



Search:

[Reference](#)
[<fstream>](#)
[ofstream](#)
[is_open](#)

[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_istream](#)
[basic_ofstream](#)

classes:

[filebuf](#)
[fstream](#)
[ifstream](#)
[ofstream](#)
[wfilebuf](#)
[wfstream](#)
[wifstream](#)
[wofstream](#)

ofstream

ofstream::ofstream

public member functions:

[ofstream::close](#)
[ofstream::is_open](#)
[ofstream::open](#)
[ofstream::operator=](#)
[ofstream::rdbuf](#)
[ofstream::swap](#)

non-member overloads:

[swap\(basic_ofstream\)](#)

PatchIT Updating Library

PatchIT offers fully automated updating libraries for coding

public member function

std::ofstream::is_open

<fstream>

C++98

C++11

?

bool is_open();

Check if file is open

Returns whether the stream is currently associated to a file.

Streams can be associated to files by a successful call to member [open](#) or directly on construction, and disassociated by calling [close](#) or on destruction.

The file association of a stream is kept by its *internal stream buffer*: Internally, the function calls `rdbuf()->is_open()`

Parameters

none

Return Value

true if a file is open and associated with this *stream* object.
false otherwise.

Example

```

1 // ofstream::is_open
2 #include <iostream>      // std::cout
3 #include <fstream>      // std::ofstream
4
5 int main () {
6     std::ofstream ofs;
7     ofs.open ("test.txt");
8     if (ofs.is_open())
9     {
10        ofs << "lorem ipsum";
11        std::cout << "Output operation successfully performed\n";
12        ofs.close();
13    }
14    else
15    {
16        std::cout << "Error opening file";
17    }
18    return 0;
19 }
```

Possible output:

Output operation successfully performed

Data races

Accesses the `ofstream` object.
Concurrent access to the same *stream* may introduce data races.

Exception safety

Strong guarantee: if an exception is thrown, there are no changes in the *stream*.

See also

ofstream::open	Open file (public member function)
ofstream::close	Close file (public member function)
filebuf::is_open	Check if a file is open (public member function)

[Home page](#) | [Privacy policy](#)
© cplusplus.com, 2000-2015 - All rights reserved - v3.1
Spotted an error? [contact us](#)