

NAME

`ibv_req_notify_cq` - request completion notification on a completion queue (CQ)

SYNOPSIS

```
#include <infiniband/verbs.h>
```

```
int ibv_req_notify_cq(struct ibv_cq *cq, int solicited_only);
```

DESCRIPTION

`ibv_req_notify_cq()` requests a completion notification on the completion queue (CQ) *cq*.

Upon the addition of a new CQ entry (CQE) to *cq*, a completion event will be added to the completion channel associated with the CQ. If the argument *solicited_only* is zero, a completion event is generated for any new CQE. If *solicited_only* is non-zero, an event is only generated for a new CQE with that is considered "solicited." A CQE is solicited if it is a receive completion for a message with the Solicited Event header bit set, or if the status is not successful. All other successful receive completions, or any successful send completion is unsolicited.

RETURN VALUE

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

NOTES

The request for notification is "one shot." Only one completion event will be generated for each call to `ibv_req_notify_cq()`.

SEE ALSO

`ibv_create_comp_channel(3)`, `ibv_create_cq(3)`, `ibv_get_cq_event(3)`

AUTHORS

Dotan Barak <dotanba@gmail.com>