

# **1 mod\_perl 1.0 Win32 Configuration Instructions**

## 1.1 Description

This document discusses how to configure `mod_perl` 1.0 under Win32.

## 1.2 Configuration

Add this line to `C:\Apache\conf\httpd.conf`:

```
LoadModule perl_module modules/mod_perl.so
```

Be sure that the path to your Perl binary (eg, `C:\Perl\bin`) is in your `PATH` environment variable. This can be done either through editing `C:\AutoExec.bat`, if present, or through the *Environment Variables* option of the *Advanced* tab in the *System* area of the Control Panel. Especially when running Apache as a service, you may also want to add

```
LoadFile "C:/Path/to/Perl/bin/perl56.dll"
```

in `httpd.conf`, before loading `mod_perl.so`, to load your perl dll.

If you have a `ClearModuleList` directive enabled in `httpd.conf`, you may also need to add

```
AddModule mod_perl.c
```

See the descriptions of the `ClearModuleList` and `AddModule` directives in the Apache documents for more details, especially concerning the relative order of these and the `LoadModule` directive.

## 1.3 Registry scripts

Using `Apache::Registry` to speed up cgi scripts may be done as follows. Create a directory, for example, `C:\Apache\mod_perl`, which will hold your scripts, such as

```
## printenv -- demo CGI program which just prints its environment
##
use strict;
print "Content-type: text/html\n\n";
print "<HTML><BODY><H3>Environment variables</H3><UL>";
foreach (sort keys %ENV) {
    my $val = $ENV{$_};
    $val =~ s|\n|\n|g;
    $val =~ s|"|\\"|g;
    print "<LI>$_ = \"${val}\"</LI>\n";
}
#sleep(10);
print "</UL></BODY></HTML>";
```

Note that Apache takes care of using the proper line endings when sending the *Content-type* header. Next, insert in `C:\Apache\conf\httpd.conf` the following directives:

```
Alias /mod_perl/ "/Apache/mod_perl/"
<Location /mod_perl>
    SetHandler perl-script
    PerlHandler Apache::Registry
    Options +ExecCGI
    PerlSendHeader On
</Location>
```

whereby the script would be called as

```
http://localhost/mod_perl/name_of_script
```

## 1.4 Hello World

As you will discover, there is much to mod\_perl beyond simple speed-up of cgi scripts. Here is a simple *Hello, World* example that illustrates the use of mod\_perl as a content handler. Create a file *Hello.pm* as follows:

```
package Apache::Hello;
use strict;
use Apache::Constants qw(OK);

sub handler {
    my $r = shift;
    $r->send_http_header;
    $r->print("<html><body>Hello World!</body></html>\n");
    return OK;
}

1;
```

and save it in, for example, the *C:\Perl\site\lib\Apache\* directory. Next put the following directives in *C:\Apache\conf\httpd.conf*:

```
PerlModule Apache::Hello
<Location /hello>
    SetHandler perl-script
    PerlHandler Apache::Hello
</Location>
```

With this, calls to

```
http://localhost/hello
```

will use `Apache::Hello` to deliver the content.

## 1.5 Apache modules

The theorxy5 repository containing the mod\_perl ppm package also contains a number of other Apache modules, such as `Apache::ASP`, `HTML::Embperl`, and `HTML::Mason`. However, there may be ones you find that are not available through a repository; in such cases, you might try sending a message to the

maintainer of the repository asking if a particular package could be included.

Alternatively, you can use the `CPAN.pm` module to fetch, build, and install the module - see `perldoc CPAN` for details. You will need the **nmake** utility for this, download it from <http://download.microsoft.com/download/vc15/Patch/1.52/W95/EN-US/Nmake15.exe> (it's a self extracting archive, so run it and then copy the files to somewhere in your *PATH* environment variable).

## 1.6 See Also

The directions for installing `mod_perl 1.0` on Win32, the `mod_perl` documentation, and the FAQs for `mod_perl` on Win32. Help is also available through the archives of and subscribing to the `mod_perl` mailing list.

## 1.7 Maintainers

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

- Randy Kobes <[randy@theoryx5.uwinnipeg.ca](mailto:randy@theoryx5.uwinnipeg.ca)>

## 1.8 Authors

- Randy Kobes <[randy@theoryx5.uwinnipeg.ca](mailto:randy@theoryx5.uwinnipeg.ca)>

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

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