

**NAME**

`ibv_alloc_pd`, `ibv_dealloc_pd` - allocate or deallocate a protection domain (PDs)

**SYNOPSIS**

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

```
struct ibv_pd *ibv_alloc_pd(struct ibv_context *context);
```

```
int ibv_dealloc_pd(struct ibv_pd *pd);
```

**DESCRIPTION**

`ibv_alloc_pd()` allocates a PD for the RDMA device context *context*.

`ibv_dealloc_pd()` deallocates the PD *pd*.

**RETURN VALUE**

`ibv_alloc_pd()` returns a pointer to the allocated PD, or NULL if the request fails.

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

**NOTES**

`ibv_dealloc_pd()` may fail if any other resource is still associated with the PD being freed.

**SEE ALSO**

`ibv_reg_mr(3)`, `ibv_create_srq(3)`, `ibv_create_qp(3)`, `ibv_create_ah(3)`, `ibv_create_ah_from_wc(3)`

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