/imageio/stream/ImageInputStream.html#getByteOrder()), [getFlushedPosition](http://docs.google.com/javax/imageio/stream/ImageInputStream.html#getFlushedPosition()), [getStreamPosition](http://docs.google.com/javax/imageio/stream/ImageInputStream.html#getStreamPosition()), [isCached](http://docs.google.com/javax/imageio/stream/ImageInputStream.html#isCached()), [isCachedFile](http://docs.google.com/javax/imageio/stream/ImageInputStream.html#isCachedFile()), [isCachedMemory](http://docs.google.com/javax/imageio/stream/ImageInputStream.html#isCachedMemory()), [mark](http://docs.google.com/javax/imageio/stream/ImageInputStream.html#mark()), [read](http://docs.google.com/javax/imageio/stream/ImageInputStream.html#read(byte%5B%5D)), [readBit](http://docs.google.com/javax/imageio/stream/ImageInputStream.html#readBit()), [readBits](http://docs.google.com/javax/imageio/stream/ImageInputStream.html#readBits(int)), [readBoolean](http://docs.google.com/javax/imageio/stream/ImageInputStream.html#readBoolean()), [readByte](http://docs.google.com/javax/imageio/stream/ImageInputStream.html#readByte()), [readBytes](http://docs.google.com/javax/imageio/stream/ImageInputStream.html#readBytes(javax.imageio.stream.IIOByteBuffer,%20int)), [readChar](http://docs.google.com/javax/imageio/stream/ImageInputStream.html#readChar()), [readDouble](http://docs.google.com/javax/imageio/stream/ImageInputStream.html#readDouble()), [readFloat](http://docs.google.com/javax/imageio/stream/ImageInputStream.html#readFloat()), [readFully](http://docs.google.com/javax/imageio/stream/ImageInputStream.html#readFully(byte%5B%5D)), [readFully](http://docs.google.com/javax/imageio/stream/ImageInputStream.html#readFully(byte%5B%5D,%20int,%20int)), [readFully](http://docs.google.com/javax/imageio/stream/ImageInputStream.html#readFully(char%5B%5D,%20int,%20int)), [readFully](http://docs.google.com/javax/imageio/stream/ImageInputStream.html#readFully(double%5B%5D,%20int,%20int)), [readFully](http://docs.google.com/javax/imageio/stream/ImageInputStream.html#readFully(float%5B%5D,%20int,%20int)), [readFully](http://docs.google.com/javax/imageio/stream/ImageInputStream.html#readFully(int%5B%5D,%20int,%20int)), [readFully](http://docs.google.com/javax/imageio/stream/ImageInputStream.html#readFully(long%5B%5D,%20int,%20int)), [readFully](http://docs.google.com/javax/imageio/stream/ImageInputStream.html#readFully(short%5B%5D,%20int,%20int)), [readInt](http://docs.google.com/javax/imageio/stream/ImageInputStream.html#readInt()), [readLine](http://docs.google.com/javax/imageio/stream/ImageInputStream.html#readLine()), [readLong](http://docs.google.com/javax/imageio/stream/ImageInputStream.html#readLong()), [readShort](http://docs.google.com/javax/imageio/stream/ImageInputStream.html#readShort()), [readUnsignedByte](http://docs.google.com/javax/imageio/stream/ImageInputStream.html#readUnsignedByte()), [readUnsignedInt](http://docs.google.com/javax/imageio/stream/ImageInputStream.html#readUnsignedInt()), [readUnsignedShort](http://docs.google.com/javax/imageio/stream/ImageInputStream.html#readUnsignedShort()), [readUTF](http://docs.google.com/javax/imageio/stream/ImageInputStream.html#readUTF()), [reset](http://docs.google.com/javax/imageio/stream/ImageInputStream.html#reset()), [setBitOffset](http://docs.google.com/javax/imageio/stream/ImageInputStream.html#setBitOffset(int)), [setByteOrder](http://docs.google.com/javax/imageio/stream/ImageInputStream.html#setByteOrder(java.nio.ByteOrder)), [skipBytes](http://docs.google.com/javax/imageio/stream/ImageInputStream.html#skipBytes(int)), [skipBytes](http://docs.google.com/javax/imageio/stream/ImageInputStream.html#skipBytes(long)) |

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

### FileImageOutputStream

public **FileImageOutputStream**([File](http://docs.google.com/java/io/File.html) f)  
 throws [FileNotFoundException](http://docs.google.com/java/io/FileNotFoundException.html),  
 [IOException](http://docs.google.com/java/io/IOException.html)

Constructs a FileImageOutputStream that will write to a given File.

**Parameters:**f - a File to write to. **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if f is null. [SecurityException](http://docs.google.com/java/lang/SecurityException.html) - if a security manager exists and does not allow write access to the file. [FileNotFoundException](http://docs.google.com/java/io/FileNotFoundException.html) - if f does not denote a regular file or it cannot be opened for reading and writing for any other reason. [IOException](http://docs.google.com/java/io/IOException.html) - if an I/O error occurs.

### FileImageOutputStream

public **FileImageOutputStream**([RandomAccessFile](http://docs.google.com/java/io/RandomAccessFile.html) raf)

Constructs a FileImageOutputStream that will write to a given RandomAccessFile.

**Parameters:**raf - a RandomAccessFile to write to. **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if raf is null.

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

### read

public int **read**()  
 throws [IOException](http://docs.google.com/java/io/IOException.html)

**Description copied from class:** [**ImageInputStreamImpl**](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html#read()) Reads a single byte from the stream and returns it as an int between 0 and 255. If EOF is reached, -1 is returned.

Subclasses must provide an implementation for this method. The subclass implementation should update the stream position before exiting.

The bit offset within the stream must be reset to zero before the read occurs.

**Specified by:**[read](http://docs.google.com/javax/imageio/stream/ImageInputStream.html#read()) in interface [ImageInputStream](http://docs.google.com/javax/imageio/stream/ImageInputStream.html)**Specified by:**[read](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html#read()) in class [ImageInputStreamImpl](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html) **Returns:**the value of the next byte in the stream, or -1 if EOF is reached. **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - if the stream has been closed.

### read

public int **read**(byte[] b,  
 int off,  
 int len)  
 throws [IOException](http://docs.google.com/java/io/IOException.html)

**Description copied from class:** [**ImageInputStreamImpl**](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html#read(byte%5B%5D,%20int,%20int)) Reads up to len bytes from the stream, and stores them into b starting at index off. If no bytes can be read because the end of the stream has been reached, -1 is returned.

The bit offset within the stream must be reset to zero before the read occurs.

Subclasses must provide an implementation for this method. The subclass implementation should update the stream position before exiting.

**Specified by:**[read](http://docs.google.com/javax/imageio/stream/ImageInputStream.html#read(byte%5B%5D,%20int,%20int)) in interface [ImageInputStream](http://docs.google.com/javax/imageio/stream/ImageInputStream.html)**Specified by:**[read](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html#read(byte%5B%5D,%20int,%20int)) in class [ImageInputStreamImpl](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html) **Parameters:**b - an array of bytes to be written to.off - the starting position within b to write to.len - the maximum number of bytes to read. **Returns:**the number of bytes actually read, or -1 to indicate EOF. **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - if an I/O error occurs.

### write

public void **write**(int b)  
 throws [IOException](http://docs.google.com/java/io/IOException.html)

**Description copied from interface:** [**ImageOutputStream**](http://docs.google.com/javax/imageio/stream/ImageOutputStream.html#write(int)) Writes a single byte to the stream at the current position. The 24 high-order bits of b are ignored.

If the bit offset within the stream is non-zero, the remainder of the current byte is padded with 0s and written out first. The bit offset will be 0 after the write. Implementers can use the [flushBits](http://docs.google.com/javax/imageio/stream/ImageOutputStreamImpl.html#flushBits()) method of [ImageOutputStreamImpl](http://docs.google.com/javax/imageio/stream/ImageOutputStreamImpl.html) to guarantee this.

**Specified by:**[write](http://docs.google.com/java/io/DataOutput.html#write(int)) in interface [DataOutput](http://docs.google.com/java/io/DataOutput.html)**Specified by:**[write](http://docs.google.com/javax/imageio/stream/ImageOutputStream.html#write(int)) in interface [ImageOutputStream](http://docs.google.com/javax/imageio/stream/ImageOutputStream.html)**Specified by:**[write](http://docs.google.com/javax/imageio/stream/ImageOutputStreamImpl.html#write(int)) in class [ImageOutputStreamImpl](http://docs.google.com/javax/imageio/stream/ImageOutputStreamImpl.html) **Parameters:**b - an int whose lower 8 bits are to be written. **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - if an I/O error occurs.

### write

public void **write**(byte[] b,  
 int off,  
 int len)  
 throws [IOException](http://docs.google.com/java/io/IOException.html)

**Description copied from interface:** [**ImageOutputStream**](http://docs.google.com/javax/imageio/stream/ImageOutputStream.html#write(byte%5B%5D,%20int,%20int)) Writes a sequence of bytes to the stream at the current position. If len is 0, nothing is written. The byte b[off] is written first, then the byte b[off + 1], and so on.

If the bit offset within the stream is non-zero, the remainder of the current byte is padded with 0s and written out first. The bit offset will be 0 after the write. Implementers can use the [flushBits](http://docs.google.com/javax/imageio/stream/ImageOutputStreamImpl.html#flushBits()) method of [ImageOutputStreamImpl](http://docs.google.com/javax/imageio/stream/ImageOutputStreamImpl.html) to guarantee this.

**Specified by:**[write](http://docs.google.com/java/io/DataOutput.html#write(byte%5B%5D,%20int,%20int)) in interface [DataOutput](http://docs.google.com/java/io/DataOutput.html)**Specified by:**[write](http://docs.google.com/javax/imageio/stream/ImageOutputStream.html#write(byte%5B%5D,%20int,%20int)) in interface [ImageOutputStream](http://docs.google.com/javax/imageio/stream/ImageOutputStream.html)**Specified by:**[write](http://docs.google.com/javax/imageio/stream/ImageOutputStreamImpl.html#write(byte%5B%5D,%20int,%20int)) in class [ImageOutputStreamImpl](http://docs.google.com/javax/imageio/stream/ImageOutputStreamImpl.html) **Parameters:**b - an array of bytes to be written.off - the start offset in the data.len - the number of bytes to write. **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - if an I/O error occurs.

### length

public long **length**()

**Description copied from class:** [**ImageInputStreamImpl**](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html#length()) Returns -1L to indicate that the stream has unknown length. Subclasses must override this method to provide actual length information.

**Specified by:**[length](http://docs.google.com/javax/imageio/stream/ImageInputStream.html#length()) in interface [ImageInputStream](http://docs.google.com/javax/imageio/stream/ImageInputStream.html)**Overrides:**[length](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html#length()) in class [ImageInputStreamImpl](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html) **Returns:**-1L to indicate unknown length.

### seek

public void **seek**(long pos)  
 throws [IOException](http://docs.google.com/java/io/IOException.html)

Sets the current stream position and resets the bit offset to 0. It is legal to seeking past the end of the file; an EOFException will be thrown only if a read is performed. The file length will not be increased until a write is performed.

**Specified by:**[seek](http://docs.google.com/javax/imageio/stream/ImageInputStream.html#seek(long)) in interface [ImageInputStream](http://docs.google.com/javax/imageio/stream/ImageInputStream.html)**Overrides:**[seek](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html#seek(long)) in class [ImageInputStreamImpl](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html) **Parameters:**pos - a long containing the desired file pointer position. **Throws:** [IndexOutOfBoundsException](http://docs.google.com/java/lang/IndexOutOfBoundsException.html) - if pos is smaller than the flushed position. [IOException](http://docs.google.com/java/io/IOException.html) - if any other I/O error occurs.

### close

public void **close**()  
 throws [IOException](http://docs.google.com/java/io/IOException.html)

**Description copied from interface:** [**ImageInputStream**](http://docs.google.com/javax/imageio/stream/ImageInputStream.html#close()) Closes the stream. Attempts to access a stream that has been closed may result in IOExceptions or incorrect behavior. Calling this method may allow classes implementing this interface to release resources associated with the stream such as memory, disk space, or file descriptors.

**Specified by:**[close](http://docs.google.com/javax/imageio/stream/ImageInputStream.html#close()) in interface [ImageInputStream](http://docs.google.com/javax/imageio/stream/ImageInputStream.html)**Overrides:**[close](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html#close()) in class [ImageInputStreamImpl](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html) **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - if an I/O error occurs.

### finalize

protected void **finalize**()  
 throws [Throwable](http://docs.google.com/java/lang/Throwable.html)

Finalizes this object prior to garbage collection. The close method is called to close any open input source. This method should not be called from application code.

**Overrides:**[finalize](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html#finalize()) in class [ImageInputStreamImpl](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html) **Throws:** [Throwable](http://docs.google.com/java/lang/Throwable.html) - if an error occurs during superclass finalization.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/FileImageOutputStream.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/FileImageInputStream.html)   [**NEXT CLASS**](http://docs.google.com/javax/imageio/stream/IIOByteBuffer.html) | [**FRAMES**](http://docs.google.com/index.html?javax/imageio/stream/FileImageOutputStream.html)    [**NO FRAMES**](http://docs.google.com/FileImageOutputStream.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#2et92p0) | [CONSTR](#tyjcwt) | [METHOD](#3dy6vkm) | DETAIL: FIELD | [CONSTR](#26in1rg) | [METHOD](#1ksv4uv) |

[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.

Copyright 2006 Sun Microsystems, Inc. All rights reserved. Use is subject to [license terms](http://docs.google.com/legal/license.html). Also see the [documentation redistribution policy](http://java.sun.com/docs/redist.html).