

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/>