

NAME

mlx4dv_set_context_attr – Set context attributes

SYNOPSIS

```
#include <infiniband/mlx4dv.h>

int mlx4dv_set_context_attr(struct ibv_context *context,
                           enum mlx4dv_set_ctx_attr_type attr_type,
                           void *attr);
```

DESCRIPTION

mlx4dv_set_context_attr gives the ability to set vendor specific attributes on the RDMA context.

ARGUMENTS

context RDMA device context to work on.

attr_type

The type of the provided attribute.

attr Pointer to the attribute to be set. ## attr_type

```
enum mlx4dv_set_ctx_attr_type {
    /* Attribute type uint8_t */
    MLX4DV_SET_CTX_ATTR_LOG_WQS_RANGE_SZ = 0,
    MLX4DV_SET_CTX_ATTR_BUF_ALLOCATORS = 1,
};
```

MLX4DV_SET_CTX_ATTR_LOG_WQS_RANGE_SZ

Change the LOG WQs Range size for RSS

MLX4DV_SET_CTX_ATTR_BUF_ALLOCATORS

Provide an external buffer allocator

```
struct mlx4dv_ctx_allocators {
    void *(*alloc)(size_t size, void *priv_data);
    void (*free)(void *ptr, void *priv_data);
    void *data;
};
```

alloc Function used for buffer allocation instead of libmlx4 internal method

free Function used to free buffers allocated by alloc function

data Metadata that can be used by alloc and free functions

RETURN VALUE

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

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