

NAME

`rdma_get_recv_comp` - retrieves a completed receive request.

SYNOPSIS

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

```
int rdma_get_recv_comp (struct rdma_cm_id *id, struct ibv_wc *wc);
```

ARGUMENTS

`id` A reference to a communication identifier to check for completions.

`wc` A reference to a work completion structure to fill in.

DESCRIPTION

Retrieves a completed work request for a receive operation. Information about the completed request is returned through the `wc` parameter, with the `wr_id` set to the context of the request. For details on the work completion structure, see `ibv_poll_cq`.

RETURN VALUE

Returns the number of returned completions (0 or 1) on success, or -1 on error. If an error occurs, `errno` will be set to indicate the failure reason.

NOTES

This call polls the receive completion queue associated with an `rdma_cm_id`. If a completion is not found, the call blocks until a request completes. This call should only be used on `rdma_cm_id`'s that do not share CQs with other `rdma_cm_id`'s, and maintain separate CQs for sends and receive completions.

SEE ALSO

`rdma_cm(7)`, `ibv_poll_cq(3)`, `rdma_get_send_comp(3)`, `rdma_post_send(3)`, `rdma_post_read(3)`, `rdma_post_write(3)`