

English

\$PERL_VERSION now stands for `$_V` (a string value) rather than for `$]` (a numeric value).

Env

Env now supports accessing environment variables like PATH as array variables.

Fcntl

More Fcntl constants added: F_SETLK64, F_SETLKW64, O_LARGEFILE for large file (more than 4GB) access (NOTE: the O_LARGEFILE is automatically added to sysopen() flags if large file support has been configured, as is the default), Free/Net/OpenBSD locking behaviour flags F_FLOCK, F_POSIX, Linux F_SHLCK, and O_ACCMODE: the combined mask of O_RDONLY, O_WRONLY, and O_RDWR. The seek()/sysseek() constants SEEK_SET, SEEK_CUR, and SEEK_END are available via the `:seek` tag. The chmod()/stat() S_IF* constants and S_IS* functions are available via the `:mode` tag.

File::Compare

A `compare_text()` function has been added, which allows custom comparison functions. See *File::Compare*.

File::Find

File::Find now works correctly when the `wanted()` function is either autoloaded or is a symbolic reference.

A bug that caused File::Find to lose track of the working directory when pruning top-level directories has been fixed.

File::Find now also supports several other options to control its behavior. It can follow symbolic links if the `follow` option is specified. Enabling the `no_chdir` option will make File::Find skip changing the current directory when walking directories. The `untaint` flag can be useful when running with taint checks enabled.

See *File::Find*.

File::Glob

This extension implements BSD-style file globbing. By default, it will also be used for the internal implementation of the `glob()` operator. See *File::Glob*.

File::Spec

New methods have been added to the File::Spec module: `devnull()` returns the name of the null device (`/dev/null` on Unix) and `tmpdir()` the name of the temp directory (normally `/tmp` on Unix). There are now also methods to convert between absolute and relative filenames: `abs2rel()` and `rel2abs()`. For compatibility with operating systems that specify volume names in file paths, the `splitpath()`, `splitdir()`, and `catdir()` methods have been added.

File::Spec::Functions

The new File::Spec::Functions module provides a function interface to the File::Spec module. Allows shorthand

```
$fullname = catfile($dir1, $dir2, $file);
```

instead of

```
$fullname = File::Spec->catfile($dir1, $dir2, $file);
```

Getopt::Long

Getopt::Long licensing has changed to allow the Perl Artistic License as well as the GPL. It used to be GPL only, which got in the way of non-GPL applications that wanted to use Getopt::Long.

Getopt::Long encourages the use of Pod::Usage to produce help messages. For example:

```
use Getopt::Long;
use Pod::Usage;
my $man = 0;
my $help = 0;
GetOptions('help|?' => \$help, man => \$man) or pod2usage(2);
pod2usage(1) if $help;
pod2usage(-exitstatus => 0, -verbose => 2) if $man;
```