NAME

ost::Counter –

The counter template is used for generic objects which act as automatic counters.

SYNOPSIS

`#include <counter.h>`

Public Member Functions

Counter ()
Construct and initialize a counter to zero.

Counter (const **Counter** &counter)
Construct a counter with an initial value set for another counter.

Counter (T initial)
Construct a counter with an initial value of the specified data type.

T & **operator=** (T c)

operator T ()

Protected Attributes

T **count**

Detailed Description

template<typename T> class ost::Counter< T >

The counter template is used for generic objects which act as automatic counters.

Each time the object is accessed, the underlying counted data type is incremented.

Author:

David Sugar <dyfet AT gnutelephony DOT org> Automatic counter template class.

Constructor & Destructor Documentation

template<typename T > ost::Counter< T >::Counter () `[inline]`
Construct and initialize a counter to zero.

References ost::Counter< T >::count.

template<typename T > ost::Counter< T >::Counter (const Counter< T > & counter) `[inline]`
Construct a counter with an initial value set for another counter. **Parameters:**
counter to copy from.

References ost::Counter< T >::count.

template<typename T > ost::Counter< T >::Counter (T initial) `[inline]`
Construct a counter with an initial value of the specified data type. **Parameters:**
initial value to set.

References ost::Counter< T >::count.

Member Function Documentation

template<typename T > ost::Counter< T >::operator T () `[inline]`
References ost::Counter< T >::count.

template<typename T > T& ost::Counter< T >::operator= (T c) `[inline]`

Member Data Documentation

template<typename T > T ost::Counter< T >::count `[protected]`
Referenced by ost::Counter< T >::Counter(), and ost::Counter< T >::operator T().

Author

Generated automatically by Doxygen for GNU CommonC++ from the source code.