NAME

ibv_create_rwq_ind_table, ibv_destroy_rwq_ind_table − create or destroy a Receive Work Queue Indirection Table (RWQ IND TBL).

SYNOPSIS

#include <infiniband/verbs.h>

struct ibv_rwq_ind_table *ibv_create_rwq_ind_table(struct ibv_context *context,*
                              struct ibv_rwq_ind_table_init_attr *init_attr***);**

int ibv_destroy_rwq_ind_table(struct ibv_rwq_ind_table *rwq_ind_table***);**

DESCRIPTION

ibv_create_rwq_ind_table() creates a RWQ IND TBL associated with the ibv_context *context*. The argument *init_attr* is an ibv_rwq_ind_table_init_attr struct, as defined in <infiniband/verbs.h>.

```
struct ibv_rwq_ind_table_init_attr {
            uint32_t      log_ind_tbl_size;   /* Log, base 2, of Indirection table size */
            struct        ibv_wq **ind_tbl;    /* Each entry is a pointer to Receive Work Queue */
            uint32_t      comp_mask;          /* Identifies valid fields. Use ibv_ind_table_init_attr_mask */
};
```

The function **ibv_create_rwq_ind_table**() will create a RWQ IND TBL that holds a table of Receive Work Queue. For further usage of the created object see below *NOTES*.

ibv_destroy_rwq_ind_table() destroys the RWQ IND TBL *rwq_ind_table*.

RETURN VALUE

ibv_create_rwq_ind_table() returns a pointer to the created RWQ IND TBL, or NULL if the request fails.

ibv_destroy_rwq_ind_table() returns 0 on success, or the value of errno on failure (which indicates the failure reason).

NOTES

The created object should be used as part of *ibv_create_qp_ex()* to enable dispatching of incoming packets based on some RX hash configuration.

SEE ALSO

ibv_create_wq(3), **ibv_modify_wq**(3), **ibv_create_qp_ex**(3),

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