



## **Red Hat Enterprise Linux Release 9.2 Manual Pages on 'getrpcbynumber.3' command**

### **\$ man getrpcbynumber.3**

GETRPCENT(3)      Linux Programmer's Manual      GETRPCENT(3)

#### NAME

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

#### 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, getrpcnt(), getrpcbyname(), and getrpcbynumber() return a pointer to a statically allocated rpercent 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).

attributes(7).

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?Interface               ? Attribute   ? Value       ?

??

?getrpcnt(), getrpcbyname(), ? Thread safety ? MT-Unsafe   ?

?getrpcbynumber()       ?           ?           ?

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?setrpcnt(), endrpcnt()   ? Thread safety ? MT-Safe locale ?

??

#### CONFORMING TO

Not in POSIX.1. Present on the BSDs, Solaris, and many other systems.

## 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)

## COLOPHON

This page is part of release 5.10 of the Linux man-pages project. A description of the project, information about reporting bugs, and the latest version of this page, can be found at <https://www.kernel.org/doc/man-pages/>.

2020-04-11

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