

**NAME**

Errno - System errno constants

**SYNOPSIS**

```
use Errno qw(EINTR EIO :POSIX);
```

**DESCRIPTION**

"Errno" defines and conditionally exports all the error constants defined in your system *errno.h* include file. It has a single export tag, ":POSIX", which will export all POSIX defined error numbers.

On Windows, "Errno" also defines and conditionally exports all the Winsock error constants defined in your system *WinError.h* include file. These are included in a second export tag, ":WINSOCK".

"Errno" also makes "%!" magic such that each element of "%!" has a non-zero value only if \$! is set to that value. For example:

```
my $fh;
unless (open($fh, "<", "/fangorn/spouse")) {
    if ($!{ENOENT}) {
        warn "Get a wife!\n";
    } else {
        warn "This path is barred: $!";
    }
}
```

If a specified constant "EFOO" does not exist on the system, \$!{EFOO} returns "". You may use "exists \$!{EFOO}" to check whether the constant is available on the system.

Perl automatically loads "Errno" the first time you use "%!", so you don't need an explicit "use".

**CAVEATS**

Importing a particular constant may not be very portable, because the import will fail on platforms that do not have that constant. A more portable way to set \$! to a valid value is to use:

```
if (exists &Errno::EFOO) {
    $! = &Errno::EFOO;
}
```

**AUTHOR**

Graham Barr <gbarr@pobox.com>

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