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)

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