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Rocky Enterprise Linux 9.2 Manual Pages on command 'setrpcent.3'

\$ man setrpcent.3

GETRPCENT(3)

Linux Programmer's Manual

GETRPCENT(3)

NAME

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

SYNOPSIS

```
#include <netdb.h>

struct rpcent *getrpcent(void);

struct rpcent *getrpcbyname(const char *name);

struct rpcent *getrpcbnumber(int number);

void setrpcent(int stayopen);

void endrpcent(void);
```

DESCRIPTION

The `getrpcent()`, `getrpcbyname()`, and `getrpcbnumber()` 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 `setrpcent()` 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).

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

?getrpcbbynumber() ? ? ?

?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

getrpcent(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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