

# EasyApache 4 - Create a Profile

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## Overview

This document discusses how to create an EasyApache 4 profile.

**Note:**

The system strips the prefix from the package name when it displays in WHM's *EasyApache 4* interface ( *WHM >> Home >> Software >> EasyApache 4* ).

## About EasyApache 4 profiles

While EasyApache 4 provides a number of profiles that will suit most needs, you may wish to create your own to further customize your server. EasyApache 4 profiles use the JSON file format.

To create a profile, you use one of the following methods:

- Convert your existing configuration to a profile.
- Click *Save as profile* during the EasyApache 4 configuration process.
- Download and customize one of the cPanel-provided profiles.
- Create your own by hand and either upload it or create it directly on the server.

## Convert to profile

**Note:**

This option **only** exists in cPanel & WHM version 66 or higher.

You can convert an existing configuration into a profile. This allows you to easily configure your profile in the interface and then save it.

To convert your existing configuration into a custom profile, perform the following steps:

1. Click *Convert to profile* in the *Currently Installed Packages* section of WHM's *EasyApache 4* interface ( *WHM >> Home >> Software >> EasyApache 4* ).
2. Enter the name of your profile in the *Name* text box. The EasyApache 4 interface will display this name.
3. Enter the filename of your profile in the *Filename* text box. Do **not** include an extension.

**Note:**

You **cannot** enter a file name of `.` or `..`, or a file name that contains the `/` or NUL character.

4. Enter a description for your profile, if desired, in the *Description* text box. The interface will display this description.
5. Enter any tags that you want to use, separated by commas, in the *Tags* text box.
6. If you want to overwrite an existing profile of the same name, select the *Overwrite an existing profile* checkbox.
7. Click *Convert*.

Your new profile will save to the `/etc/cpanel/ea4/profiles/custom` directory.

**Note:**

You can also use the scripts in the [ea-cpanel-tools](#) RPM, but this does **not** provide as many options.

## Save as profile

**Note:**

This option **only** exists in cPanel & WHM version 66 or higher.

You can save a new profile at any point during the EasyApache 4 configuration process. This allows you to easily configure your profile in the interface and then save it.

To save your configuration as a profile, perform the following steps:

1. Click *Save as profile* at any point during the EasyApache 4 configuration process.
2. Enter the name of your profile in the *Name* text box. The EasyApache 4 interface will display this name.
3. Enter the filename of your profile in the *Filename* text box. Do **not** include an extension.

**Note:**

You **cannot** enter a file name of `.` or `..`, or a file name that contains the `/` or NUL character.

4. Enter a description for your profile, if desired, in the *Description* text box. The interface will display this description.
5. Enter any tags that you want to use, separated by commas, in the *Tags* text box.
6. If you want to overwrite an existing profile of the same name, select the *Overwrite an existing profile* checkbox.
7. Click *Save*.

Your new profile will save to the `/etc/cpanel/ea4/profiles/custom` directory.

## Upload a file

**Note:**

- This option **only** exists in cPanel & WHM version 64 or higher.
- We **strongly** recommend that you download a current EasyApache 4 profile and modify it to meet your needs. You can download an existing profile by clicking on *Download* next to your desired profile in WHM's *EasyApache 4* interface (*WHM >> Home >> Software >> EasyApache 4*). If you download an existing profile, it will already exist in JSON format.

You can create a profile and then upload it in the *EasyApache 4* interface (*WHM >> Home >> Software >> EasyApache 4*). This ensures that your profile saves to the proper location and that a file does **not** already exist with the selected file name. All custom profiles save to the `/etc/cpanel/ea4/profiles/custom` directory.

## Example profile

Your EasyApache 4 profile file **must** use the JSON file format, and resemble the following example:

```

{
  "version": "1.2",
  "name": "SuperHost Profile",
  "tags": [
    "Apache 2.4",
    "PHP 7.0",
    "tomorrow comes knocking",
    "..."
  ],
  "desc": "This profile will allow you to have super high density on your system",
  "pkgs": [
    "ea-mod_xyz",
    "ea-php70",
    "ea-php71",
    "ea-your_frog",
    "..."
  ]
}

```

Your profile must contain the following keys:

Key	Type	Description	Example
version	<i>integer</i>	The profile's version.	1.2
name	<i>string</i>	The profile name that WHM displays.	SuperHost Profile
tags	<i>array of strings</i>	A list of tags that WHM displays.	Apache 2.4, PHP 7.0
desc	<i>string</i>	A description of the profile that WHM displays.	This profile will allow you to have super high density on your system
pkgs	<i>array of strings</i>	The packages in the profile.	ea-php70, ea-php71

## Create an EA4 profile directly on the server

**Remember:**

You can upload a file from the EasyApache 4 interface on a system that runs cPanel & WHM version 64 or higher.

1. Navigate to the `/etc/cpanel/ea4/profiles/custom` directory.

**Important:**

You **must** save your custom profiles in the `/etc/cpanel/ea4/profiles/custom/` directory. The system uniquely uses the `/etc/cpanel/ea4/profiles/cpanel` and `/etc/cpanel/ea4/profiles/vendor` directories. Files in these directories may work initially if you use them, but may disappear or not function as you might expect.

2. With a text editor, create a JSON file with your preferred settings. For more information about file format, read the [JSON](#) section.
3. After you create the JSON file and save your changes, check for proper syntax with the following command, where `custom_profile_name.json` represents your JSON file:

```

/usr/local/cpanel/3rdparty/perl/522/bin/json_pp -t null <
custom_profile_name.json

```

**Note:**

The tool accepts the following options:

- The `-f` flag passes the file's input format. For example, `json`.
- The `-t` flag passes the file's output format. For example, `dumper`.
- The `-json_opt` flag passes format options in which to print information to the `JSON:PP` module (for example, `pretty`).

For more information, read [cpan.org's JSON:PP command utility](#) documentation.

If the command does **not** return output, your JSON file's syntax is correct.

4. Navigate to WHM's [EasyApache 4](#) interface (*WHM >> Home >> Software >> EasyApache 4*) and verify that your profile appears.

## Create a default profile for a fresh cPanel & WHM install

You can preconfigure your EasyApache 4 profile before you install cPanel & WHM version 58 or higher on your server.

To preconfigure your profile, create the `/etc/cpanel_initial_install_ea4_profile.json` file.

The system will install this profile and then copy it to the `/etc/cpanel/ea4/profiles/custom/` directory when the system completes the installation.

**Warning:**

You **must** create this profile as a valid JSON file **and** a valid EasyApache 4 profile. If your JSON file contains errors, no data, or the installation fails, the system installs the *cPanel Default EasyApache 4* profile.

## Additional documentation

Suggested documentation [For cPanel users](#) [For WHM users](#) [For developers](#)

- [EasyApache 4 Release Notes](#)
- [EasyApache 4 Change Log 2018](#)
- [Multi-Processing Modules - MPMs](#)
- [Advanced Apache Configuration](#)
- [How to Locate and Install a PHP Version or Extension](#)

## Content by label

There is no content with the specified labels



- [EasyApache 4 Release Notes](#)
- [EasyApache 4 Change Log 2018](#)
- [Multi-Processing Modules - MPMs](#)
- [Advanced Apache Configuration](#)
- [How to Locate and Install a PHP Version or Extension](#)

- WHM API 1 Functions - `php_get_old_fpm_flag`
- WHM API 1 Functions - `php_set_old_fpm_flag`
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