

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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