

Search:

Reference <ios> nunitbuf

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:

<ios>

types:

basic\_ios

fpos

ios

ios\_base

io\_errc

streamoff

streampos

streamsize

wios

wstreampos

manipulators:

boolalpha

dec

defaultfloat

fixed

hex

hexfloat

internal

left

noboolalpha

noshowbase

noshowpoint

noshowpos

noskipws

nunitbuf

nuppercase

oct

right

scientific

showbase

showpoint

showpos

skipws

unitbuf

uppercase

other functions:

istream\_category

function

<ios> <iostream>

**std::nunitbuf**

`ios_base& nunitbuf (ios_base& str);`

**Do not force flushes after insertions**

Clears the unitbuf "format" flag for the *str* stream.

When the unitbuf flag is not set, the associated buffer is not forced to be flushed after every insertion operation.

This flag can be set with the `unitbuf` manipulator, forcing flushes after every insertion.

For standard streams, the unitbuf flag is **not set** on initialization.

**Parameters**

str

Stream object whose *format flag* is affected.  
Because this function is a manipulator, it is designed to be used alone with no arguments in conjunction with the *insertion* (<<) and *extraction* (>>) operations on streams (see example below).

**Return Value**

Argument *str*.

**Example**

```
1 // modify unitbuf flag
2 #include <ios>           // std::unitbuf
3 #include <fstream>       // std::ofstream
4
5 int main () {
6     std::ofstream outfile ("test.txt");
7     outfile << std::unitbuf << "Test " << "file" << '\n'; // flushed three times
8     outfile.close();
9     return 0;
10 }
```

**Data races**

Modifies *str*. Concurrent access to the same stream object may cause data races.

**Exception safety**

**Basic guarantee:** if an exception is thrown, *str* is in a valid state.


**See also**

<b>unitbuf</b>	Flush buffer after insertions ( <a href="#">function</a> )
<b>ios_base::flags</b>	Get/set format flags ( <a href="#">public member function</a> )
<b>ios_base::setf</b>	Set specific format flags ( <a href="#">public member function</a> )
<b>ios_base::unsetf</b>	Clear specific format flags ( <a href="#">public member function</a> )

Start Download

C++ Programming

Tutorial Download Free!



Home page | Privacy policy

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

Spotted an error? contact us

<http://www.cplusplus.com/reference/ios/nunitbuf/>

1/1