



Linux Ubuntu 26.04 Manual Pages on command 'malloc_set_state.3'

\$ man malloc_set_state.3

malloc_get_state(3) Library Functions Manual malloc_get_state(3)

NAME

malloc_get_state, malloc_set_state - record and restore state of malloc implementation

LIBRARY

Standard C library (libc, -lc)

SYNOPSIS

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

```
void *malloc_get_state(void);
```

```
int malloc_set_state(void *state);
```

DESCRIPTION

Note: these functions are removed in glibc 2.25.

The `malloc_get_state()` function records the current state of all `malloc(3)` internal bookkeeping variables (but not the actual contents of the heap or the state of `malloc_hook(3)` functions pointers). The state is recorded in a system-dependent opaque data structure dynamically allocated via `malloc(3)`, and a pointer to that data structure is returned as the function result. (It is the caller's responsibility to `free(3)` this memory.)

The `malloc_set_state()` function restores the state of all `malloc(3)` internal bookkeeping variables to the values recorded in the opaque data structure pointed to by `state`.

RETURN VALUE

On success, `malloc_get_state()` returns a pointer to a newly allocated opaque data structure.

On error (for example, memory could not be allocated for the data structure), `malloc_get_state()` returns NULL.

On success, `malloc_set_state()` returns 0. If the implementation detects that state does not

ATTRIBUTES

[illegible][illegible][illegible]

STANDARDS

GNU.

NOTES

SEE ALSO

malloc(3), mallopt(3)