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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