

# **1 Apache::Status - Embedded interpreter status information**

## 1.1 Synopsis

```
<Location /perl-status>
    SetHandler modperl
    PerlResponseHandler Apache::Status
</Location>
```

## 1.2 Description

The **Apache::Status** module provides some information about the status of the Perl interpreter embedded in the server.

Configure like so:

```
<Location /perl-status>
    SetHandler modperl
    PerlResponseHandler Apache::Status
</Location>
```

Notice that under the "modperl" core handler the *Environment* menu option will show only the environment under that handler. To see the environment seen by handlers running under the "perl-script" core handler, configure `Apache::Status` as:

```
<Location /perl-status>
    SetHandler perl-script
    PerlResponseHandler Apache::Status
</Location>
```

Other modules can "plugin" a menu item like so:

```
Apache::Status->menu_item(
    'DBI' => "DBI connections", #item for Apache::DBI module
    sub {
        my($r,$q) = @_; #request and CGI objects
        my(@strings);
        push @strings, "blobs of html";
        return \@strings;      #return an array ref
    }
) if Apache->module("Apache::Status"); #only if Apache::Status is loaded
```

**WARNING:** `Apache::Status` must be loaded before these modules via the `PerlModule` or `PerlRequire` directives.

## 1.3 Options

- **StatusOptionsAll**

This single directive will enable all of the options described below.

```
PerlSetVar StatusOptionsAll On
```

- **StatusDumper**

When browsing symbol tables, the values of arrays, hashes and scalars can be viewed via **Data::Dumper** if this configuration variable is set to On:

```
PerlSetVar StatusDumper On
```

- **StatusPeek**

With this option On and the **Apache::Peek** module installed, functions and variables can be viewed ala **Devel::Peek** style:

```
PerlSetVar StatusPeek On
```

- **StatusLexInfo**

With this option On and the **B::LexInfo** module installed, subroutine lexical variable information can be viewed.

```
PerlSetVar StatusLexInfo On
```

- **StatusDeparse**

With this option On and **B::Deparse** version 0.59 or higher (included in Perl 5.005\_59+), subroutines can be "deparsed".

```
PerlSetVar StatusDeparse On
```

Options can be passed to **B::Deparse::new** like so:

```
PerlSetVar StatusDeparseOptions "-p -sC"
```

See the **B::Deparse** manpage for details.

- **StatusTerse**

With this option On, text-based op tree graphs of subroutines can be displayed, thanks to **B::Terse**.

```
PerlSetVar StatusTerse On
```

- **StatusTerseSize**

With this option On and the **B::TerseSize** module installed, text-based op tree graphs of subroutines and their size can be displayed. See the **B::TerseSize** docs for more info.

```
PerlSetVar StatusTerseSize On
```

- **StatusTerseSizeMainSummary**

## 1.4 Prerequisites

With this option On and the **B::TerseSize** module installed, a "Memory Usage" will be added to the Apache::Status main menu. This option is disabled by default, as it can be rather cpu intensive to summarize memory usage for the entire server. It is strongly suggested that this option only be used with a development server running in **-X** mode, as the results will be cached.

```
PerlSetVar StatusTerseSizeMainSummary On
```

- **StatusGraph**

When **StatusDumper** is enabled, another link "OP Tree Graph" will be present with the dump if this configuration variable is set to On:

```
PerlSetVar StatusGraph
```

This requires the B module (part of the Perl compiler kit) and B::Graph (version 0.03 or higher) module to be installed along with the **dot** program.

Dot is part of the graph visualization toolkit from AT&T:  
<http://www.research.att.com/sw/tools/graphviz/>).

**WARNING:** Some graphs may produce very large images, some graphs may produce no image if B::Graph's output is incorrect.

- **Dot**

Location of the dot program for StatusGraph, if other than /usr/bin or /usr/local/bin

- **GraphDir**

Directory where StatusGraph should write it's temporary image files. Default is \$Server-Root/logs/b\_graphs

## 1.4 Prerequisites

The *Devel::Syndump* module, version **2.00** or higher.

## 1.5 Copyright

mod\_perl 2.0 and its core modules are copyrighted under The Apache Software License, Version 1.1.

## 1.6 See Also

perl(1), Apache(3), Devel::Syndump(3), Data::Dumper(3), B(3), B::Graph(3), mod\_perl 2.0 documentation.

## 1.7 Authors

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