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### ***Rocky Enterprise Linux 9.2 Manual Pages on command 'setprotoent.3'***

***\$ man setprotoent.3***

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

#### NAME

getprotoent, getprotobyname, getprotobynumber, setprotoent, endprotoent  
- get protocol entry

#### SYNOPSIS

```
#include <netdb.h>

struct protoent *getprotoent(void);

struct protoent *getprotobyname(const char *name);

struct protoent *getprotobynumber(int proto);

void setprotoent(int stayopen);

void endprotoent(void);
```

#### DESCRIPTION

The `getprotoent()` function reads the next entry from the protocols database (see `protocols(5)`) and returns a `protoent` structure containing the broken-out fields from the entry. A connection is opened to the database if necessary.

The `getprotobyname()` function returns a `protoent` structure for the entry from the database that matches the protocol name `name`. A connection?



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?getprotoent() ? Thread safety ? MT-Unsafe race:protoent ?

? ? ? race:protoentbuf locale ?

??

?getprotobyname() ? Thread safety ? MT-Unsafe race:protobyname ?

? ? ? locale ?

??

?getprotobynumber() ? Thread safety ? MT-Unsafe race:protobynumber ?

? ? ? locale ?

??

?setprotoent(), ? Thread safety ? MT-Unsafe race:protoent ?

?endprotoent() ? ? locale ?

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In the above table, protoent in race:protoent signifies that if any of the functions setprotoent(), getprotoent(), or endprotoent() are used in parallel in different threads of a program, then data races could occur.

CONFORMING TO

POSIX.1-2001, POSIX.1-2008, 4.3BSD.

SEE ALSO

getnetent(3), getprotoent\_r(3), getservent(3), protocols(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/>.