

How to Install or Uninstall EasyApache 4

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Important:

This document **only** applies to cPanel & WHM version 76 or earlier. You **must** migrate to EasyApache 4 before you can upgrade to cPanel & WHM version 78.

Overview

The *EasyApache 4 Migration Tool* allows you to migrate to EasyApache 4. You can access the *EasyApache 4 Migration Tool* feature from the *EasyApache 3* interface (*WHM >> Home >> Software >> EasyApache 3*). You can also use the EasyApache 4 migration script from the command line.

For more information about the migration process, read our [The EasyApache 3 to EasyApache 4 Migration Process](#) documentation.

Important:

- We will deprecate EasyApache 3 on December 31, 2018. To migrate to EasyApache 4, click the *EasyApache 4 Migration Tool* link at the top of the *EasyApache 3* interface (*WHM >> Home >> Software >> EasyApache 3*). If you do **not** upgrade to EasyApache 4, you **cannot** upgrade to cPanel & WHM version 78.
- You can not migrate to or revert from EasyApache 4 on a system that runs cPanel & WHM version 78 or later.
- You can only migrate a system that runs Tomcat in cPanel & WHM version 76 or above. For more information, read our [Tomcat](#) documentation.
- This section of the interface **only** exists in cPanel & WHM version 60 or later. In cPanel & WHM version 70 through 76, you **must** use the [EasyApache 4 migration script](#) if you wish to revert.
- In cPanel & WHM versions 60 through 66, this section of the interface will **not** appear unless you select either the *EDGE* or *CURRENT* tier in WHM's [Update Preferences](#) interface (*WHM >> Home >> Server Configuration >> Update Preferences*). If you wish to migrate from EasyApache 3 to EasyApache 4 and you select either the *RELEASE* or *STABLE* tiers, you **must** use the `/usr/local/cpanel/scripts/migrate_ea3_to_ea4` script.

Requirements

Operating systems

In cPanel & WHM version 56 and later, EasyApache 4 supports all of [cPanel & WHM's supported operating systems](#).

Settings

You **must** activate the `RPMUP` setting if you install EasyApache 4 on your system. The system enables this setting by default. To do this, perform one of the following steps:

- Open the `/etc/cpupdate.conf` file and set the `RPMUP` key's value to `daily`. For more information, read our [The cPanel Update Configuration File - cpupdate.conf](#) documentation.
- In WHM's [Update Preferences](#) interface (*WHM >> Home >> Server Configuration >> Update Preferences*), set the *Operating System Package Updates* setting to *Automatic*.

Apache and PHP

EasyApache 4 **only** supports Apache version 2.4.

EasyApache 4 supports PHP versions 5.4, 5.5, 5.6, 7.0, 7.1, and 7.2.

Important:

- Each time that you perform a migration from EasyApache 3 to EasyApache 4, the system moves the `/usr/local/apache/` directory to the `/usr/local/apache.ea3/` directory.
 - If the `/usr/local/apache.ea3` directory exists, the system moves the `/usr/local/apache/` directory to the `/usr/local/apache.ea3.1/` directory.
 - If the `/usr/local/apache.ea3.1` directory exists when you run a migration, the migration **will fail** in order to prevent loss of data.
- The chance of errors dramatically increases if you migrate your system multiple times. If you revert several times, you **must** manually delete the previous `/usr/local/apache.ea3.1/` backup directory to continue. The system automatically preserves the `/usr/local/apache/` directory.

Migrate from EasyApache 3 to EasyApache 4

cPanel & WHM versions 60 through 76 cPanel & WHM versions 52 through 58

Warning:

EasyApache 3 **blocks** cPanel & WHM version 78 and higher. You **must** migrate to EasyApache 4 in cPanel & WHM version 76 or earlier.

To migrate your server from EasyApache 3 to EasyApache 4, perform the following steps:

1. Navigate to the [EasyApache 4](#) interface (*WHM >> Home >> Software >> EasyApache 4*).
2. Click *Migrate*. A confirmation message will appear.
3. To confirm that you wish to migrate, click *Yes, run EasyApache 4 Migration*. The system will start the EasyApache 4 migration and display the progress log. For more information about the migration process, read our [The EasyApache 3 to EasyApache 4 Migration Process](#) documentation.
4. Click *Done*. You can also download the progress log for your records.

Notes:

- If your system runs CloudLinux™ and you experience difficulty with the conversion, you may need to run the [CloudLinux conversion script](#) to migrate your system.
- If your system runs Tomcat, you **must** use cPanel & WHM version 76 to migrate to EasyApache 4.
- If your system uses the FCGId Apache module, you **must** use cPanel & WHM version 76 to migrate to EasyApache 4.
- If your system uses the FCGId Apache module **and** your system runs CloudLinux, you **must** disable the FastCGI option in EasyApache 3 before you start the migration.
- On systems that do **not** run CloudLinux, if you receive a message that you must install the [Experimental Repository](#), you **must** install the repository with the `yum install ea4-experimental` command, then attempt to migrate the server again.

Servers that run cPanel & WHM versions 52 to 58 **must** use the [EasyApache 4 migration script](#).

Revert to EasyApache 3 from EasyApache 4

Important:

- You can **only** uninstall EasyApache 4 if you migrated your system from EasyApache 3.
- You **cannot** revert to EasyApache 3 if your system runs cPanel & WHM version 78 or later.
- This action reverts the system to your previous EasyApache 3 installation and configuration.
- This action attempts to move the Apache files to a new location and revert the server to the previous state.

cPanel & WHM versions 70 through 76 cPanel & WHM versions 60 through 68 cPanel & WHM versions 52 through 58

To revert your system to EasyApache 3 from EasyApache 4, you **must** use the [EasyApache 4 migration script](#).

To revert your system to EasyApache 4 from EasyApache 4, perform the following steps:

1. Navigate to the [EasyApache 3](#) interface (*WHM >> Home >> Software >> EasyApache 3*).
2. Click *Revert*. A confirmation message will appear.
3. To confirm that you wish to revert, click *Yes, run EasyApache 4 Revert*. The system will start the EA4 reversion and display the progress log.
4. Click *Done*. You can also download the progress log for your records.

To revert your system to EasyApache 3 from EasyApache 4, you **must** use the [EasyApache 4 migration script](#).

Migrate your system on the command line

Use the `/usr/local/cpanel/scripts/migrate_ea3_to_ea4` script to install or uninstall EasyApache 4 on the command line.

Migrate to EasyApache 4

1. Log in to your server via SSH.
2. Run the following command as the `root` user:

```
/usr/local/cpanel/scripts/migrate_ea3_to_ea4 --run
```

Notes:

- If your system runs CloudLinux™, the `migrate_ea3_to_ea4` script downloads and runs CloudLinux's [EasyApache 4 migration script](#).
- If your system runs CloudLinux, you **cannot** use options (for example, the `--install_profile` option) with the EasyApache 4 migration script.
- If your system runs CloudLinux, you **must** disable the FastCGI option in EasyApache 3 before you run the migration script.
- As the migration script runs, the `/scripts/migrate_ea3_to_ea4` script copies the `/usr/local/lib/php.ini` file to the `/opt/cpanel/ea-php??/root/etc/php.d/php.ini` file and to all installed `ea-php` versions on your server. To prevent complications, the system comments out lines that resemble the following lines:
 - `extension=`
 - `extension_dir=`
 - `zend_extension=`
- The system does **not** adjust any other lines.
- On systems that do **not** run CloudLinux, if you receive a message that you must install the [Experimental Repository](#), you **must** install the repository with the `yum install ea4-experimental` command, then attempt to migrate the server again.

3. The system displays the changes that will occur. To continue, follow the system's instructions.

Revert to EasyApache 3

Remember:

You can **only** uninstall EasyApache 4 if you migrated your system from EasyApache 3.

1. Log in to your server via SSH.
2. Run the following command as the `root` user:

```
/usr/local/cpanel/scripts/migrate_ea3_to_ea4 --revert --run
```

3. Follow the system's instructions.

Arguments

The `migrate_ea3_to_ea4` script accepts the following arguments:

Argument	Description
<code>--run</code>	<p>Run the script.</p> <div style="border: 1px solid red; padding: 5px; margin-top: 10px;"> <p>Important: You must include the <code>--run</code> option.</p> </div>
<code>--help</code>	Display the help information.
<code>--revert</code>	Revert the system to the previous version and configuration.
<code>--skip_convert</code>	Do not convert and install the EasyApache 3 profile. This flag installs the EasyApache 4 cPanel <i>Default Profile</i> unless you use the <code>--inst all_profile</code> flag.
<code>--install_profile</code>	<p>Do not convert the EasyApache 3 profile. Instead, install the specified profile.</p> <div style="border: 1px dashed blue; padding: 10px; margin-top: 10px;"> <pre style="margin: 0;">/scripts/migrate_ea3_to_ea4 --run --install_profile /path/to/profile</pre> </div>
<code>--convert_fail</code>	<p>When you convert an EasyApache 3 profile to an EasyApache 4 profile, this flag prevents execution of the script's error-correction code.</p> <div style="border: 1px solid red; padding: 5px; margin-top: 10px;"> <p>Warning: This may cause a failure when you provision your system. However, you may wish to use this flag for tests.</p> </div>
<code>--allow-unsafe-amount-of-tomcat-users</code>	<p>Migrate a system that possesses more than five Tomcat users.</p> <div style="border: 1px solid yellow; padding: 5px; margin-top: 10px;"> <p>Notes:</p> <ul style="list-style-type: none"> This flag only exists on systems that run cPanel & WHM version 76 or higher. Tomcat consumes a high amount of memory. Make certain that your system possesses enough memory before you perform this action. </div>
<code>-y --y -yes --yes</code>	Answer yes to all of the script's yes-or-no questions.
<code>--force</code>	<p>When you add the <code>--force</code> argument to the <code>--run</code> or <code>--revert</code> arguments, the system ignores the protection checks.</p> <div style="border: 1px solid red; padding: 5px; margin-top: 10px;"> <p>Warning: This may cause a failure when you provision your system.</p> </div>
<code>--reinstall</code>	Yum attempts to install the required EasyApache 4 RPMs and attempts to reinstall any currently-installed EasyApache 4 packages.

Additional documentation

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

- [EasyApache 4 Migration Hooks](#)
- [The EasyApache 3 to EasyApache 4 Migration Process](#)
- [Introduction to EasyApache 4](#)
- [Current Status of EasyApache 4](#)

Content by label

There is no content with the specified labels



- [How to Install or Uninstall EasyApache 4](#)
- [How to Edit Your php.ini File](#)
- [CVE-2016-5387 HTTPoxy](#)
- [How to Deploy Java Applications](#)
- [Current Status of EasyApache 4](#)

- [UAPI Functions - LangPHP::php_get_impacted_domains](#)
- [WHM API 1 Functions - ea4_pre_migrate_check](#)
- [WHM API 1 Functions - php_fpm_config_get](#)
- [WHM API 1 Functions - php_fpm_config_set](#)
- [WHM API 1 Sections - EasyApache](#)