

NAME

`mlx5dv_ts_to_ns` – Convert device timestamp from HCA core clock units to the corresponding nanosecond counts

SYNOPSIS

```
#include <infiniband/mlx5dv.h>
```

```
uint64_t mlx5dv_ts_to_ns(struct mlx5dv_clock_info *clock_info,  
                        uint64_t device_timestamp);
```

DESCRIPTION

mlx5dv_ts_to_ns(3) Converts a host byte order *device_timestamp* from HCA core clock units into the corresponding nanosecond wallclock time.

struct mlx5dv_clock_info can be retrieved using **mlx5dv_get_clock_info(3)**.

The greater the difference between the device reporting a timestamp and the last `mlx5dv_clock_info` update, the greater the inaccuracy of the clock time conversion.

RETURN VALUE

Timestamp in nanoseconds

SEE ALSO

mlx5dv(7), **mlx5dv_get_clock_info(3)**, **mlx5dv_query_device(3)**

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