## NAME

_TIFFmalloc, _TIFFrealloc, _TIFFfree, _TIFFmemset, _TIFFmemcpy, _TIFFmemcmp, − memory management-related functions for use with TIFF files

## SYNOPSIS

**#include <tiffio.h>**

**tdata_t _TIFFmalloc(tsize_t** *size***);**
**tdata_t _TIFFrealloc(tdata_t** *buffer***, tsize_t** *size***);**
**void _TIFFfree(tdata_t** *buffer***);**
**void _TIFFmemset(tdata_t** *s***, int** *c***, tsize_t** *n***);**
**void _TIFFmemcpy(tdata_t** *dest***, const tdata_t** *src***, tsize_t** *n***);**
**int _TIFFmemcmp(const tdata_t** *s1***, const tdata_t** *s2***, tsize_t** *n***);**

## DESCRIPTION

These routines are provided for writing portable software that uses *libtiff*; they hide any memory-management related issues, such as dealing with segmented architectures found on 16-bit machines.

*_TIFFmalloc* and *_TIFFrealloc* are used to dynamically allocate and reallocate memory used by *libtiff*; such as memory passed into the I/O routines. Memory allocated through these interfaces is released back to the system using the *_TIFFfree* routine.

Memory allocated through one of the above interfaces can be set to a known value using *_TIFFmemset*, copied to another memory location using *_TIFFmemcpy*, or compared for equality using *_TIFFmemcmp*. These routines conform to the equivalent ANSI C routines: *memset*, *memcpy*, and *memcmp*, respectively.

## DIAGNOSTICS

None.

## SEE ALSO

**malloc**(3), **memory**(3), **libtiff**(3TIFF)

Libtiff library home page: **http://www.simplesystems.org/libtiff/**