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protected virtual member function

std::stringbuf::seekpos

<sstream>

```
streampos seekpos (streampos sp, ios_base::openmode which = ios_base::in | ios_base::out);
```

**Set position pointer to absolute position**  
Sets the absolute new position *pos* for the position pointers specified by parameter *which*.

If *which* includes `ios_base::in`, the *get pointer* (*gptr*) is affected, and if *which* includes `ios_base::out`, the *put pointer* (*pptr*). Both position pointers can be affected by a single call.

This virtual function is called by the public member `streambuf::pubseekpos`.

Parameters

pos

New absolute position for the position pointer.  
`streampos` is a positioning type that can be converted to/from integral types (an `fpos` type).

which

Determines which of the *position pointers* is affected: the *get pointer*, the *put pointer*, or both. It is an object of type `ios_base::openmode` that, for this function, may take any combination of the following significant constant values:

value	position pointer affected
<code>ios_base::in</code>	Modifies the <i>get pointer</i> ( <i>gptr</i> )
<code>ios_base::out</code>	Modifies the <i>put pointer</i> ( <i>pptr</i> )

Both pointers may be selected simultaneously.

Return Value

On success, it returns *pos*.  
On failure, the function returns `streampos(streamoff(-1))`.  
`streampos` is a positioning type that can be converted to/from integral types (an `fpos` type).

Data races

Modifies the `stringbuf` object.  
Concurrent access to the same object may cause data races.

Exception safety

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

See also

stringbuf::seekoff

Set position pointer to relative position (protected virtual member function )

streambuf::pubseekpos

Set internal position pointer to absolute position (public member function )

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