NAME
       ibv_open_qp − open a shareable queue pair (QP)

SYNOPSIS
       #include <infiniband/verbs.h>

       struct ibv_qp *ibv_open_qp(struct ibv_context *context***,**
                     struct ibv_qp_open_attr *qp_open_attr***);**

DESCRIPTION
       ibv_open_qp() opens an existing queue pair (QP) associated with the extended protection domain *xrcd*.
       The argument *qp_open_attr* is an ibv_qp_open_attr struct, as defined in <infiniband/verbs.h>.

       struct ibv_qp_open_attr {
                     uint32_t   comp_mask; /* Identifies valid fields */
                     uint32_t   qp_num;   /* QP number */
                     struct   *ibv_xrcd; /* XRC domain */
                     void   *qp_context; /* User defined opaque value */
                     enum ibv_qp_type qp_type;   /* QP transport service type */

       ibv_destroy_qp() closes the opened QP and destroys the underlying QP if it has no other references. *qp*.

RETURN VALUE
       ibv_open_qp() returns a pointer to the opened QP, or NULL if the request fails. Check the QP number
       (**qp_num**) in the returned QP.

NOTES
       ibv_open_qp() will fail if a it is asked to open a QP that does not exist within the xrcd with the specified
       qp_num and qp_type.

SEE ALSO
       ibv_alloc_pd(3), **ibv_create_qp**(3), **ibv_create_qp_ex**(3), **ibv_modify_qp**(3), **ibv_query_qp**(3)

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