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Reference

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public member function

std::ifstream::swap

<fstream>

void swap (ifstream& x);

Swap internals

Exchanges all internal data between x and \*this.

Internally, the function calls `istream::swap` and then calls the member `swap` of the associated `filebuf` object.

Parameters

x

Another ifstream object.

Return Value

none

Example

```

1 // swapping ifstream objects
2 #include <iostream>      // std::cout
3 #include <fstream>      // std::ifstream
4
5 int main () {
6     std::ifstream foo;
7     std::ifstream bar ("test.txt");
8
9     foo.swap(bar);
10
11     char c = foo.get();
12
13     while (foo.good()) {
14         std::cout << c;
15         c = foo.get();
16     }
17
18     foo.close();
19
20     return 0;
21 }

```

Data races

Modifies both stream objects (\*this and x).

Exception safety

**No-throw guarantee:** this member function never throws exceptions.

See also

<a href="#">ifstream::operator=</a>	Move assignment (public member function )
<a href="#">istream::swap</a>	Swap internals (protected member function )

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