

NAME

`ibv_query_rt_values_ex` - query an RDMA device for some real time values

SYNOPSIS

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

```
int ibv_query_rt_values_ex(struct ibv_context *context,  
                          struct ibv_values_ex *values);
```

DESCRIPTION

`ibv_query_rt_values_ex()` returns certain real time values of a device *context*. The argument *attr* is a pointer to an `ibv_device_attr_ex` struct, as defined in `<infiniband/verbs.h>`.

```
struct ibv_values_ex {  
    uint32_t      comp_mask; /* Compatibility mask that defines the query/queried fields [in/out] */  
    struct timespec raw_clock; /* HW raw clock */  
};
```

```
enum ibv_values_mask {  
    IBV_VALUES_MASK_RAW_CLOCK = 1 << 0, /* HW raw clock */  
};
```

RETURN VALUE

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

NOTES

This extension verb only calls the provider, the provider has to query this value somehow and mark the queried values in the `comp_mask` field.

SEE ALSO

`ibv_query_device(3)`, `ibv_open_device(3)`, `ibv_query_port(3)`, `ibv_query_pkey(3)`, `ibv_query_gid(3)`

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