

# **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.



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