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Linux Error Number Table (errno)

These are the error numbers (errno) and their corresponding symbolic names.

While some architectures/ABIs have different number<->symbol mappings, they're equivalent on x86 (32-bit & 64-bit) and arm (32-bit & 64-bit).

For more details on errno's in general, see the errno(3) man page.

If you're writing some shell scripts, check out the `errno` utility.

Table

number	hex	symbol	description
1	0x01	EPERM	Operation not permitted
2	0x02	ENOENT	No such file or directory
3	0x03	ESRCH	No such process
4	0x04	EINTR	Interrupted system call
5	0x05	EIO	Input/output error
6	0x06	ENXIO	No such device or address
7	0x07	E2BIG	Argument list too long
8	0x08	ENOEXEC	Exec format error
9	0x09	EBADF	Bad file descriptor
10	0x0a	ECHILD	No child processes
11	0x0b	EAGAIN	Resource temporarily unavailable
11	0x0b	EWOULDBLOCK	*(Same value as EAGAIN)* Resource temporarily unavailable
12	0x0c	ENOMEM	Cannot allocate memory
13	0x0d	EACCES	Permission denied
14	0x0e	EFAULT	Bad address
15	0x0f	ENOTBLK	Block device required
16	0x10	EBUSY	Device or resource busy
17	0x11	EEXIST	File exists
18	0x12	EXDEV	Invalid cross-device link
19	0x13	ENODEV	No such device
20	0x14	ENOTDIR	Not a directory
21	0x15	EISDIR	Is a directory

number	hex	symbol	description
22	0x16	EINVAL	Invalid argument
23	0x17	ENFILE	Too many open files in system
24	0x18	EMFILE	Too many open files
25	0x19	ENOTTY	Inappropriate ioctl for device
26	0x1a	ETXTBSY	Text file busy
27	0x1b	EFBIG	File too large
28	0x1c	ENOSPC	No space left on device
29	0x1d	ESPIPE	Illegal seek
30	0x1e	EROFS	Read-only file system
31	0x1f	EMLINK	Too many links
32	0x20	EPIPE	Broken pipe
33	0x21	EDOM	Numerical argument out of domain
34	0x22	ERANGE	Numerical result out of range
35	0x23	EDEADLK	Resource deadlock avoided
35	0x23	EDEADLOCK	*(Same value as EDEADLK)* Resource deadlock avoided
36	0x24	ENAMETOOLONG	File name too long
37	0x25	ENOLCK	No locks available
38	0x26	ENOSYS	Function not implemented
39	0x27	ENOTEMPTY	Directory not empty
40	0x28	ELOOP	Too many levels of symbolic links
41	0x29		*not implemented*
42	0x2a	ENOMSG	No message of desired type
43	0x2b	EIDRM	Identifier removed
44	0x2c	ECHRNG	Channel number out of range
45	0x2d	EL2NSYNC	Level 2 not synchronized
46	0x2e	EL3HLT	Level 3 halted
47	0x2f	EL3RST	Level 3 reset
48	0x30	ELNRNG	Link number out of range
49	0x31	EUNATCH	Protocol driver not attached
50	0x32	ENOCSI	No CSI structure available
51	0x33	EL2HLT	Level 2 halted
52	0x34	EBADE	Invalid exchange
53	0x35	EBADR	Invalid request descriptor
54	0x36	EXFULL	Exchange full
55	0x37	ENOANO	No anode

number	hex	symbol	description
56	0x38	EBADRQC	Invalid request code
57	0x39	EBADSLT	Invalid slot
58	0x3a		*not implemented*
59	0x3b	EBFONT	Bad font file format
60	0x3c	ENOSTR	Device not a stream
61	0x3d	ENODATA	No data available
62	0x3e	ETIME	Timer expired
63	0x3f	ENOSR	Out of streams resources
64	0x40	ENONET	Machine is not on the network
65	0x41	ENOPKG	Package not installed
66	0x42	EREMOTE	Object is remote
67	0x43	ENOLINK	Link has been severed
68	0x44	EADV	Advertise error
69	0x45	ESRMNT	Srmount error
70	0x46	ECOMM	Communication error on send
71	0x47	EPROTO	Protocol error
72	0x48	EMULTIHOP	Multihop attempted
73	0x49	EDOTDOT	RFS specific error
74	0x4a	EBADMSG	Bad message
75	0x4b	EOVERFLOW	Value too large for defined data type
76	0x4c	ENOTUNIQ	Name not unique on network
77	0x4d	EBADFD	File descriptor in bad state
78	0x4e	EREMCHG	Remote address changed
79	0x4f	ELIBACC	Can not access a needed shared library
80	0x50	ELIBBAD	Accessing a corrupted shared library
81	0x51	ELIBSCN	.lib section in a.out corrupted
82	0x52	ELIBMAX	Attempting to link in too many shared libraries
83	0x53	ELIBEXEC	Cannot exec a shared library directly
84	0x54	EILSEQ	Invalid or incomplete multibyte or wide character
85	0x55	ERESTART	Interrupted system call should be restarted
86	0x56	ESTRPIPE	Streams pipe error

number	hex	symbol	description
87	0x57	EUSERS	Too many users
88	0x58	ENOTSOCK	Socket operation on non-socket
89	0x59	EDESTADDRREQ	Destination address required
90	0x5a	EMSGSIZE	Message too long
91	0x5b	EPROTOTYPE	Protocol wrong type for socket
92	0x5c	ENOPROTOOPT	Protocol not available
93	0x5d	EPROTONOSUPPORT	Protocol not supported
94	0x5e	ESOCKTNOSUPPORT	Socket type not supported
95	0x5f	EOPNOTSUPP	Operation not supported
95	0x5f	ENOTSUP	(Same value as EOPNOTSUPP) Operation not supported
96	0x60	EPFNOSUPPORT	Protocol family not supported
97	0x61	EAFNOSUPPORT	Address family not supported by protocol
98	0x62	EADDRINUSE	Address already in use
99	0x63	EADDRNOTAVAIL	Cannot assign requested address
100	0x64	ENETDOWN	Network is down
101	0x65	ENETUNREACH	Network is unreachable
102	0x66	ENETRESET	Network dropped connection on reset
103	0x67	ECONNABORTED	Software caused connection abort
104	0x68	ECONNRESET	Connection reset by peer
105	0x69	ENOBUFS	No buffer space available
106	0x6a	EISCONN	Transport endpoint is already connected
107	0x6b	ENOTCONN	Transport endpoint is not connected
108	0x6c	ESHUTDOWN	Cannot send after transport endpoint shutdown
109	0x6d	ETOOMANYREFS	Too many references: cannot splice
110	0x6e	ETIMEDOUT	Connection timed out
111	0x6f	ECONNREFUSED	Connection refused
112	0x70	EHOSTDOWN	Host is down
113	0x71	EHOSTUNREACH	No route to host
114	0x72	EALREADY	Operation already in progress
115	0x73	EINPROGRESS	Operation now in progress
116	0x74	ESTALE	Stale file handle

number	hex	symbol	description
117	0x75	EUCLEAN	Structure needs cleaning
118	0x76	ENOTNAM	Not a XENIX named type file
119	0x77	ENAVAIL	No XENIX semaphores available
120	0x78	EISNAM	Is a named type file
121	0x79	EREMOTEIO	Remote I/O error
122	0x7a	EDQUOT	Disk quota exceeded
123	0x7b	ENOMEDIUM	No medium found
124	0x7c	EMEDIUMTYPE	Wrong medium type
125	0x7d	ECANCELED	Operation canceled
126	0x7e	ENOKEY	Required key not available
127	0x7f	EKEYEXPIRED	Key has expired
128	0x80	EKEYREVOKED	Key has been revoked
129	0x81	EKEYREJECTED	Key was rejected by service
130	0x82	EOWNERDEAD	Owner died
131	0x83	ENOTRECOVERABLE	State not recoverable
132	0x84	ERFKILL	Operation not possible due to RF-kill
133	0x85	EHWPOISON	Memory page has hardware error