

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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