### **NAME**

ibv\_attach\_mcast, ibv\_detach\_mcast - attach and detach a queue pair (QPs) to/from a multicast group

### **SYNOPSIS**

#include <infiniband/verbs.h>

```
int ibv_attach_mcast(struct ibv_qp *qp, const union ibv_gid *gid, uint16_t lid);
```

## **DESCRIPTION**

**ibv\_attach\_mcast()** attaches the QP qp to the multicast group having MGID gid and MLID lid.

**ibv\_detach\_mcast()** detaches the QP qp to the multicast group having MGID gid and MLID lid.

#### **RETURN VALUE**

**ibv\_attach\_mcast()** and **ibv\_detach\_mcast()** returns 0 on success, or the value of errno on failure (which indicates the failure reason).

# **NOTES**

Only QPs of Transport Service Type **IBV\_QPT\_UD** may be attached to multicast groups.

If a QP is attached to the same multicast group multiple times, the QP will still receive a single copy of a multicast message.

In order to receive multicast messages, a join request for the multicast group must be sent to the subnet administrator (SA), so that the fabric's multicast routing is configured to deliver messages to the local port.

## **SEE ALSO**

ibv\_create\_qp(3)

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