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PatchIT Updating Library  
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public member function

std::ifstream::rdbuf

<fstream>

```
filebuf* rdbuf() const;
```

**Get stream buffer**  
Returns a pointer to the internal `filebuf` object.

Notice however, that this is not necessarily the same as the currently *associated stream buffer* (returned by `ios::rdbuf`).

Parameters

none

Return Value

A pointer to the internal `filebuf` object.

Example

```

1 // read file data using associated buffer's members
2 #include <iostream>      // std::cout
3 #include <fstream>      // std::filebuf, std::ifstream
4
5 int main () {
6     std::ifstream ifs ("test.txt", std::ifstream::binary);
7
8     // get pointer to associated buffer object
9     std::filebuf* pbuf = ifs.rdbuf();
10
11    // get file size using buffer's members
12    std::size_t size = pbuf->pubseekoff (0,ifs.end,ifs.in);
13    pbuf->pubseekpos (0,ifs.in);
14
15    // allocate memory to contain file data
16    char* buffer=new char[size];
17
18    // get file data
19    pbuf->sgetn (buffer,size);
20
21    ifs.close();
22
23    // write content to stdout
24    std::cout.write (buffer,size);
25
26    delete[] buffer;
27
28    return 0;
29 }
```

Data races

Accesses the stream object.  
Concurrent access to the same stream object may cause data races.

Exception safety

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

See also

filebuf

File stream buffer (class )

ios::rdbuf

Get/set stream buffer (public member function )

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