

NAME

`mpath_persistent_reserve_out` – send PROUT command to DM device

SYNOPSIS

```
#include <mpath_persist.h>
```

```
int mpath_persistent_reserve_out(int fd, int rq_servact, struct prin_resp *resp, int noisy, int verbose)
```

DESCRIPTION

The function in the `mpath_persistent_reserve_out ()` sends PROUT command to the DM device and gets the response.

Parameters:

<i>fd</i>	The file descriptor of a multipath device. Input argument.
<i>rq_servact</i>	PROUT command service action. Input argument.
<i>rq_scope</i>	Persistent reservation scope. The value should be always LU_SCOPE (0h).
<i>rq_type</i>	Persistent reservation type. The valid values of persistent reservation types are: 5h (Write exclusive - registrants only). 6h (Exclusive access - registrants only). 7h (Write exclusive - All registrants). 8h (Exclusive access - All registrants).
<i>paramp</i>	PROUT command parameter data. The paramp is a struct which describes PROUT parameter list. Caller should manage the memory allocation of this structure.
<i>noisy</i>	Turn on debugging trace: Input argument. 0->Disable, 1->Enable.
<i>verbose</i>	Set verbosity level. Input argument. value: 0 to 3. 0->Crits and Errors, 1->Warnings, 2->Info, 3->Debug.

RETURNS**MPATH_PR_SUCCESS**

If PR command successful else returns any one of the status mentioned below.

MPATH_PR_SYNTAX_ERROR

If syntax error or invalid parameter.

MPATH_PR_SENSE_NOT_READY

If command fails with [sk,asc,ascq: 0x2,*,*].

MPATH_PR_SENSE_MEDIUM_ERROR

If command fails with [sk,asc,ascq: 0x3,*,*].

MPATH_PR_SENSE_HARDWARE_ERROR

If command fails with [sk,asc,ascq: 0x4,*,*].

MPATH_PR_SENSE_INVALID_OP

If command fails with [sk,asc,ascq: 0x5,0x20,0x0].

MPATH_PR_ILLEGAL_REQ

If command fails with [sk,asc,ascq: 0x5,*,*].

MPATH_PR_SENSE_UNIT_ATTENTION

If command fails with [sk,asc,ascq: 0x6,*,*].

MPATH_PR_SENSE_ABORTED_COMMAND

If command fails with [sk,asc,ascq: 0xb,*,*].

MPATH_PR_NO_SENSE

If command fails with [sk,asc,ascq: 0x0,*,*].

MPATH_PR_SENSE_MALFORMED

If command fails with SCSI command malformed.

MPATH_PR_FILE_ERROR

If command fails while accessing file (device node) problems(e.g. not found).

MPATH_PR_DMMP_ERROR

If Device Mapper related error.(e.g Error in getting dm info).

MPATH_PR_OTHER

If other error/warning has occurred(e.g transport or driver error).

MPATH_PR_RESERV_CONFLICT

If command fails with reservation conflict.

SEE ALSO

mpathpersist(8).

AUTHORS

multipath-tools was developed by Christophe Varoqui <christophe.varoqui@opensvc.com> and others.