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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/DccFileTransfer.html) | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-all.html) | [**Help**](http://docs.google.com/help-doc.html) | |  |  | ***PircBot Java IRC Bot*** |
| [**PREV CLASS**](http://docs.google.com/org/jibble/pircbot/DccChat.html)   [**NEXT CLASS**](http://docs.google.com/org/jibble/pircbot/DccManager.html) | [**FRAMES**](http://docs.google.com/index.html)    [**NO FRAMES**](http://docs.google.com/DccFileTransfer.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#id.3znysh7)| CONSTR | [METHOD](#id.2et92p0) | DETAIL: [FIELD](#id.3dy6vkm)| CONSTR | [METHOD](#id.4d34og8) |

**org.jibble.pircbot**

Class DccFileTransfer

[java.lang.Object](http://java.sun.com/j2se/1.4/docs/api/java/lang/Object.html)  
 **org.jibble.pircbot.DccFileTransfer**

public class **DccFileTransfer**extends [Object](http://java.sun.com/j2se/1.4/docs/api/java/lang/Object.html)

This class is used to administer a DCC file transfer.

**Since:** 1.2.0 **Version:** 1.5.0 (Build time: Mon Dec 14 20:07:17 2009) **Author:** Paul James Mutton, <http://www.jibble.org/>

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| **Field Summary** |  |
| static int | [**BUFFER\_SIZE**](http://docs.google.com/org/jibble/pircbot/DccFileTransfer.html#BUFFER_SIZE)            The default buffer size to use when sending and receiving files. |

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| **Method Summary** |  |
| void | [**close**](http://docs.google.com/org/jibble/pircbot/DccFileTransfer.html#close())()            Stops the DCC file transfer by closing the connection. |
| [File](http://java.sun.com/j2se/1.4/docs/api/java/io/File.html) | [**getFile**](http://docs.google.com/org/jibble/pircbot/DccFileTransfer.html#getFile())()            Returns the suggested file to be used for this transfer. |
| [String](http://java.sun.com/j2se/1.4/docs/api/java/lang/String.html) | [**getHostname**](http://docs.google.com/org/jibble/pircbot/DccFileTransfer.html#getHostname())()            Returns the hostname of the file sender. |
| [String](http://java.sun.com/j2se/1.4/docs/api/java/lang/String.html) | [**getLogin**](http://docs.google.com/org/jibble/pircbot/DccFileTransfer.html#getLogin())()            Returns the login of the file sender. |
| [String](http://java.sun.com/j2se/1.4/docs/api/java/lang/String.html) | [**getNick**](http://docs.google.com/org/jibble/pircbot/DccFileTransfer.html#getNick())()            Returns the nick of the other user taking part in this file transfer. |
| long | [**getNumericalAddress**](http://docs.google.com/org/jibble/pircbot/DccFileTransfer.html#getNumericalAddress())()            Returns the address of the sender as a long. |
| long | [**getPacketDelay**](http://docs.google.com/org/jibble/pircbot/DccFileTransfer.html#getPacketDelay())()            returns the delay time between each packet that is send or received. |
| int | [**getPort**](http://docs.google.com/org/jibble/pircbot/DccFileTransfer.html#getPort())()            Returns the port number to be used when making the connection. |
| long | [**getProgress**](http://docs.google.com/org/jibble/pircbot/DccFileTransfer.html#getProgress())()            Returns the progress (in bytes) of the current file transfer. |
| double | [**getProgressPercentage**](http://docs.google.com/org/jibble/pircbot/DccFileTransfer.html#getProgressPercentage())()            Returns the progress of the file transfer as a percentage. |
| long | [**getSize**](http://docs.google.com/org/jibble/pircbot/DccFileTransfer.html#getSize())()            Returns the size (in bytes) of the file being transfered. |
| long | [**getTransferRate**](http://docs.google.com/org/jibble/pircbot/DccFileTransfer.html#getTransferRate())()            Returns the rate of data transfer in bytes per second. |
| boolean | [**isIncoming**](http://docs.google.com/org/jibble/pircbot/DccFileTransfer.html#isIncoming())()            Returns true if the file transfer is incoming (somebody is sending the file to us). |
| boolean | [**isOutgoing**](http://docs.google.com/org/jibble/pircbot/DccFileTransfer.html#isOutgoing())()            Returns true if the file transfer is outgoing (we are sending the file to someone). |
| void | [**receive**](http://docs.google.com/org/jibble/pircbot/DccFileTransfer.html#receive(java.io.File,%20boolean))([File](http://java.sun.com/j2se/1.4/docs/api/java/io/File.html) file, boolean resume)            Receives a DccFileTransfer and writes it to the specified file. |
| void | [**setPacketDelay**](http://docs.google.com/org/jibble/pircbot/DccFileTransfer.html#setPacketDelay(long))(long millis)            Sets the delay time between sending or receiving each packet. |

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| **Methods inherited from class java.lang.**[**Object**](http://java.sun.com/j2se/1.4/docs/api/java/lang/Object.html) |
| [clone](http://java.sun.com/j2se/1.4/docs/api/java/lang/Object.html#clone()), [equals](http://java.sun.com/j2se/1.4/docs/api/java/lang/Object.html#equals(java.lang.Object)), [finalize](http://java.sun.com/j2se/1.4/docs/api/java/lang/Object.html#finalize()), [getClass](http://java.sun.com/j2se/1.4/docs/api/java/lang/Object.html#getClass()), [hashCode](http://java.sun.com/j2se/1.4/docs/api/java/lang/Object.html#hashCode()), [notify](http://java.sun.com/j2se/1.4/docs/api/java/lang/Object.html#notify()), [notifyAll](http://java.sun.com/j2se/1.4/docs/api/java/lang/Object.html#notifyAll()), [toString](http://java.sun.com/j2se/1.4/docs/api/java/lang/Object.html#toString()), [wait](http://java.sun.com/j2se/1.4/docs/api/java/lang/Object.html#wait()), [wait](http://java.sun.com/j2se/1.4/docs/api/java/lang/Object.html#wait(long)), [wait](http://java.sun.com/j2se/1.4/docs/api/java/lang/Object.html#wait(long,%20int)) |

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| **Field Detail** |

### BUFFER\_SIZE

public static final int **BUFFER\_SIZE**

The default buffer size to use when sending and receiving files.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#org.jibble.pircbot.DccFileTransfer.BUFFER_SIZE)

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| **Method Detail** |

### receive

public void **receive**([File](http://java.sun.com/j2se/1.4/docs/api/java/io/File.html) file,  
 boolean resume)

Receives a DccFileTransfer and writes it to the specified file. Resuming allows a partial download to be continue from the end of the current file contents.

**Parameters:**file - The file to write to.resume - True if you wish to try and resume the download instead of overwriting an existing file.

### getNick

public [String](http://java.sun.com/j2se/1.4/docs/api/java/lang/String.html) **getNick**()

Returns the nick of the other user taking part in this file transfer.

**Returns:**the nick of the other user.

### getLogin

public [String](http://java.sun.com/j2se/1.4/docs/api/java/lang/String.html) **getLogin**()

Returns the login of the file sender.

**Returns:**the login of the file sender. null if we are sending.

### getHostname

public [String](http://java.sun.com/j2se/1.4/docs/api/java/lang/String.html) **getHostname**()

Returns the hostname of the file sender.

**Returns:**the hostname of the file sender. null if we are sending.

### getFile

public [File](http://java.sun.com/j2se/1.4/docs/api/java/io/File.html) **getFile**()

Returns the suggested file to be used for this transfer.

**Returns:**the suggested file to be used.

### getPort

public int **getPort**()

Returns the port number to be used when making the connection.

**Returns:**the port number.

### isIncoming

public boolean **isIncoming**()

Returns true if the file transfer is incoming (somebody is sending the file to us).

**Returns:**true if the file transfer is incoming.

### isOutgoing

public boolean **isOutgoing**()

Returns true if the file transfer is outgoing (we are sending the file to someone).

**Returns:**true if the file transfer is outgoing.

### setPacketDelay

public void **setPacketDelay**(long millis)

Sets the delay time between sending or receiving each packet. Default is 0. This is useful for throttling the speed of file transfers to maintain a good quality of service for other things on the machine or network.

**Parameters:**millis - The number of milliseconds to wait between packets.

### getPacketDelay

public long **getPacketDelay**()

returns the delay time between each packet that is send or received.

**Returns:**the delay between each packet.

### getSize

public long **getSize**()

Returns the size (in bytes) of the file being transfered.

**Returns:**the size of the file. Returns -1 if the sender did not specify this value.

### getProgress

public long **getProgress**()

Returns the progress (in bytes) of the current file transfer. When resuming, this represents the total number of bytes in the file, which may be greater than the amount of bytes resumed in just this transfer.

**Returns:**the progress of the transfer.

### getProgressPercentage

public double **getProgressPercentage**()

Returns the progress of the file transfer as a percentage. Note that this should never be negative, but could become greater than 100% if you attempt to resume a larger file onto a partially downloaded file that was smaller.

**Returns:**the progress of the transfer as a percentage.

### close

public void **close**()

Stops the DCC file transfer by closing the connection.

### getTransferRate

public long **getTransferRate**()

Returns the rate of data transfer in bytes per second. This value is an estimate based on the number of bytes transfered since the connection was established.

**Returns:**data transfer rate in bytes per second.

### getNumericalAddress

public long **getNumericalAddress**()

Returns the address of the sender as a long.

**Returns:**the address of the sender as a long.

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| |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/DccFileTransfer.html) | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-all.html) | [**Help**](http://docs.google.com/help-doc.html) | |  |  | ***PircBot Java IRC Bot*** |
| [**PREV CLASS**](http://docs.google.com/org/jibble/pircbot/DccChat.html)   [**NEXT CLASS**](http://docs.google.com/org/jibble/pircbot/DccManager.html) | [**FRAMES**](http://docs.google.com/index.html)    [**NO FRAMES**](http://docs.google.com/DccFileTransfer.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
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