

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 **getrpcent()** 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 **endrpcent()** 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\(7\)](#).

Interface	Attribute	Value
getrpcent() , getrpcbyname() , getrpcbynumber()	Thread safety	MT-Unsafe
setrpcent() , endrpcent()	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_r\(3\)](#), [rpc\(5\)](#), [rpcinfo\(8\)](#), [ypserv\(8\)](#)

COLOPHON

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