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Reference

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protected member function

std::ios::init <ios> <iostream>

```
protected:
void init (streambuf* sb);
```

**Initialize object**  
Initializes the values of the stream's internal flags and member variables.

Derived classes are expected to call this protected member function at some point before its first use or before its destruction (generally, during construction).

The internal state is initialized in such a way that each of these members return the following values:

member function	return value
rdbuf	sb
tie	0
rdstate	goodbit if sb is not a null pointer, badbit otherwise
exceptions	goodbit
flags	skipws   dec
width	0
precision	6
fill	' ' (whitespace)
getloc	a copy of locale()

On initialization, the *internal extensible array* (iword, pword) is empty.

**Parameters**  
sb  
Pointer to a [streambuf](#) object.

**Return Value**  
none

**Data races**  
Modifies the stream object. The object pointed by sb may be accessed and/or modified. Concurrent access to the same stream object or stream buffer may cause data races.

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

**See also**  
[ios::ios](#) Construct object (public member function )

ios::operator bool

ios::operator!

ios::rdbuf

ios::rdstate

ios::setstate

ios::tie

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protected members:

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