

**NAME**

find2perl - translate find command lines to Perl code

**SYNOPSIS**

```
find2perl [paths] [predicates] | perl
```

**DESCRIPTION**

find2perl is a little translator to convert find command lines to equivalent Perl code. The resulting code is typically faster than running find itself.

“paths” are a set of paths where find2perl will start its searches and “predicates” are taken from the following list.

**! PREDICATE**

Negate the sense of the following predicate. The ! must be passed as a distinct argument, so it may need to be surrounded by whitespace and/or quoted from interpretation by the shell using a backslash (just as with using `find(1)`).

**( PREDICATES )**

Group the given PREDICATES. The parentheses must be passed as distinct arguments, so they may need to be surrounded by whitespace and/or quoted from interpretation by the shell using a backslash (just as with using `find(1)`).

**PREDICATE1 PREDICATE2**

True if `_both_` PREDICATE1 and PREDICATE2 are true; PREDICATE2 is not evaluated if PREDICATE1 is false.

**PREDICATE1 -o PREDICATE2**

True if either one of PREDICATE1 or PREDICATE2 is true; PREDICATE2 is not evaluated if PREDICATE1 is true.

**-follow**

Follow (dereference) symlinks. The checking of file attributes depends on the position of the `-follow` option. If it precedes the file check option, an `stat` is done which means the file check applies to the file the symbolic link is pointing to. If `-follow` option follows the file check option, this now applies to the symbolic link itself, i.e. an `lstat` is done.

**-depth**

Change directory traversal algorithm from breadth-first to depth-first.

**-prune**

Do not descend into the directory currently matched.

**-xdev**

Do not traverse mount points (prunes search at mount-point directories).

**-name GLOB**

File name matches specified GLOB wildcard pattern. GLOB may need to be quoted to avoid interpretation by the shell (just as with using `find(1)`).

**-iname GLOB**

Like `-name`, but the match is case insensitive.

**-path GLOB**

Path name matches specified GLOB wildcard pattern.

**-ipath GLOB**

Like `-path`, but the match is case insensitive.

**-perm PERM**

Low-order 9 bits of permission match octal value PERM.

**-perm -PERM**

The bits specified in PERM are all set in file’s permissions.

- type X**  
The file's type matches perl's **-X** operator.
- fstype TYPE**  
Filesystem of current path is of type TYPE (only NFS/non-NFS distinction is implemented).
- user USER**  
True if USER is owner of file.
- group GROUP**  
True if file's group is GROUP.
- nouser**  
True if file's owner is not in password database.
- nogroup**  
True if file's group is not in group database.
- inum INUM**  
True file's inode number is INUM.
- links N**  
True if (hard) link count of file matches N (see below).
- size N**  
True if file's size matches N (see below) N is normally counted in 512-byte blocks, but a suffix of "c" specifies that size should be counted in characters (bytes) and a suffix of "k" specifies that size should be counted in 1024-byte blocks.
- atime N**  
True if last-access time of file matches N (measured in days) (see below).
- ctime N**  
True if last-changed time of file's inode matches N (measured in days, see below).
- mtime N**  
True if last-modified time of file matches N (measured in days, see below).
- newer FILE**  
True if last-modified time of file matches N.
- print**  
Print out path of file (always true). If none of **-exec**, **-ls**, **-print0**, or **-ok** is specified, then **-print** will be added implicitly.
- print0**  
Like **-print**, but terminates with 0 instead of n.
- exec OPTIONS ;**  
*exec()* the arguments in OPTIONS in a subprocess; any occurrence of {} in OPTIONS will first be substituted with the path of the current file. Note that the command "rm" has been special-cased to use perl's *unlink()* function instead (as an optimization). The ; must be passed as a distinct argument, so it may need to be surrounded by whitespace and/or quoted from interpretation by the shell using a backslash (just as with using [find\(1\)](#)).
- ok OPTIONS ;**  
Like **-exec**, but first prompts user; if user's response does not begin with a y, skip the exec. The ; must be passed as a distinct argument, so it may need to be surrounded by whitespace and/or quoted from interpretation by the shell using a backslash (just as with using [find\(1\)](#)).
- eval EXPR**  
Has the perl script *eval()* the EXPR.

`-ls`  
Simulates `-exec ls -dils {} ;`

`-tar FILE`  
Adds current output to tar-format FILE.

`-cpio FILE`  
Adds current output to old-style cpio-format FILE.

`-ncpio FILE`  
Adds current output to “new”-style cpio-format FILE.

Predicates which take a numeric argument N can come in three forms:

- \* N is prefixed with a `+`: match values greater than N
- \* N is prefixed with a `-`: match values less than N
- \* N is not prefixed with either `+` or `-`: match only values equal to N

**SEE ALSO**

`find`, `File::Find`.