



Linux Ubuntu 26.04 Manual Pages on command 'getrpcent.3'

\$ man getrpcent.3

getrpcent(3) Library Functions Manual getrpcent(3)

NAME

getrpcent, getrpcbyname, getrpcbynumber, setrpcent, endrpcent - get RPC entry

LIBRARY

Standard C library (libc, -lc)

SYNOPSIS

```
#include <netdb.h>

struct rpcent *getrpcent(void);

struct rpcent *getrpcbyname(const char *name);

struct rpcent *getrpcbynumber(int number);

void setrpcent(int stayopen);

void endrpcent(void);
```

DESCRIPTION

The `getrpcent()`, `getrpcbyname()`, and `getrpcbynumber()` functions each return a pointer to an object with the following structure containing the broken-out fields of an entry in the RPC program number data base.

```
struct rpcent {
    char *r_name; /* name of server for this RPC program */
    char **r_aliases; /* alias list */
    long r_number; /* RPC program number */
};
```

The members of this structure are:

`r_name` The name of the server for this RPC program.

r_aliases

A NULL-terminated list of alternate names for the RPC program.

r_number

The RPC program number for this service.

The `getrpcnt()` function reads the next entry from the database. A connection is opened to the database if necessary.

The `setrpcnt()` function opens a connection to the database, and sets the next entry to the first entry. If `stayopen` is nonzero, then the connection to the database will not be closed between calls to one of the `getrpc*()` functions.

The `endrpcnt()` function closes the connection to the database.

The `getrpcbyname()` and `getrpcbynumber()` functions sequentially search from the beginning of the file until a matching RPC program name or program number is found, or until end-of-file is encountered.

RETURN VALUE

On success, `getrpcent()`, `getrpcbyname()`, and `getrpcbynumber()` return a pointer to a statically allocated `rpcent` structure. `NULL` is returned on EOF or error.

FILES

```
/etc/rpc
```

RPC program number database.

ATTRIBUTES

For an explanation of the terms used in this section, see `attributes(7)`.

[illegible]

?	Interface	?	Attribute	?	Value	?
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[illegible]

? getrpcnt(), getrpcbyname(), getrpcbynumber()	? Thread safety ? MT-Unsafe	?
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[illegible]

? setrpcent(), endrpcent() ? Thread safety ? MT-Safe locale ?

[illegible]

STANDARDS

BSD.

HISTORY

BSD, Solaris.

BUGS

All information is contained in a static area so it must be copied if it is to be saved.

SEE ALSO

getrpcnt_r(3), rpc(5), rpcinfo(8), ypserv(8)

Linux man-pages 6.17

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