

NAME

getrpcnt_r, getrpcbyname_r, getrpcbnumber_r – get RPC entry (reentrant)

LIBRARY

Standard C library (*libc*, *-lc*)

SYNOPSIS

```
#include <netdb.h>
```

```
int getrpcnt_r(struct rpcent *result_buf, char buf[.buflen],
               size_t buflen, struct rpcent **result);
```

```
int getrpcbyname_r(const char *name,
                  struct rpcent *result_buf, char buf[.buflen],
                  size_t buflen, struct rpcent **result);
```

```
int getrpcbnumber_r(int number,
                   struct rpcent *result_buf, char buf[.buflen],
                   size_t buflen, struct rpcent **result);
```

Feature Test Macro Requirements for glibc (see **feature_test_macros(7)**):

getrpcnt_r(), **getrpcbyname_r()**, **getrpcbnumber_r()**:

Since glibc 2.19:

 _DEFAULT_SOURCE

glibc 2.19 and earlier:

 _BSD_SOURCE || _SVID_SOURCE

DESCRIPTION

The **getrpcnt_r()**, **getrpcbyname_r()**, and **getrpcbnumber_r()** functions are the reentrant equivalents of, respectively, **getrpcnt(3)**, **getrpcbyname(3)**, and **getrpcbnumber(3)**. They differ in the way that the *rpcent* structure is returned, and in the function calling signature and return value. This manual page describes just the differences from the nonreentrant functions.

Instead of returning a pointer to a statically allocated *rpcent* structure as the function result, these functions copy the structure into the location pointed to by *result_buf*.

The *buf* array is used to store the string fields pointed to by the returned *rpcent* structure. (The nonreentrant functions allocate these strings in static storage.) The size of this array is specified in *buflen*. If *buf* is too small, the call fails with the error **ERANGE**, and the caller must try again with a larger buffer. (A buffer of length 1024 bytes should be sufficient for most applications.)

If the function call successfully obtains an RPC record, then **result* is set pointing to *result_buf*; otherwise, **result* is set to NULL.

RETURN VALUE

On success, these functions return 0. On error, they return one of the positive error numbers listed in **ERRORS**.

On error, record not found (**getrpcbyname_r()**, **getrpcbnumber_r()**), or end of input (**getrpcnt_r()**) *result* is set to NULL.

ERRORS**ENOENT**

(**getrpcnt_r()**) No more records in database.

ERANGE

buf is too small. Try again with a larger buffer (and increased *buflen*).

ATTRIBUTES

For an explanation of the terms used in this section, see **attributes(7)**.

Interface	Attribute	Value
getrpcnt_r() , getrpcbyname_r() , getrpcbnumber_r()	Thread safety	MT-Safe locale

STANDARDS

These functions are GNU extensions. Functions with similar names exist on some other systems, though typically with different calling signatures.

SEE ALSO

getrpcent(3), rpc(5)