1 Apache::SIG - Override apache signal handlers with Perl’s
1.1 Synopsis

PerlFixupHandler Apache::SIG

1.2 Description

When a client drops a connection and Apache is in the middle of a write, a timeout will occur and httpd sends a SIGPIPE. When Apache’s SIGPIPE handler is used, Perl may be left in the middle of it’s eval context, causing bizarre errors during subsequent requests are handled by that child. When Apache::SIG is used, it installs a different SIGPIPE handler which rewinds the context to make sure Perl is back to normal state, preventing these bizarre errors.

If you would like to log when a request was cancelled by a SIGPIPE in your Apache access_log, you can declare Apache::SIG as a handler (any Perl*Handler will do, as long as it is run before Perl-Handler, e.g. PerlFixupHandler), and you must also define a custom LogFormat in your httpd.conf, like so:

```
PerlFixupHandler Apache::SIG
LogFormat "%h %l %u %t "%r" %s %b %{SIGPIPE}e"
```

If the server has noticed that the request was cancelled via a SIGPIPE, then the log line will end with 1, otherwise it will just be a dash.

1.3 Caveats

The signal handler in this package uses the subprocess_env table of the main request object to supply the SIGPIPE "environment variable" to the log handler. If you already use the key SIGPIPE in your subprocess_env table, then you can redefine the key like this:

```
$Apache::SIG::PipeKey = 'my_SIGPIPE';
```

and log it like this:

```
LogFormat "%h %l %u %t "%r" %s %b %{my_SIGPIPE}e"
```

1.4 Maintainers

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

- The documentation mailing list

1.5 Authors

- Doug MacEachern
- Doug Bagley
Only the major authors are listed above. For contributors see the Changes file.

1.6  See Also

perlvar(1)
# Table of Contents:

1 Apache::SIG - Override apache signal handlers with Perl’s .......................... 1
   1.1 Synopsis ........................................... 2
   1.2 Description ....................................... 2
   1.3 Caveats ............................................. 2
   1.4 Maintainers ........................................ 2
   1.5 Authors ............................................. 2
   1.6 See Also ............................................ 3