1   Apache::StatINC - Reload %INC files when updated on disk

1.1 Synopsis

```
#httpd.conf or some such
#can be any Perl*Handler
PerlInitHandler Apache::StatINC
```

1.2 Description

When Perl pulls a file via `require`, it stores the filename in the global hash `%INC`. The next time Perl tries to `require` the same file, it sees the file in `%INC` and does not reload from disk. This module's handler iterates over `%INC` and reloads the file if it has changed on disk.

Note that StatINC operates on the current context of `@INC`. Which means, when called as a Perl*Handler it will not see `@INC` paths added or removed by Apache::Registry scripts, as the value of `@INC` is saved on server startup and restored to that value after each request. In other words, if you want StatINC to work with modules that live in custom `@INC` paths, you should modify `@INC` when the server is started. Besides, `use lib` in startup scripts, you can also set the `PERL5LIB` variable in the httpd's environment to include any non-standard 'lib' directories that you choose. For example, you might use a script called 'start_httpd' to start apache, and include a line like this:

```
PERL5LIB=/usr/local/foo/myperllibs; export PERL5LIB
```

When you have problems with modules not being reloaded, please refer to the following lines in *perlmodlib*:

"Always use `-w`. Try to `use strict;` (or `use strict qw(...);`). Remember that you can add `no strict qw(...);` to individual blocks of code that need less strictness. Always use `-w`. Always use `-w`! Follow the guidelines in the perlstyle(1) manual."

Warnings when running under mod_perl is enabled with `PerlWarn On` in your httpd.conf.

It will most likely help you to find the problem. Really.

1.3 Options

- **StatINC_UndefOnReload**

  Normally, `StatINC` will turn of warnings to avoid "Subroutine redefined" warnings when it reloads a file. However, this does not disable the Perl mandatory warning when re-defining `constant` subroutines (see perldoc perlsub). With this option On, StatINC will invoke the `Apache::Symbol` `undef_functions` method to avoid these mandatory warnings:

  ```
  PerlSetVar StatINC_UndefOnReload On
  ```

- **StatINC_Debug**

You can make `StatINC` tell when it reloads a module by setting this option to on.

```
PerlSetVar StatINC_Debug 1
```

The only used debug level is currently 1.

1.4 SEE ALSO

mod_perl

1.5 Maintainers

Maintainer is the person(s) you should contact with updates, corrections and patches.

- **Ask Bjoern Hanse <ask (at) netcetera.dk>**
- **The documentation mailing list**

1.6 Authors

- **Doug MacEachern**
- **Ask Bjoern Hansen**

Only the major authors are listed above. For contributors see the Changes file.

Table of Contents: