



Search: Go

Reference <fstream> filebuf

Not logged in

register log in

C++

Information

Tutorials

Reference

Articles

Forum

Reference

C library:

Containers:

Input/Output:

<fstream>

<iomanip>

<ios>

<iosfwd>

<iostream>

<istream>

<ostream>

<sstream>

<streambuf>

Multi-threading:

Other:

<fstream>

class templates:

basic_filebuf

basic_fstream

basic_ifstream

basic_ofstream

classes:

filebuf

fstream

ifstream

ofstream

wfilebuf

wfstream

wifstream

wofstream

filebuf

filebuf::filebuf

filebuf::~filebuf

public members:

filebuf::close

filebuf::is_open

filebuf::open

filebuf::operator=

filebuf::swap

protected virtual members:

filebuf::imbue

filebuf::overflow

filebuf::pbackfail

filebuf::seekoff

filebuf::seekpos

filebuf::setbuf

filebuf::showmanyc

filebuf::sync

filebuf::uflow

filebuf::underflow

non-member overloads:

swap (filebuf)

Plsql Features

Download the 30 day trail version for PL/SQL IDE!

>

Networking 4 Game Devs

64 Network DO's and DON'Ts for Game Developers

>

class

std::filebuf

<fstream>

```
typedef basic_filebuf<char> filebuf;
```

File stream buffer

streambuf

filebuf

Stream buffer to read from and write to files.

Constructed without association, these objects are associated to a file by calling member `open`. Once `open`, all input/output operations performed on the object are reflected in the associated file.Objects of this class may internally maintain an *intermediate input buffer* and/or an *intermediate output buffer*, where individual characters are read or written by i/o operations. These buffers are synchronized with the contents of the file once filled up, when explicitly requested to do so (`sync`), or when the object is `closed`.Objects of this class may be explicitly made unbuffered by calling member `pubsetbuf` with both arguments set to zero (see member `setbuf`): Unbuffered *file stream buffers* perform the i/o operations directly on the file, without an intermediate buffer.Access to the associated sequence of characters (i.e., the file) is given to streams by means of the interface offered by the virtual members inherited from `streambuf` that are overridden in this class.This is an instantiation of `basic_filebuf` with the following template parameters:**Member types****Public member functions****File association****Public member functions inherited from streambuf****Locales:****Buffer management and positioning:****Input functions (get):**

http://www.cplusplus.com/reference/fstream/filebuf/

1/2

sbumpc	Get current character and advance to next position (public member function)
sgetc	Get current character (public member function)
sgetn	Get sequence of characters (public member function)
sputbackc	Put character back (public member function)
sungetc	Decrease current position (public member function)

Output functions (put):

sputc	Store character at current put position and increase put pointer (public member function)
sputn	Put sequence of characters (public member function)

fx **Protected virtual function overrides**

showmanyc	Get number of characters available (protected virtual member function)
underflow	Get character on underflow (protected virtual member function)
uflow	Get character on overflow and advance position (protected virtual member function)
pbackfail	Put character back on backup underflow (protected virtual member function)
overflow	Put character on overflow (protected virtual member function)
setbuf	Set buffer (protected virtual member function)
seekoff	Set internal position to relative position (protected virtual member function)
seekpos	Set position pointer to absolute position (protected virtual member function)
sync	Synchronize buffer (protected virtual member function)
imbue	Imbue locale (protected virtual member function)

The class also inherits other protected members that are non-virtual or not overridden. See base class [streambuf](#) for more details.

fx **Non-member function overloads**

swap 	Swap file buffers (function)
---	--