



Search: Go

Reference <fstream> filebuf uflow

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)

C++ Error

Free Answers to Your C++
Language Questions. Register Now!

protected virtual member function

std::filebuf::uflow <fstream>

```
int uflow();
```

Get character on overflow and advance position
Returns the character at the current input position, and advances the input position pointer.

Before that, this function attempts to read characters from the associated file and -if the object keeps an *intermediate buffer*- makes them available by altering the *internal input buffer* pointers (*gptr*, *egptr* and *eback*) as needed.

If there are no more characters available and the function did not succeed in reading more characters from the associated file, it returns the *end-of-file* value (EOF), indicating failure.

This virtual member function overrides the inherited member `streambuf::uflow`, called by members such as `sbumpc` to request a new character when there are no read positions available at the *get pointer* (*gptr*).

The behavior of this member function is similar to that of `underflow`, except that this function advances the input position.

Parameters
none

Return Value
The character at the current position of the *controlled input sequence*, as a value of type `int`.
If there are no more characters to read from the *controlled input sequence*, it returns the *end-of-file* value (EOF).

Data races
Modifies the `filebuf` object.
Concurrent access to the same *file stream buffer* object may introduce data races.

Exception safety
Basic guarantee: if an exception is thrown, the *file stream buffer* is in a valid state.

See also

<code>filebuf::underflow</code>	Get character on underflow (protected virtual member function)
<code>streambuf::uflow</code>	Get character on underflow and advance position (protected virtual member function)
<code>streambuf::sbumpc</code>	Get current character and advance to next position (public member function)

Home page | Privacy policy

© cplusplus.com, 2000-2015 - All rights reserved - v3.1

Spotted an error? contact us