

# Raw Opts

## Overview

**Warning:**

Modified raw opts can result in a non-functional Apache build. cPanel, Inc. assumes no responsibility for custom changes, nor do we provide any warranty for what you do with this information. Proceed with caution.

Raw opts (or custom configure flags) are lines of data that advanced users can add to a specific file on the server to customize the configuration of the `make` command, Apache, PHP, or ModSecurity™. EasyApache allows you to specify any configuration options that the `make` command, Apache, PHP, or ModSecurity supports.

## Raw Opts

The following list contains the correct filenames for ModSecurity™, the `make` command, and for each version of Apache and PHP for which you can configure flags:

**Important:**

You **must** manually create the following files in the `/var/cpanel/easy/apache/rawopts` directory before you [add a custom flag](#).

- For **Apache 2.2** — `/var/cpanel/easy/apache/rawopts/Apache2_2`
- For **Apache 2.4** — `/var/cpanel/easy/apache/rawopts/Apache2_4`
- For all **PHP 4** versions — `/var/cpanel/easy/apache/rawopts/all_php4`
- For all **PHP 5** versions — `/var/cpanel/easy/apache/rawopts/all_php5`
- For **Mod\_suPHP** — `/var/cpanel/easy/apache/rawopts/all_suphp`
- For a **specific PHP Version** — `/var/cpanel/easy/apache/rawopts/PHP-X.X.X`
- For **ModSecurity** — `/var/cpanel/easy/apache/rawopts/ModSecurity`
- For the `make` command — `/var/cpanel/easy/apache/rawopts/make`

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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](#).

## Add a custom flag

To add a custom flag, perform the following steps:

1. Create the file that corresponds to the version of Apache or PHP that will receive the custom flag.
2. In the file, enter the flag that you wish to add.
  - EasyApache parses the flag and formats the options properly before it adds them to the data structure.
3. Save your changes.

## Example of Custom Flag with data

**Note:**

Enter only one item per line.

```
--with-module  
--path-to-module=/usr/bin/module  
--my-option=
```

This data results in the following command-line structure:

```
--with-module --path-to-module=/usr/bin/module --my-option
```

## Raw opts with Apache 2.4

If you use raw opts to add statically-compiled functionality into the Apache binary, then you **must** change the `--with-module` flag to the `--with-module=static` flag. The module will not compile if `=static` is not included.

## Raw opts with ModSecurity

If you use raw opts to call the fuzzyHash operator in ModSecurity, you **must** install `ssdeep`. You **must** also add the `--with-ssdeep=<path /to/ssdeep>` flag to your raw opts file. If you do **not** include this, the operator will **not** function.

## Raw opts with the make command

EasyApache passes the `-j2` option by default if your system uses more than one core. Set options in this file to compile EasyApache with a different number of cores.

**Note:**

If this file does not exist or is empty, EasyApache uses its default behavior.

## How to skip your raw opts

If you experience problems with your Apache builds, you can skip your raw opts before build time. This can be useful for troubleshooting purposes.

To skip your raw opts with the command line interface, perform the following steps:

1. Run the following script before you issue the build command:

```
/scripts/easyapache --skip-rawopts
```

Rebuild Apache with the `/scripts/easyapache` script.

To skip your raw opts with the WHM interface, perform the following steps:

1. Click the *Help* link.
2. Select the *Do not use raw opts support* checkbox.
3. Click *Submit*.
4. Return to the previous screen and build the profile.

If the build completes successfully, you **must** reconfigure or omit your raw opts.