NAME

cpan - easily interact with CPAN from the command line

SYNOPSIS

```
# with arguments and no switches, installs specified modules
cpan module_name [ module_name ... ]


# with switches, installs modules with extra behavior
cpan [-cfimt] module_name [ module_name ... ]


# without arguments, starts CPAN.pm shell
cpan


# without arguments, but some switches
cpan [-ahrvACDLO]
```

DESCRIPTION

This script provides a command interface (not a shell) to CPAN. At the moment it uses CPAN.pm to do the work, but it is not a one-shot command runner for CPAN.pm.

Meta Options

These options are mutually exclusive, and the script processes them in this order: [hvCAar]. Once the script finds one, it ignores the others, and then exits after it finishes the task. The script ignores any other command line options.

-a

> Creates the CPAN.pm autobundle with CPAN::Shell->autobundle.

-A module [module ...]

> Shows the primary maintainers for the specified modules

-C module [module ...]

> Show the `Changes` files for the specified modules

-D module [module ...]

> Show the module details. This prints one line for each out-of-date module (meaning, modules locally installed but have newer versions on CPAN). Each line has three columns: module name, local version, and CPAN version.

-L author [author ...]

> List the modules by the specified authors.

-h

> Prints a help message.

-O

> Show the out-of-date modules.

-r

> Recompiles dynamically loaded modules with CPAN::Shell->recompile.

-v

> Print the script version and CPAN.pm version.

Module options

These options are mutually exclusive, and the script processes them in alphabetical order. It only processes the first one it finds.

c

Runs a `make clean` in the specified module's directories.

f

Forces the specified action, when it normally would have failed.

i

Installed the specified modules.

m

Makes the specified modules.

t

Runs a `make test` on the specified modules.

Examples

```
# print a help message
cpan -h

# print the version numbers
cpan -v

# create an autobundle
cpan -a

# recompile modules
cpan -r

# install modules ( sole -i is optional )
cpan -i Netscape::Booksmarks Business::ISBN

# force install modules ( must use -i )
cpan -fi CGI::Minimal URI
```

TO DO
BUGS

* none noted

SEE ALSO

Most behaviour, including environment variables and configuration, comes directly from CPAN.pm.

SOURCE AVAILABILITY

This source is part of a SourceForge project which always has the latest sources in CVS, as well as all of the previous releases.

```
http://sourceforge.net/projects/brian-d-foy/
```

If, for some reason, I disappear from the world, one of the other members of the project can shepherd this module appropriately.

CREDITS

Japheth Cleaver added the bits to allow a forced install (-f).

Jim Brandt suggest and provided the initial implementation for the up-to-date and Changes features.

Adam Kennedy pointed out that exit() causes problems on Windows where this script ends up with a .bat extension

AUTHOR

brian d foy, `<bdfoy@cpan.org>`

COPYRIGHT

Copyright (c) 2001-2006, brian d foy, All Rights Reserved.

You may redistribute this under the same terms as Perl itself.