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, http://take23.org/, 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.

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1.8 Authors

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