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protected virtual member function

std::filebuf::seekpos <fstream>

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

Set position pointer to absolute position

Sets the absolute new position *pos* for the internal position pointers specified by parameter *which*.

If *which* includes out, the function also writes any unwritten characters in the *intermediate output buffer* to the file (also calling *unshift* using the proper facet, when needed).

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

Parameters

pos

New absolute position for the position pointer.
`streamoff` is a signed integral type.

which

Determines which of the *internal position pointers* is affected: the *input position*, the *output position*, 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>input position</i> , and its corresponding <i>get pointer</i> (<i>gptr</i>)
<code>ios_base::out</code>	Modifies the <i>output position</i> and its corresponding <i>put pointer</i> (<i>pptr</i>)

Both positions 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 `filebuf` object.
Concurrent access to the same *file stream buffer* object may introduce data races.

Exception safety

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

See also

filebuf::seekoff	Set internal position to relative position (<i>protected virtual member function</i>)
streambuf::pubseekpos	Set internal position pointer to absolute position (<i>public member function</i>)

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