

NAME

getrpcent, **getrpcbyname**, **getrpcbynumber**, **endrpcent**, **setrpcent** - get RPC entry

LIBRARY

Standard C Library (libc, -lc)

SYNOPSIS

```
#include <rpc/rpc.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 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:

r_name The name of the server for this rpc program.

r_aliases A zero terminated list of alternate names for the rpc program.

r_number

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

DIAGNOSTICS

A NULL pointer is returned on EOF or error.

SEE ALSO

rpc(5), rpcinfo(8), ypserv(8)

BUGS

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