| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/FileCacheImageOutputStream.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/FileCacheImageInputStream.html)   [**NEXT CLASS**](http://docs.google.com/javax/imageio/stream/FileImageInputStream.html) | [**FRAMES**](http://docs.google.com/index.html?javax/imageio/stream/FileCacheImageOutputStream.html)    [**NO FRAMES**](http://docs.google.com/FileCacheImageOutputStream.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#2et92p0) | [CONSTR](#tyjcwt) | [METHOD](#3dy6vkm) | DETAIL: FIELD | [CONSTR](#3rdcrjn) | [METHOD](#lnxbz9) |

## **javax.imageio.stream**

Class FileCacheImageOutputStream

[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.FileCacheImageOutputStream**

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

An implementation of ImageOutputStream that writes its output to a regular OutputStream. A file is used to cache data until it is flushed to the output stream.

| **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** | |
| --- | --- |
| [**FileCacheImageOutputStream**](http://docs.google.com/javax/imageio/stream/FileCacheImageOutputStream.html#FileCacheImageOutputStream(java.io.OutputStream,%20java.io.File))([OutputStream](http://docs.google.com/java/io/OutputStream.html) stream, [File](http://docs.google.com/java/io/File.html) cacheDir)            Constructs a FileCacheImageOutputStream that will write to a given outputStream. |

| **Method Summary** | |
| --- | --- |
| void | [**close**](http://docs.google.com/javax/imageio/stream/FileCacheImageOutputStream.html#close())()            Closes this FileCacheImageOututStream. |
| void | [**flushBefore**](http://docs.google.com/javax/imageio/stream/FileCacheImageOutputStream.html#flushBefore(long))(long pos)            Discards the initial portion of the stream prior to the indicated postion. |
| boolean | [**isCached**](http://docs.google.com/javax/imageio/stream/FileCacheImageOutputStream.html#isCached())()            Returns true since this ImageOutputStream caches data in order to allow seeking backwards. |
| boolean | [**isCachedFile**](http://docs.google.com/javax/imageio/stream/FileCacheImageOutputStream.html#isCachedFile())()            Returns true since this ImageOutputStream maintains a file cache. |
| boolean | [**isCachedMemory**](http://docs.google.com/javax/imageio/stream/FileCacheImageOutputStream.html#isCachedMemory())()            Returns false since this ImageOutputStream does not maintain a main memory cache. |
| long | [**length**](http://docs.google.com/javax/imageio/stream/FileCacheImageOutputStream.html#length())()            Returns -1L to indicate that the stream has unknown length. |
| int | [**read**](http://docs.google.com/javax/imageio/stream/FileCacheImageOutputStream.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/FileCacheImageOutputStream.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/FileCacheImageOutputStream.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/FileCacheImageOutputStream.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/FileCacheImageOutputStream.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()), [finalize](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html#finalize()), [flush](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html#flush()), [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()), [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.**[**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()), [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** |
| --- |

### FileCacheImageOutputStream

public **FileCacheImageOutputStream**([OutputStream](http://docs.google.com/java/io/OutputStream.html) stream,  
 [File](http://docs.google.com/java/io/File.html) cacheDir)  
 throws [IOException](http://docs.google.com/java/io/IOException.html)

Constructs a FileCacheImageOutputStream that will write to a given outputStream.

A temporary file is used as a cache. If cacheDiris non-null and is a directory, the file will be created there. If it is null, the system-dependent default temporary-file directory will be used (see the documentation for File.createTempFile for details).

**Parameters:**stream - an OutputStream to write to.cacheDir - a File indicating where the cache file should be created, or null to use the system directory. **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if stream is null. [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if cacheDir is non-null but is not a directory. [IOException](http://docs.google.com/java/io/IOException.html) - if a cache file cannot be created.

| **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 seek 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.

### isCached

public boolean **isCached**()

Returns true since this ImageOutputStream caches data in order to allow seeking backwards.

**Specified by:**[isCached](http://docs.google.com/javax/imageio/stream/ImageInputStream.html#isCached()) in interface [ImageInputStream](http://docs.google.com/javax/imageio/stream/ImageInputStream.html)**Overrides:**[isCached](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html#isCached()) in class [ImageInputStreamImpl](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html) **Returns:**true.**See Also:**[isCachedMemory()](http://docs.google.com/javax/imageio/stream/FileCacheImageOutputStream.html#isCachedMemory()), [isCachedFile()](http://docs.google.com/javax/imageio/stream/FileCacheImageOutputStream.html#isCachedFile())

### isCachedFile

public boolean **isCachedFile**()

Returns true since this ImageOutputStream maintains a file cache.

**Specified by:**[isCachedFile](http://docs.google.com/javax/imageio/stream/ImageInputStream.html#isCachedFile()) in interface [ImageInputStream](http://docs.google.com/javax/imageio/stream/ImageInputStream.html)**Overrides:**[isCachedFile](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html#isCachedFile()) in class [ImageInputStreamImpl](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html) **Returns:**true.**See Also:**[isCached()](http://docs.google.com/javax/imageio/stream/FileCacheImageOutputStream.html#isCached()), [isCachedMemory()](http://docs.google.com/javax/imageio/stream/FileCacheImageOutputStream.html#isCachedMemory())

### isCachedMemory

public boolean **isCachedMemory**()

Returns false since this ImageOutputStream does not maintain a main memory cache.

**Specified by:**[isCachedMemory](http://docs.google.com/javax/imageio/stream/ImageInputStream.html#isCachedMemory()) in interface [ImageInputStream](http://docs.google.com/javax/imageio/stream/ImageInputStream.html)**Overrides:**[isCachedMemory](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html#isCachedMemory()) in class [ImageInputStreamImpl](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html) **Returns:**false.**See Also:**[isCached()](http://docs.google.com/javax/imageio/stream/FileCacheImageOutputStream.html#isCached()), [isCachedFile()](http://docs.google.com/javax/imageio/stream/FileCacheImageOutputStream.html#isCachedFile())

### close

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

Closes this FileCacheImageOututStream. All pending data is flushed to the output, and the cache file is closed and removed. The destination OutputStream is not closed.

**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 error occurs.

### flushBefore

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

**Description copied from interface:** [**ImageInputStream**](http://docs.google.com/javax/imageio/stream/ImageInputStream.html#flushBefore(long)) Discards the initial portion of the stream prior to the indicated postion. Attempting to seek to an offset within the flushed portion of the stream will result in an IndexOutOfBoundsException.

Calling flushBefore may allow classes implementing this interface to free up resources such as memory or disk space that are being used to store data from the stream.

**Specified by:**[flushBefore](http://docs.google.com/javax/imageio/stream/ImageInputStream.html#flushBefore(long)) in interface [ImageInputStream](http://docs.google.com/javax/imageio/stream/ImageInputStream.html)**Specified by:**[flushBefore](http://docs.google.com/javax/imageio/stream/ImageOutputStream.html#flushBefore(long)) in interface [ImageOutputStream](http://docs.google.com/javax/imageio/stream/ImageOutputStream.html)**Overrides:**[flushBefore](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html#flushBefore(long)) in class [ImageInputStreamImpl](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html) **Parameters:**pos - a long containing the length of the stream prefix that may be flushed. **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - if an I/O error occurs.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/FileCacheImageOutputStream.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/FileCacheImageInputStream.html)   [**NEXT CLASS**](http://docs.google.com/javax/imageio/stream/FileImageInputStream.html) | [**FRAMES**](http://docs.google.com/index.html?javax/imageio/stream/FileCacheImageOutputStream.html)    [**NO FRAMES**](http://docs.google.com/FileCacheImageOutputStream.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#2et92p0) | [CONSTR](#tyjcwt) | [METHOD](#3dy6vkm) | DETAIL: FIELD | [CONSTR](#3rdcrjn) | [METHOD](#lnxbz9) |

[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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