NAME

ibv_init_ah_from_wc, ibv_create_ah_from_wc − initialize or create an address handle (AH) from a work completion

SYNOPSIS

#include <infiniband/verbs.h>

int ibv_init_ah_from_wc(struct ibv_context **context*, **uint8_t** *port_num*,
struct ibv_wc **wc*, **struct ibv_grh** **grh*,
struct ibv_ah_attr **ah_attr*);

struct ibv_ah *ibv_create_ah_from_wc(struct ibv_pd **pd*,
struct ibv_wc **wc*,
struct ibv_grh **grh*,
uint8_t *port_num*);

DESCRIPTION

ibv_init_ah_from_wc() initializes the address handle (AH) attribute structure *ah_attr* for the RDMA device context *context* using the port number *port_num*, using attributes from the work completion *wc* and the Global Routing Header (GRH) structure *grh*.

ibv_create_ah_from_wc() creates an AH associated with the protection domain *pd* using the port number *port_num*, using attributes from the work completion *wc* and the Global Routing Header (GRH) structure *grh*.

RETURN VALUE

ibv_init_ah_from_wc() returns 0 on success, and −1 on error.

ibv_create_ah_from_wc() returns a pointer to the created AH, or NULL if the request fails.

NOTES

The filled structure *ah_attr* returned from **ibv_init_ah_from_wc()** can be used to create a new AH using **ibv_create_ah()**.

SEE ALSO

ibv_open_device(3), **ibv_alloc_pd**(3), **ibv_create_ah**(3), **ibv_destroy_ah**(3), **ibv_poll_cq**(3)

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