

Custom Modules

Overview

Custom Apache and PHP modules, also known as "Opt Mods" and "optmods", add features to the EasyApache system. You can access these modules from the command line and the WHM interface. EasyApache will compile these custom modules, as well the other modules you select, into PHP and Apache.

Important:
EasyApache 4 (EA4) does **not** use optmods.

Before you begin

You can find documentation about custom modules for your server in the following locations:

- WHM — Navigate to the *cPanel::Easy Framework POD* documentation in EasyApache 3's *Help* interface (*Home >> Software >> EasyApache 3 >> Help*).
- Command Line — `/usr/local/cpanel/scripts/easyapache --perldoc`

Notes:

- If you experience problems when you build Apache with custom modules, run the `/usr/local/cpanel/scripts/easyapache --skip-custom-optmods` command. This command causes EasyApache to build Apache and PHP without any custom modules. If Apache and PHP successfully build without the custom modules, then you must correct or omit the custom modules.
- This command is also available in the EasyApache *Help* section of the WHM interface.

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Tomcat

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Important:
EasyApache 3 does **not** support new installations of Tomcat.

As of cPanel & WHM version 76, EasyApache 4 now supports Tomcat 8.5. For more information, read our [Tomcat documentation](#).

Install a custom module

To install a custom module, perform the following steps on the command line as the `root` user:

1. Download the custom module archive file to your computer.

2. With your preferred file transfer method, upload the custom module's archive file to your server's `/var/cpanel/easy/apache/custom_opt_mods/` directory.
3. Decompress and unarchive the file with the following command, where `$NAME.tar.gz` represents the name of the optmod's archive file:

```
tar -C /var/cpanel/easy/apache/custom_opt_mods -xvf $NAME.tar.gz
```

Important:

To enable a custom module, you **must** select the module in the *Exhaustive Options List* section of the [EasyApache 3](#) interface (*Home >> Software >> EasyApache 3*).

Remove a custom module

To remove a custom module from the server, delete the files associated with that custom module. This action will remove the custom module from all future builds and the EasyApache interface.

Available modules

Warning:

cPanel does **not** provide support for custom modules.

Module	Description	Custom module filename	Links
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mod_frontpage	<p>This custom module enables FrontPage™ extensions.</p> <div style="border: 1px solid red; padding: 10px;"> <p>Warnings:</p> <ul style="list-style-type: none"> • We strongly recommend that you do not install FrontPage. Microsoft® discontinued support for FrontPage extensions on Linux servers in 2006. • We recommend that you publish content with a different method, such as FTP or WebDAV. • Exercise caution if you install FrontPage extensions, as they have been known to cause security issues. • FrontPage is only compatible with Apache version 2.2. • FrontPage is not compatible with mod_ruid2. If you enable mod_ruid2, you must remove mod_frontpage. • mod_frontpage is not compatible with the MPM ITK. If you enable the MPM ITK, you must remove mod_frontpage. </div>	custom_opt_mod-frontpage-20140912.tar.gz	Download
mod_geoIP	This module searches for the IP address of the client web user in the GeoIP database.	custom_opt_mod-mod_geoip.tar.gz	Download Information
mod_wsgi	This module embeds the Python™ interpreter into Apache for faster Python applications.		Information
GD with JIS-mapped Japanese font support	This module provides JIS-mapped Japanese font support for the GD library under PHP5.	custom_opt_mod-php5-gd_jis_mapped_japanese_font_support.tar.gz	Download
Turkish locale patch for PHP5	This module improves PHP5 support for the Turkish locale.	custom_opt_mod-php5-turkish_locale_patch.tar.gz	Download

PHP5 . 2	<p>This custom module allows you to use PHP version 5.2. You may use this module with mod_ruid2 and Apache version 2.2.</p> <div data-bbox="337 247 634 1142" style="border: 1px solid red; padding: 5px;"><p>Warnings:</p><ul style="list-style-type: none">• We strongly recommend that you do not install PHP 5.2. Installation of this module is at your own risk with no support provided. PHP 5.2 reached end of life on January 6, 2011.• You should only use this module to upgrade to a more recent version of PHP.• This module is not compatible with FCGI.• Select only one of the PHP 5.2 modules. If you extract both modules, the last one you extract will overwrite the other.• If you use this module, EasyApache will ignore the PHP options you select from the <i>Exhaustive Options List</i> stage of the EasyApache interface.</div>	custom_opt_mod-PHP5217update.tar.gz	Download
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PHP5.2 with FCGI	<p>This custom module includes PHP version 5.2 and FCGI. You may use this module with Apache version 2.2.</p> <div style="border: 1px solid red; padding: 5px;"> <p>Warnings:</p> <ul style="list-style-type: none"> • We strongly recommend that you do not install PHP 5.2. Installation of this module is at your own risk with no support provided. PHP 5.2 reached end of life on January 6, 2011. • You should only use this module to upgrade to a more recent version of PHP. • This module is not compatible with mod_ruid2. • Select only one of the PHP 5.2 modules. If you extract both modules, the last one that you extract will overwrite the other. • If you use this module, EasyApache will ignore the PHP options you select from the <i>Exhaustive Options List</i> stage of the <i>EasyApache</i> interface. </div>	custom_opt_mod-PHP5217update-fastcgi.tar.gz	Download
suPHP PAM patch	This module allows you to use limits (/etc/security*.conf) with suPHP.	custom_opt_mod-suphp_pam_patch.tar.gz	Download Information
mod_reqtimeout	This module allows you to mitigate Slowloris attacks.	custom_opt_mod-reqtimeout.tgz	Download Information
mod_remoteip	This module replaces the original client IP address with the useragent IP address that is configured with the RemoteIPHeader directive.	custom_opt_mod-remoteip.tgz	Download Information
mod_pagespeed	This module allows you to install the mod_pagespeed module via EasyApache.	Module maintained at https://github.com/pagespeed/cpanel	Download Information
Phalcon	This module allows you to install the Phalcon PHP framework. For more information on the Phalcon PHP framework, visit the Phalcon website.	Module maintained at https://github.com/thecpaneladmin/EA-PhalconPHP	Download Information