# MEMORY

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## NAME

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

## SYNOPSIS

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|  | **#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

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|  | 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*, repsectively. |

## DIAGNOSTICS

|  |  |
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|  | None. |

## SEE ALSO

|  |  |
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|  | **malloc**(3), **memory**(3), **libtiff**(3TIFF)  Libtiff library home page: **http://www.simplesystems.org/libtiff/** |