

**NAME**

mlx5dv\_open\_device – Open an RDMA device context for the mlx5 provider

**SYNOPSIS**

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

struct ibv_context *
mlx5dv_open_device(struct ibv_device *device, struct mlx5dv_context_attr *a
```

**DESCRIPTION**

Open an RDMA device context with specific mlx5 provider attributes.

**ARGUMENTS**

*device* RDMA device to open.

***attr* argument**

```
struct mlx5dv_context_attr {
    uint32_t flags;
    uint64_t comp_mask;
};
```

***flags***

A bitwise OR of the various values described below.

\*MLX5DV\_CONTEXT\_FLAGS\_DEVX\*:  
Allocate a DEVX context

***comp\_mask***

Bitmask specifying what fields in the structure are valid

**RETURN VALUE**

Returns a pointer to the allocated device context, or NULL if the request fails.

**SEE ALSO**

*ibv\_open\_device(3)*

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