

Download

Get source and binary mod_perl distributions and download the documentation

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Current releases:

- `mod_perl 2.0`: Version 2.0.8 - April 17, 2013
For use with Apache 2.0.x / 2.2.x
Download [PGP] [MD5] [SHA1] | Browse | Changes | Installation
- `mod_perl 1.0`: Version 1.31 - May 11, 2009
For use with Apache 1.3.x
Download [PGP] [MD5] [SHA1] | Browse | Changes | Installation

Verify the integrity of the files:

It is essential that you verify the integrity of the downloaded files using the PGP or MD5 signatures. The PGP signatures can be verified using PGP or GPG. First download the KEYS file as well as the asc signature file for the relevant distribution. Make sure you get these files from the main distribution directory, rather than from a mirror. Then verify the signatures using

```
% pgpk -a KEYS
% gpgv mod_perl-2.0.8.tar.gz.asc
or,
% gpg -ka KEYS
% gpg mod_perl-2.0.8.tar.gz.asc
or,
% gpg --import KEYS
% gpg --verify mod_perl-2.0.8.tar.gz.asc
```

Alternatively, you can verify the MD5 signature on the files. A unix program called `md5` or `md5sum` is included in many unix distributions. It is also available as part of GNU Textutils. Windows users can get binary md5 programs from [here](#), [here](#), or [here](#). An MD5 signature consists of 32 hex characters, and a SHA1 signature consists of 40 hex characters. Ensure your generated signature string matches the signature string published in the files above.

- 1. Source `mod_perl` distributions

This document explains how to get the `mod_perl` 1.0 and 2.0 source distributions.

- 2. Binary `mod_perl` distributions

This document includes links to various binary `mod_perl` distributions.

- 3. Software Bundles

This document explains how to get other Perl add-on modules used with `mod_perl`.

- 4. Additional Software

Where to get software written by other parties that might be useful (or necessary) when running `mod_perl`.

- 5. Documentation

You may want to download and install the `mod_perl` documentation locally for easier reading, or to submit documentation patches.

1 Source mod_perl distributions

1.1 Description

This document explains how to get the mod_perl 1.0 and 2.0 source distributions.

See also the binary distributions and the bundles.

There is also information on 3rd party modules.

1.2 mod_perl 2.0

Be sure to read the *README* and *INSTALL* documents (in the distribution package) and the longer mod_perl 2.0 installation guide.

1.2.1 Stable mod_perl 2.0 Source Distribution

- **Master Source distribution**

Release <http://apache.org/dist/perl/>

- **CPAN**

Currently the released versions include `_` in them (e.g., `mod_perl-2.0.2.tar.gz`), so they are invisible via `CPAN.pm` or <http://search.cpan.org/>. But they are available from CPAN dir:

http://search.cpan.org/dist/mod_perl/

1.2.2 Development mod_perl 2.0 Source Distribution

- **SVN Access**

To download the svn version of mod_perl-2.0 execute the following commands:

```
% svn checkout https://svn.apache.org/repos/asf/perl/modperl/trunk/ mod_perl-2.0
```

Developers: In order to commit for the first time you will need to update your password. To do that, visit:

<https://svn.apache.org/change-password>

- **Apache/APR SVN**

To download the svn version of httpd-2.0 and bring it to the same state of the distribution package, execute the following commands:

(Use `http://` instead of `https://` if you don't plan to commit changes)

For httpd 2.0 (the stable Apache 2.0 branch):

```
% svn checkout https://svn.apache.org/repos/asf/httpd/httpd/branches/2.0.x/ httpd-2.0
% cd httpd-2.0/src/lib
% svn checkout https://svn.apache.org/repos/asf/apr/apr/branches/0.9.x/ apr
% svn checkout https://svn.apache.org/repos/asf/apr/apr-util/branches/0.9.x/ apr-util
% cd ..
% ./buildconf
```

Once extracted, whenever you want to sync with the latest httpd-2.0 version and rebuild, run:

```
% cd httpd-2.0
% svn update
% make distclean && ./buildconf
```

For httpd 2.1 (the development Apache 2.0 branch) use this instead:

```
% svn checkout https://svn.apache.org/repos/asf/httpd/httpd/trunk/ httpd-2.1
% cd httpd-2.1/src/lib
% svn checkout https://svn.apache.org/repos/asf/apr/apr/trunk/ apr
% svn checkout https://svn.apache.org/repos/asf/apr/apr-util/trunk/ apr-util
```

- **RPMs**

Some RPM packages for the bleeding mod_perl versions can be searched for using rpmfind services, e.g.:

http://www.rpmfind.net/linux/rpm2html/search.php?query=mod_perl&submit=Search+...

1.2.3 mod_perl 2.0 SVN Web Interface

<http://svn.apache.org/viewvc/perl/modperl/trunk/>

1.3 mod_perl 1.0

Be sure to read the *README* and *INSTALL* documents (in the distribution package) and the longer the installation guide.

1.3.1 Stable mod_perl 1.0 Source Distribution

- **Master Source distribution**

Release <http://apache.org/dist/perl/>

- **CPAN**

<http://www.cpan.org/modules/by-module/Apache/>

1.3.2 Development mod_perl 1.0 Source Distribution

- **SVN Access**

To download the svn version of mod_perl-1.0 execute the following commands:

```
% svn checkout https://svn.apache.org/repos/asf/perl/modperl/branches/1.x/ modperl-1.0
```

Developers: In order to commit for the first time you will need to update your password. To do that visit:

<https://svn.apache.org/change-password>

1.3.3 mod_perl 1.0 SVN Web Interface

<http://svn.apache.org/viewvc/perl/modperl/branches/1.x/>

2 Binary mod_perl distributions

2.1 Description

This document includes links to various binary mod_perl distributions.

If you know about a distribution that isn't listed here, please tell us (by announcing it at the mod_perl list).

See also the source distributions and the bundles.

2.2 How to get pre-compiled mod_perl 1.0

2.2.1 Win32 build

Please see the section on Win32 mod_perl 1.0 binary distributions for details on getting all-in-one mod_perl 1.0 binary packages.

2.2.2 Win32 Active Perl

See the section on Win32 mod_perl 1.0 ppm packages for details on obtaining mod_perl 1.0 via ActivePerl's ppm utility, and Win32 mod_perl 2.0 ppm packages for the corresponding discussion for mod_perl 2.0 packages.

2.2.3 RedHat Linux

Static mod_perl and libapreq (Apache::Request) RPMs and SRPMs (made by David Harris) <http://www.davideous.com/modperlrpm/distrib/>. Mirrored at <http://perl.apache.org/rpm/>.

2.2.4 RedHat Linux (including php3)

i386 RPMs + SRPM (RedHat) of Apache with mod_perl and php3 built statically. (made by Vladimir Ivaschenko) <http://www.hazard.maks.net/apache/>

2.2.5 other OS

OS vendors may supply their own pre-compiled version of mod_perl. Refer to your OS vendor to figure out if they provide a binary version of mod_perl.

2.3 How to get pre-compiled mod_perl 2.0

2.3.1 Win32

Please see the section on Win32 mod_perl 2.0 binary distributions for details on getting all-in-one mod_perl 2.0 binary packages.

2.3.2 *Fedora*

<http://buscaluz.org/rpms/> (by Stuart Jansen)

3 Software Bundles

There are several other Perl modules that you might wish to have installed, to take full advantage of `mod_perl` functionality. Provided you have Andreas König's CPAN.pm module, simply run:

```
cpan> install Bundle::Apache
```

This will fetch and install `mod_perl` and related packages for you all at once. Otherwise, once you've installed `mod_perl` see the listing by running

```
% perldoc Bundle::Apache
```

See also the source and the binary distributions.

4 Additional Software

4.1 Description

Where to get software written by other parties that might be useful (or necessary) when running `mod_perl`.

4.2 Perl

Perl is probably already installed on your machine, but you should at least check the version you are using. It is highly recommended that you have at least Perl version 5.004. You can get the latest perl version from <http://cpan.org/src/>. Try the direct download link <http://cpan.org/src/stable.tar.gz>. You can get Perl documentation from the same location (although copious documentation is included in the downloaded Perl distribution).

4.3 CPAN Downloads

You can download most of the Perl modules from CPAN. There are many mirrors of this site. The main site's URL is <http://cpan.org/>.

You may want to search the Perl modules database by using <http://search.cpan.org/>.

Either use the search form, or type in the name of the package the module is distributed in. For example if you are looking for `Apache::DumpHeaders`, you can type:

<http://search.cpan.org/search?dist=Apache-DumpHeaders> .

4.4 Apache

Get the latest Apache webserver and documentation from <http://httpd.apache.org>. Try the direct download link <http://httpd.apache.org/dist/>.

4.5 Squid - Internet Object Cache

<http://www.squid-cache.org/>

Squid Linux 2.x Redhat RPMs : <http://home.earthlink.net/~intrep/linux/>

4.6 thttpd - tiny/turbo/throttling HTTP server

<http://www.acme.com/software/thttpd/>

4.7 mod_proxy_add_forward

Ask Bjoern Hansen has written the `mod_proxy_add_forward.c` module for Apache that sets the `X-Forwarded-For` field when doing a `ProxyPass`, similar to what Squid does. His module is available from one of these URLs: <http://modules.apache.org/>, [15 Feb 2014](http://devel-</p></div><div data-bbox=)

ooper.com/code/mpaf/mod_proxy_add_forward.c or
http://www.cpan.org/authors/id/ABH/mod_proxy_add_forward.c, complete with instructions on how to compile it and whatnot.

4.8 httpperf -- webservice Benchmarking tool

http://www.hpl.hp.com/personal/David_Mosberger/httpperf.html

4.9 http_load -- another webservice Benchmarking tool

http://www.acme.com/software/http_load/

4.10 Webstone -- another webservice Benchmarking tool

<http://www.mindcraft.com/webstone/>

4.11 Flood -- another webservice Benchmarking tool

<http://httpd.apache.org/test/flood/>

4.12 ab -- ApacheBench

ApacheBench comes with the Apache distribution.

4.13 Daquiri -- yet another webservice Benchmarking tool

should be available from the mod_backhand CVS tree: http://www.backhand.org/mod_backhand/

4.14 High-Availability and Load Balancing Projects

4.14.1 *mod_backhand -- Load Balancing for Apache*

http://www.backhand.org/mod_backhand/

4.14.2 *mod_redundancy*

mod_redundancy is a module that works with Apache webservice. It creates a Master/Slave Relationship between two physical webservers. The Slave takes over the IP-Address(es) and the Webservice(s) in case of a failure of the Master. One of the clues of this solution is, that the Redundancy/Failover-Configuration is made inside the Apache-Configfile.

The product is neither OSS, nor free :(

The homepage of mod_redundancy is <http://www.ask-the-guru.com> .

4.14.3 High-Availability Linux Project

You will find the definitive guide to load balancing techniques at the High-Availability Linux Project site -- <http://linux-ha.org/>

4.14.4 lbnamed - a Load Balancing Name Server Written in Perl

<http://www.stanford.edu/~riepel/lbnamed/> <http://www.stanford.edu/~riepel/lbnamed/bof.talk/>
<http://www.stanford.edu/~schemers/docs/lbnamed/lbnamed.html>

4.14.5 Network Address Translation and Networks: Virtual Servers (Load Balancing)

<http://www.csn.tu-chemnitz.de/~mha/linux-ip-nat/diplom/node4.html#SECTION00043100000000000000>

4.14.6 Linux Virtual Server Project

<http://www.linuxvirtualserver.org/>

4.14.7 Efficient Support for P-HTTP in Cluster-Based Web Servers

(with Mohit Aron and Willy Zwaenepoel.) In Proceedings of the USENIX 1999 Annual Technical Conference, Monterey, CA, June 1999. <http://www.cs.rice.edu/~druschel/usenix99lard.ps.gz>
http://www.usenix.org/publications/library/proceedings/usenix99/full_papers/aron/aron_html/index.html

4.14.8 IP Filter

The latest ip filter includes some simple load balancing code, that allows a round-robin distribution onto several machines via ipnat. That may be a simple solution for a few specific load problem. <http://coombs.anu.edu.au/~avalon/>

4.15 Apache::Request

The package name is *libapreq*.

Get it from <http://www.apache.org/dist/httpd/libapreq/>. More information can be found at: <http://httpd.apache.org/apreq/>.

4.16 DataBases

Low-Cost Unix Database Differences (a little bit outdated..) <http://www.toodarkpark.org/computers/dbs.html>

My collection of various links to databases implementations <http://stason.org/TULARC/webmaster/db.html>

4.17 libgtop

LibGTop is a library that fetches system related information such as CPU Load, Memory Usage and information about running processes. The module GTop provides a Perl interface to this library.

<http://ftp.gnome.org/pub/gnome/sources/libgtop/>

<http://fr.rpmfind.net/linux/rpm2html/search.php?query=libgtop>

4.18 Maintainers

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

- Stas Bekman [<http://stason.org/>]

4.19 Authors

- Stas Bekman [<http://stason.org/>]

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

5 Documentation

5.1 Description

You may want to download and install the `mod_perl` documentation locally for easier reading, or to submit documentation patches.

To install the documentation you will have to install the whole site at the same time though, but this should just be a benefit because you can mirror the whole site locally and have access to all the information available here.

5.2 Download

The `mod_perl` documentation lives in the `svn.apache.org` Subversion server. To get it, you will need to checkout a copy. Assuming you have Subversion installed, run the following command from the directory you want to place the `modperl-docs` directory in:

```
% svn co http://svn.apache.org/repos/asf/perl/modperl/docs/trunk modperl-docs
```

You will now find a directory called `modperl-docs` in the current working directory which contains all the sources needed to build the site. See the Subversion Howto for more information.

5.3 Build

The build process is very simple, as we have developed a number of tools which are very helpful in this task. However, you will need a number of prerequisites before starting.

5.3.1 Prerequisites

DocSet: while it is included with the Subversion distribution, please download it from CPAN and install the latest version. It will install the tool `html2ps`, which is needed to build the PDF version, and also a number of Perl modules (it will tell you the Perl modules prerequisites).

For the PDF version, you will also need a command-line tool called `ps2pdf`, which is included with the Ghostscript distribution: see <http://www.ghostscript.com/>.

5.3.2 Normal build process

The programs used to build the site are included in the directory you checked out from SVN. To build the whole site, run this while being placed in the `modperl-docs` directory.

```
% bin/build
```

This will place the site in the sub-directory `dst_html`. You may open `index.html` in there to start browsing the site.

If you are using the Windows operating system, please see the file *INSTALL.win32* for some win32-specific information.

5.3.3 PDF version

Now, you can go back to your *modperl-docs* directory. Building the PDF version is as easy as with the HTML version, just do a simple:

```
% bin/build -d
```

And the PDF version will be built. This is often very time-consuming and heavy on resources though. The results will be placed in *dst_html* too, with links on the HTML pages to the PDF versions. A *dst_ps* directory is also created, which contains intermediate HTML, PostScript and PDF files.

5.4 Keeping your local copy up to date

Now that you have a working copy of the *mod_perl* site, you will want to keep your documentation up to date. It is updated quite frequently, so you might want to follow the *docs-cvs* mailing list to see when changes are made.

Once you see a change is made, you need to update your Subversion working copy, and re-build the site (although it will only rebuild modified files).

```
% svn up
% bin/build
```

Rebuilding the PDF version is just as easy, just run:

```
% bin/build -d
```

There are some times however when a simple rebuild will not be enough: usually when there are changes made to the design or to *config.cfg* files. In that case, you will need to force the whole rebuild:

```
% bin/build -f
% bin/build -df    # if you want PDF to be rebuilt.
```

5.5 Submitting documentation patches

We warmly welcome any updates to the documentation. To send us a documentation patch, please update your Subversion tree, and then, depending on the patch:

- If the change is big, send the whole source file to the maintainer or the documentation mailing list.
- If you only add a paragraph/modify a line, please make sure you have the *latest* Subversion version, and then issue:

```
% cd modperl-docs
% svn diff > patch
```

And send the *patch* file to the maintainer or the documentation mailing list, preferably inlined in your e-mail (so it's easier to review and follow if needed).

For example if you have improved the *src/docs/2.0/api/Apache/RequestUtil.pod* doc, to generate the patch do:

```
% cd modperl-docs
% svn diff src/docs/2.0/api/Apache/RequestUtil.pod > patch
```

This approach will get the diff of only that file.

When writing documentation, please make sure to read the files contained in *admin/* in the SVN tree, especially *style.pod*, to see what guidelines you should follow.

5.6 Mirroring the Site

If you want to mirror the site, it's the easiest to recreate the site from scratch on your mirror, rather than using the normal mirroring process. This is because the site is quite big and by simply copying it you won't get the search working.

If you decided to build the site's mirror by yourself, here is the information about how to setup the server configuration and keep it in sync with the master site using the crontab jobs:

Make sure to adjust the paths and other details in the following files before using them. That includes the URL of the site, the location of the source files and the location of the *swish-e* binary, which you need to install if you don't have it already (you need *swish-e* 2.1 or higher).

Here is the *httpd.conf* configuration section:

```
Alias /modperl/ "/usr/local/modperl-docs/dst_html/"
<Directory "/usr/local/modperl-docs/dst_html">
    AllowOverride None
    Order allow,deny
    Allow from all
</Directory>
<Directory "/usr/local/modperl-docs/dst_html/search">
    SetEnv SWISH_BINARY_PATH "/usr/local/bin/swish-e"
    SetEnv PERL5LIB "/usr/local/modperl-docs/dst_html/search/modules"
    Options +ExecCGI
    AddHandler cgi-script cgi
</Directory>
```

Here is the cron script that updates the site (save it as */usr/local/modperl-docs/bin/site_build*):

```
#!/usr/bin/perl -w
# file: site_build
#
# this script does different things depending on how it was named (or
# a symlink) if the name includes:
# force - the whole site is rebuilt
# pdf   - builds pdfs
```

```

# index - builds the index
#
# the easiest way is to use symlinks to the same script
#
# by default it only updates the changed files

use strict;

my $src = "/usr/local/modperl-docs";

umask 0002;

my $HOME = $ENV{HOME};
$ENV{PATH} = "/sbin:/bin:/usr/sbin:/usr/bin:/usr/games:/usr/local/bin:/usr/X11R6/bin:$HOME";

$ENV{PERL5LIB} = "$HOME/lib/perl5/5.00503:$HOME/lib/perl5/site_perl/5.005:$HOME/lib/perl5/site_perl:$HOME/lib/perl5";

$ENV{MODPERL_SITE} = 'http://theoryx5.uwinnipeg.ca/modperl';

$ENV{SWISH_BINARY_PATH} = '/usr/local/bin/swish-e';

chdir $src;
# Do different things depending on our name
my ($name) = $0 =~ m|([^\s/]+)$|;

my $reindex = $name =~ /index/ ? 1 : 0;

my $flags = '';
$flags .= 'f' if $name =~ /force/;
$flags .= 'd' if $name =~ /pdf/;
$flags = $flags ? "-$flags" : "";

system("svn up >/dev/null 2>&1");

system("bin/build $flags");

system("bin/makeindex") if $reindex;

```

Next, create the symlinks:

```

% ln -s /usr/local/modperl-docs/bin/site_build \
  /usr/local/modperl-docs/bin/site_build_force_pdf_index
% ln -s /usr/local/modperl-docs/bin/site_build \
  /usr/local/modperl-docs/bin/site_build_index
% ln -s /usr/local/modperl-docs/bin/site_build \
  /usr/local/modperl-docs/bin/site_build_pdf_index

```

And finally install the crontab:

```

# every monday rebuild all, including pdf
30 03 * * 1 /usr/local/modperl-docs/bin/site_build_force_pdf_index
# update all (only changes/no pdf) every 6 hours
15 6,12,18 * * * /usr/local/modperl-docs/bin/site_build_index
# update all (only changes and pdfs) once a day
15 0 * * * /usr/local/modperl-docs/bin/site_build_pdf_index

```

5.7 Maintainers

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

- the documentation mailing list

5.8 Authors

- Per Einar Ellefsen <per.einar (at) skynet.be>

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

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