NAME
>   File::Listing – Parse directory listing

VERSION
>   version 6.14

SYNOPSIS
```
use File::Listing qw(parse_dir);
$ENV{LANG} = "C";  # dates in non-English locales not supported
foreach my $file (parse_dir(`ls -l`)) {
    my ($name, $type, $size, $mtime, $mode) = @$file;
    next if $type ne 'f'; # plain file
    #...
}

# directory listing can also be read from a file
open my $listing, "zcat ls-lR.gz|";
$dir = parse_dir($listing, '+0000');
```

DESCRIPTION
>   This module exports a single function called `parse_dir`, which can be used to parse directory listings.

FUNCTIONS
>   **parse_dir**
```
my $dir = parse_dir( $listing );
my $dir = parse_dir( $listing, $time_zone );
my $dir = parse_dir( $listing, $time_zone, $type );
my $dir = parse_dir( $listing, $time_zone, $type, $error );
my @files = parse_dir( $listing );
my @files = parse_dir( $listing, $time_zone );
my @files = parse_dir( $listing, $time_zone, $type );
my @files = parse_dir( $listing, $time_zone, $type, $error );
```

The first parameter (`$listing`) is the directory listing to parse. It can be a scalar, a reference to an array of directory lines or a glob representing a filehandle to read the directory listing from.

The second parameter (`$time_zone`) is the time zone to use when parsing time stamps in the listing. If this value is undefined, then the local time zone is assumed.

The third parameter (`$type`) is the type of listing to assume. Currently supported formats are `'unix'`, `'apache'` and `'dosftp'`. The default value is `'unix'`. Ideally, the listing type should be determined automatically.

The fourth parameter (`$error`) specifies how unparseable lines should be treated. Values can be `'ignore'`, `'warn'` or a code reference. Warn means that the perl **warn()** function will be called. If a code reference is passed, then this routine will be called and the return value from it will be incorporated in the listing. The default is `'ignore'`.

Only the first parameter is mandatory.

```
# list context
foreach my $file (parse_dir($listing)) {
    my($name, $type, $size, $mtime, $mode) = @$file;
}

# scalar context
my $dir = parse_dir($listing);
foreach my $file (@$dir) {
    my($name, $type, $size, $mtime, $mode) = @$file;
}
```

The return value from **parse_dir()** is a list of directory entries. In a scalar context the return value is a reference to the list. The directory entries are represented by an array consisting of:

name
    The name of the file.

type
    One of: `f` file, `d` directory, `l` symlink, `?` unknown.

size
    The size of the file.

time
    The number of seconds since January 1, 1970.

mode
    Bitmask a la the mode returned by `stat`.

SEE ALSO

File::Listing::Ftpcopy
    Provides the same interface but uses `XS` and the parser implementation from `ftpcopy`.

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