NAME

rdma_post_ud_send - post a work request to send a datagram.

SYNOPSIS

#include <rdma/rdma_verbs.h>

int rdma_post_ud_send (struct rdma_cm_id ****id*, void ****context***, void ****addr***, size_t** *length***, struct ibv_mr ****mr***, int** *flags***, struct ibv_ah ****ah***, uint32_t** *remote_qpn***);**

ARGUMENTS

id	A reference to a communication identifier where the message buffer will be posted.
context	User-defined context associated with the request.
addr	The address of the memory buffer to post.
length	The length of the memory buffer.
mr	Optional registered memory region associated with the posted buffer.
flags	Optional flags used to control the send operation.
ah	An address handle describing the address of the remote node.
remote_qpn	The number of the destination queue pair.

DESCRIPTION

Posts a work request to the send queue of the queue pair associated with the rdma_cm_id. The contents of the posted buffer will be sent to the specified destination queue pair.

RETURN VALUE

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

NOTES

The user is responsible for ensuring that the destination queue pair has queued a receive request before issuing the send operations. For a list of supported flags, see ibv_post_send. Unless the send request is using inline data, the message buffer must have been registered before being posted, with the mr parameter referencing the registration. The buffer must remain registered until the send completes.

The user-defined context associated with the send request will be returned to the user through the work

completion wr_id, work request identifier, field.

SEE ALSO

rdma_cm(7), rdma_connect(3), rdma_accept(3), rdma_reg_msgs(3) ibv_post_send(3), rdma_post_recv(3)