



Full credit is given to the above companies including the Operating System (OS) that this PDF file was generated!

Rocky Enterprise Linux 9.2 Manual Pages on command 'getrpcnt_r.3'

\$ man getrpcnt_r.3

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

NAME

getrpcnt_r, getrpcbyname_r, getrpcbynumber_r - get RPC entry (reentrant)

SYNOPSIS

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

```
int getrpcnt_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)):

getrpcnt_r(), getrpcbyname_r(), getrpcbynumber_r():

Since glibc 2.19:

```
_DEFAULT_SOURCE
```

Glibc 2.19 and earlier:

```
_BSD_SOURCE || _SVID_SOURCE
```

DESCRIPTION

The `getrpcnt_r()`, `getrpcbyname_r()`, and `getrpcbynumber_r()` functions are the reentrant equivalents of, respectively, `getrpcnt(3)`, `getrpcbyname(3)`, and `getrpcbynumber(3)`. They differ in the way that the `rpcent` structure is returned, and in the function calling sig?

nature and return value. This manual page describes just the differences from the non-reentrant 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()`, `getrpcbynumber_r()`), or end of input (`getrpccent_r()`) result is set to `NULL`.

ERRORS

`ENOENT` (`getrpccent_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	?
------------	-------------	---------	---

??

?`getrpccent_r()`, ? Thread safety ? MT-Safe locale ?

? <code>getrpcbyname_r()</code> ,	?	?	?
-----------------------------------	---	---	---

? <code>getrpcbynumber_r()</code>	?	?	?
-----------------------------------	---	---	---

??

CONFORMING TO

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

SEE ALSO

`getrpccent(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)