



Linux Ubuntu 26.04 Manual Pages on command 'malloc usable size.3'

\$ man malloc usable size.3

malloc_usable_size(3) Library Functions Manual malloc_usable_size(3)

NAME _____

malloc usable size - obtain size of block of memory allocated from heap

LIBRARY

Standard C library (libc, -lc)

SYNOPSIS

```
#include <malloc.h>
```

```
size_t malloc_usable_size(void * _Nullable ptr);
```

DESCRIPTION

This function can be used for diagnostics or statistics about allocations from `malloc(3)` or a related function.

RETURN VALUE

`malloc_usable_size()` returns a value no less than the size of the block of allocated memory pointed to by `ptr`. If `ptr` is `NULL`, 0 is returned.

ATTRIBUTES

For an explanation of the terms used in this section, see `attributes(7)`.

[illegible]

?	Interface	?	Attribute	?	Value	?
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[illegible]

? malloc usable_size() ? Thread safety ? MT-Safe ?

[illegible]

STANDARDS

GNU.

CAVEATS

The value returned by `malloc_usable_size()` may be greater than the requested size of the allocation because of various internal implementation details, none of which the programmer should rely on. This function is intended to only be used for diagnostics and statistics; writing to the excess memory without first calling `realloc(3)` to resize the allocation is not supported. The returned value is only valid at the time of the call.

SEE ALSO

`malloc(3)`

Linux man-pages 6.17

2026-02-08

`malloc_usable_size(3)`