

1 Debugging mod_perl Perl Internals

1.1 Description

This document explains how to debug Perl code under mod_perl.

Most of the mod_perl 1.0 debug documentation applies to mod_perl 2.0:

1.1.1 Detecting Hanging Processes

See Hanging Processes: Detection and Diagnostics for the explanation, but under mp2 to use signals to detect where the process is spinning, you can't use `$SIG{USR2}`, you have to use POSIX signals. i.e. the code becomes:

```
use Carp ();
use POSIX qw(SIGUSR2);
my $mask      = POSIX::SigSet->new( SIGUSR2 );
my $action    = POSIX::SigAction->new(\&tell_where_spinning, $mask);
my $oldaction = POSIX::SigAction->new();
POSIX::sigaction(SIGUSR2, $action, $oldaction );

sub tell_where_spinning {
    Carp::confess("caught SIGUSR2!");
};
```

and then:

```
% kill USR2 <pid_of_the_spinning_process>
```

and watch for the trace in *error_log*.

1.2 Maintainers

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

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1.3 Authors

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

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