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Reference

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class templates:

basic\_filebuf
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classes:

filebuf
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ifstream
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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++ Method

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public member function

std::filebuf::swap

<fstream>

```
void swap (filebuf& x);
```

Swap file buffers

Exchanges the contents and state of x and \*this. This includes the *internal pointers* and the *locale object*.

Parameters

x

Another [filebuf](#) object of the same type (i.e., instantiated with the same template parameters, charT and traits).

Return value

none

Data races

Modifies both [filebuf](#) objects (\*this and x).  
Concurrent access to the same *file stream buffer* objects may introduce data races.

Exception safety

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

See also

swap

Exchange values of two objects ([function template](#) )

filebuf::operator=

Move-assignment ([public member function](#) )

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