

NAME

rdma_dereg_mr - deregisters a registered memory region.

SYNOPSIS

```
#include <rdma/rdma_verbs.h>
```

```
struct ibv_mr * rdma_dereg_mr (struct ibv_mr *mr);
```

ARGUMENTS

mr A reference to a registered memory buffer.

DESCRIPTION

Deregisters a memory buffer that had been registered for RDMA or message operations. A user should call rdma_dereg_mr for all registered memory associated with an rdma_cm_id before destroying the rdma_cm_id.

RETURN VALUE

Returns 0 on success, or -1 on error. If an error occurs, errno will be set to indicate the failure reason.

NOTES

All memory registered with an rdma_cm_id is associated with the protection domain associated with the id. Users must deregister all registered memory before the protection domain can be destroyed.

SEE ALSO

rdma_cm(7), rdma_create_id(3), rdma_create_ep(3), rdma_destroy_id(3), rdma_destroy_ep(3), rdma_reg_msgs(3), rdma_reg_read(3), rdma_reg_write(3), ibv_reg_mr(3), ibv_dereg_mr(3)