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

\$ man getrpcbyname.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 `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)`.

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?Interface ? Attribute ? Value ?

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

?`getrpcbynumber()` ? ? ?

??

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

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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/>.

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