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## **Red Hat Enterprise Linux Release 9.2 Manual Pages on 'errno.h.0p' command**

**\$ man errno.h.0p**

errno.h(0P) POSIX Programmer's Manual errno.h(0P)

### PROLOG

This manual page is part of the POSIX Programmer's Manual. The Linux implementation of this interface may differ (consult the corresponding Linux manual page for details of Linux behavior), or the interface may not be implemented on Linux.

### NAME

errno.h ? system error numbers

### SYNOPSIS

```
#include <errno.h>
```

### DESCRIPTION

Some of the functionality described on this reference page extends the ISO C standard. Any conflict between the requirements described here and the ISO C standard is unintentional. This volume of POSIX.1?2017 defers to the ISO C standard.

The ISO C standard only requires the symbols [EDOM], [EILSEQ], and [ERANGE] to be defined.

The <errno.h> header shall provide a declaration or definition for `errno`. The symbol `errno` shall expand to a modifiable lvalue of type `int`. It is unspecified whether `errno` is a macro or an identifier declared with external linkage. If a macro definition is suppressed in order to access an actual object, or a program defines an identifier with the name `errno`, the behavior is undefined.

The <errno.h> header shall define the following macros which shall expand to integer constant expressions with type int, distinct positive values (except as noted below), and which shall be suitable for use in #if preprocessing directives:

E2BIG Argument list too long.

EACCES Permission denied.

EADDRINUSE

Address in use.

EADDRNOTAVAIL

Address not available.

EAFNOSUPPORT

Address family not supported.

EAGAIN Resource unavailable, try again (may be the same value as [EWOULDBLOCK]).

EALREADY

Connection already in progress.

EBADF Bad file descriptor.

EBADMSG

Bad message.

EBUSY Device or resource busy.

ECANCELED

Operation canceled.

ECHILD No child processes.

ECONNABORTED

Connection aborted.

ECONNREFUSED

Connection refused.

ECONNRESET

Connection reset.

EDEADLK

Resource deadlock would occur.

EDESTADDRREQ

Destination address required.

EDOM Mathematics argument out of domain of function.

EDQUOT Reserved.

EEXIST File exists.

EFAULT Bad address.

EFBIG File too large.

EHOSTUNREACH

Host is unreachable.

EIDRM Identifier removed.

EILSEQ Illegal byte sequence.

EINPROGRESS

Operation in progress.

EINTR Interrupted function.

EINVAL Invalid argument.

EIO I/O error.

EISCONN

Socket is connected.

EISDIR Is a directory.

ELOOP Too many levels of symbolic links.

EMFILE File descriptor value too large.

EMLINK Too many links.

EMSGSIZE

Message too large.

EMULTIHOP

Reserved.

ENAMETOOLONG

Filename too long.

ENETDOWN

Network is down.

ENETRESET

Connection aborted by network.

ENETUNREACH

Network unreachable.

ENFILE Too many files open in system.

## ENOBUFS

No buffer space available.

## ENODATA

No message is available on the STREAM head read queue.

ENODEV No such device.

ENOENT No such file or directory.

## ENOEXEC

Executable file format error.

ENOLCK No locks available.

## ENOLINK

Reserved.

ENOMEM Not enough space.

ENOMSG No message of the desired type.

## ENOPROTOPT

Protocol not available.

ENOSPC No space left on device.

ENOSR No STREAM resources.

ENOSTR Not a STREAM.

ENOSYS Functionality not supported.

## ENOTCONN

The socket is not connected.

## ENOTDIR

Not a directory or a symbolic link to a directory.

## ENOTEMPTY

Directory not empty.

## ENOTRECOVERABLE

State not recoverable.

## ENOTSOCK

Not a socket.

## ENOTSUP

Not supported (may be the same value as [EOPNOTSUPP]).

ENOTTY Inappropriate I/O control operation.

ENXIO No such device or address.

## EOPNOTSUPP

Operation not supported on socket (may be the same value as [ENOTSUP]).

## EOVERFLOW

Value too large to be stored in data type.

## EOWNERDEAD

Previous owner died.

EPERM Operation not permitted.

EPIPE Broken pipe.

EPROTO Protocol error.

## EPROTONOSUPPORT

Protocol not supported.

## EPROTOTYPE

Protocol wrong type for socket.

ERANGE Result too large.

EROFS Read-only file system.

ESPIPE Invalid seek.

ESRCH No such process.

ESTALE Reserved.

ETIME Stream ioctl() timeout.

## ETIMEDOUT

Connection timed out.

## ETXTBSY

Text file busy.

## EWouldBlock

Operation would block (may be the same value as [EAGAIN]).

EXDEV Cross-device link.

The following sections are informative.

## APPLICATION USAGE

Additional error numbers may be defined on conforming systems; see the System Interfaces volume of POSIX.1?2017.

## RATIONALE

None.

## FUTURE DIRECTIONS

None.

## SEE ALSO

The System Interfaces volume of POSIX.1-2017, Section 2.3, Error Numbers

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