



## ***Rocky Enterprise Linux 9.2 Manual Pages on command 'mpath\_persistent\_reserve\_out.3'***

**C:\>man mpath\_persistent\_reserve\_out.3**

MPATH\_PERSISTENT\_RESERVE\_OUT(3) Library Functions Manual MPATH\_PERSISTENT\_RESERVE\_OUT(3)

### 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:

`fd` The file descriptor of a multipath device. Input argument.

`rq_servact` PROUT command service action. Input argument.

`rq_scope` Persistent reservation scope. The value should be always `LU_SCOPE (0h)`.

`rq_type` 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).

`paramp` PROUT command parameter data. The `paramp` is a struct which de?

scribes PROUT parameter list. Caller should manage the memory allocation of this structure.

noisy Turn on debugging trace: Input argument. 0->Disable, 1->Enable.

verbose 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.varo?

qui@opensvc.com> and others.

Linux 2016-11-01 MPATH\_PERSISTENT\_RESERVE\_OUT(3)