NAME

mlx5dv_create_mkey – Creates an indirect mkey

mlx5dv_create_mkey – Destroys an indirect mkey

SYNOPSIS

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

struct mlx5dv_mkey_init_attr {
    struct ibv_pd   *pd;
    uint32_t    create_flags;
    uint16_t    max_entries;
};

struct mlx5dv_mkey {
    uint32_t    lkey;
    uint32_t    rkey;
};

struct mlx5dv_mkey *
mlx5dv_create_mkey(struct mlx5dv_mkey_init_attr *mkey_init_attr);

int mlx5dv_destroy_mkey(struct mlx5dv_mkey *mkey);
```

DESCRIPTION

Create / destroy an indirect mkey.

Create an indirect mkey to enable application uses its specific device functionality.

ARGUMENTS

##mkey_init_attr##

pd ibv protection domain.

create_flags
MLX5DV_MKEY_INIT_ATTR_FLAGS_INDIRECT: Indirect mkey is being created.

max_entries
Requested max number of pointed entries by this indirect mkey. The function will update the *mkey_init_attr->max_entries* with the actual mkey value that was created; it will be greater than or equal to the value requested.

RETURN VALUE

Upon success *mlx5dv_create_mkey* will return a new *struct mlx5dv_mkey* on error NULL will be returned and errno will be set.

Upon success destroy 0 is returned or the value of errno on a failure.

Notes

To let this functionality works a DEVX context should be opened by using *mlx5dv_open_device*.

SEE ALSO

mlx5dv_open_device

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