

## NAME

Fcntl - load the C Fcntl.h defines

## SYNOPSIS

```
use Fcntl;
use Fcntl qw(:DEFAULT :flock);
```

## DESCRIPTION

This module is just a translation of the C *fcntl.h* file. Unlike the old mechanism of requiring a translated *fcntl.ph* file, this uses the **h2xs** program (see the Perl source distribution) and your native C compiler. This means that it has a far more likely chance of getting the numbers right.

## NOTE

Only `#define` symbols get translated; you must still correctly pack up your own arguments to pass as args for locking functions, etc.

## EXPORTED SYMBOLS

By default your system's `F_*` and `O_*` constants (eg, `F_DUPFD` and `O_CREAT`) and the `FD_CLOEXEC` constant are exported into your namespace.

You can request that the *flock()* constants (`LOCK_SH`, `LOCK_EX`, `LOCK_NB` and `LOCK_UN`) be provided by using the tag `:flock`. See `Exporter`.

You can request that the old constants (`FAPPEND`, `FASYNC`, `FCREAT`, `FDEFER`, `FEXCL`, `FNDELAY`, `FNONBLOCK`, `FSYNC`, `FTRUNC`) be provided for compatibility reasons by using the tag `:Fcompat`. For new applications the newer versions of these constants are suggested (`O_APPEND`, `O_ASYNC`, `O_CREAT`, `O_DEFER`, `O_EXCL`, `O_NDELAY`, `O_NONBLOCK`, `O_SYNC`, `O_TRUNC`).

For ease of use also the `SEEK_*` constants (for *seek()* and *sysseek()*, e.g. `SEEK_END`) and the `S_I*` constants (for *chmod()* and *stat()*) are available for import. They can be imported either separately or using the tags `:seek` and `:mode`.

Please refer to your native *fcntl(2)*, *open(2)*, *fseek(3)*, *lseek(2)* (equal to Perl's *seek()* and *sysseek()*, respectively), and *chmod(2)* documentation to see what constants are implemented in your system.

See [perlopentut\(1\)](#) to learn about the uses of the `O_*` constants with *sysopen()*.

See “seek” in [perlfunc\(1\)](#) and “sysseek” in [perlfunc\(1\)](#) about the `SEEK_*` constants.

See “stat” in [perlfunc\(1\)](#) about the `S_I*` constants.