

NAME

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

SYNOPSIS

```
#include <rpc/rpc.h>

struct rpcent *
getrpcent(void);

struct rpcent *
getrpcbyname(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 a line in the rpc program number data base, */etc/rpc*:

```
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:

<i>r_name</i>	The name of the server for this rpc program.
<i>r_aliases</i>	A zero terminated list of alternate names for the rpc program.
<i>r_number</i>	The rpc program number for this service.

The **getrpcent()** function reads the next line of the file, opening the file if necessary.

The **setrpcent()** function opens and rewinds the file. If the *stayopen* flag is non-zero, the net data base will not be closed after each call to **getrpcent()** (either directly, or indirectly through one of the other “getrpc” calls).

The **endrpcent()** function closes the file.

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.

FILES

/etc/rpc

AVAILABILITY

These functions are part of libtirpc.

SEE ALSO

`rpc(5)`, `rpcinfo(8)`

DIAGNOSTICS

A NULL pointer is returned on EOF or error.

BUGS

All information is contained in a static area so it must be copied if it is to be saved.