



Google Talk for Developers g+1 0

Overview

Open Communications

libjingle

Developer Guide

Changelogist

Important Concepts

How libjingle

Applications Work

Creating a libjingle
ApplicationSigning In to a
ServerSending and
Querying
PresenceSet Up the
Session
Management
PathwayMaking and
Receiving
Connections

Scenarios

Sample Applications

File Share
ApplicationVoice Chat
Application

Reference

BasicPortAllocator
Class

Call Class

Codec Struct

ChannelManager

FileStream Class

An extension of the [StreamInterface](#) class that enables asynchronous reading and writing from/to a file on disk. This class disables the copy constructor. You must call **Open** to start reading or writing the file. The methods shown are not thread-safe, and can be called on any thread.

Syntax

```
class FileStream : public StreamInterface
```

Methods

Name	Description
void Close ()	Closes the file. This will not send an SE_CLOSE error, because it is a deliberate action. You can call Open to open another file.
bool DisableBuffering ()	By default, reading and writing are buffered. Calling this method blocks all write attempts to block until the disk bytes are updated.
FileStream ()	Constructor.
~FileStream	Destructor. Calls Close to close the file, if it has not been explicitly closed already.
bool GetPosition (size_t *position) const	Retrieves the current read/write position in the file. Returns True if the call succeeded, False otherwise.
bool GetSize (size_t *size) const	Retrieves the size of the file. Returns True if the call succeeded, False otherwise.
StreamState GetState ()	Returns the current state of the file.
bool Open (const char *filename, const char *mode)	Creates or opens the file named <i>filename</i> . Values for <i>mode</i> are the same values supported by stdio::fopen.
bool OpenShare (const std::string& filename, const char* mode, int shflag)	Creates or opens the file named <i>filename</i> with the sharing mode specified by <i>shflag</i> .
StreamResult Read (void *buffer, size_t buffer_len, size_t *read, int *error)	Reads a specified number of bytes from the stream. Does not return the number of bytes read if any error occurs.

Class		<ul style="list-style-type: none"><i>buffer</i> A caller-allocated buffer to hold the data to read.<i>buffer_len</i> The size, in bytes, of <i>buffer</i>.<i>read</i> The number of bytes written to <i>buffer</i>.<i>error</i> Details about any error that occurred. Error values are defined in talk/base/socket.h.
Connection Class		
FileStream Class		
HttpPortAllocator Class		
MediaChannel Class		
MediaEngine Class	bool Rewind()	Resets the current read/write position to the start of the stream. Returns True if successful, False otherwise.
MemoryStream Class	bool SetPosition (size_t <i>position</i>)	Tries to move the pointer to the position <i>position</i> in the file. Returns True if successful, False otherwise.
P2PTransportChannel Class	StreamResult Write(const void * <i>data</i> , size_t <i>data_len</i> , size_t * <i>written</i> , int * <i>error</i>)	Writes a specified number of bytes to the stream. Does not return the number of bytes written if any error occurs. <ul style="list-style-type: none"><i>data</i> The data to write.<i>data_len</i> The size, in bytes, of <i>data</i>.<i>written</i> The number of bytes written to the stream.<i>error</i> Details about any error that occurred. Error values are defined in talk/base/socket.h
Port Class		
PresenceOutTask Class		
PresencePushTask Class		
Session Class		
SessionClient Class		
SessionManager Class		
SessionSendTask Class		
StreamEvent Enumeration	Attributes: public	
StreamInterface Class	Declaration file: talk/base/stream.h	
StreamResult Enumeration		
StreamState Enumeration		
Task Class		
VoiceChannel Class		
XmppClient Class		
XmppEngine Class		
XmppPump		
XmppTask Class		

- Off the Record Chats
- Jingle Server
- Discovery
- Gmail Notifications
- Shared Status
- Messages
- Extended Contact
- Attributes
- JID Domain Discovery
- Voicemail
- OAuth 2.0
- Authorization

Additional Resources

- Other IM Clients
- Accessories
- Google Talk Blog

All rights reserved.

Last updated March 23, 2012.



Search

Follow

1.7M

Explore

Products

Showcase

Events

Communities

Connect

Blog

Google+ Community Groups

YouTube Channel

Report an Issue

Jobs

Programs

Experts

Startups

Women Techmakers

Top Products

Ads

Analytics

Android

Apps

Cast

Chrome

Cloud

Glass

Google+

Maps

Wallet

YouTube