



Red Hat Enterprise Linux Release 9.2 Manual Pages on 'getrpcbyname_r.3' command

\$ man getrpcbyname_r.3

GETRPCENT_R(3) Linux Programmer's Manual GETRPCENT_R(3)

NAME

getrpccent_r, getrpcbyname_r, getrpcbynumber_r - get RPC entry (reen?
trant)

SYNOPSIS

```
#include <netdb.h>

int getrpccent_r(struct rpcent *result_buf, char *buf,
                 size_t buflen, struct rpcent **result);

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

int getrpcbynumber_r(int number,
                    struct rpcent *result_buf, char *buf,
                    size_t buflen, struct rpcent **result);
```

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

getrpccent_r(), getrpcbyname_r(), getrpcbynumber_r():

Since glibc 2.19:

 _DEFAULT_SOURCE

Glibc 2.19 and earlier:

 _BSD_SOURCE || _SVID_SOURCE

DESCRIPTION

The getrpccent_r(), getrpcbyname_r(), and getrpcbynumber_r() functions are the reentrant equivalents of, respectively, getrpccent(3), getrpcby?

name(3), and getrpcbynumber(3). They differ in the way that the rpercent structure is returned, and in the function calling signature and return value. This manual page describes just the differences from the non-reentrant functions.

Instead of returning a pointer to a statically allocated rpercent 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 rpercent 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(), getrpcbynumber_r()), or end of input (getrpcent_r()) result is set to NULL.

ERRORS

ENOENT (getrpcent_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

getrpcent_r(), Thread safety MT-Safe locale

getrpcbyname_r(), Thread safety MT-Safe locale

getrpcbynumber_r(), Thread safety MT-Safe locale

getrpcbynumber_r(), Thread safety MT-Safe locale

getrpcbynumber_r(), Thread safety MT-Safe locale

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CONFORMING TO

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

SEE ALSO

getrpc(3), rpc(5)

COLOPHON

This page is part of release 5.10 of the Linux man-pages project. A description of the project, information about reporting bugs, and the latest version of this page, can be found at <https://www.kernel.org/doc/man-pages/>.

GNU 2017-09-15 GETRPCENT_R(3)