

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;
}
```

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