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Overview

This document describes how to install or uninstall EasyApache 4 on your server. You can migrate your server from EasyApache 3 to EasyApache 4 or install it manually.

You can migrate to EasyApache 4 with one of the following methods:

- Use the *EasyApache 4 Migration Tool* in WHM's *EasyApache 3* interface (*WHM >> Home >> Software >> EasyApache 3*).
- Use the `/usr/local/cpanel/scripts/migrate_ea3_to_ea4` script on the command line.

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

Important:

- We deprecated 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 **cannot** 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, 7.2, and 7.3.

The cPanel default profile includes PHP versions 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 3](#) interface (*WHM >> Home >> Software >> EasyApache*).
2. Click *EasyApache 4 Migration Tool*.
3. Click *Migrate*. A confirmation message will appear.
4. 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.
5. Click *Done*.

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 3 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 EasyApache 4 reversion and display the progress log.
4. Click *Done*.

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 interface displays the changes that will occur. To continue, follow the interface'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
--run	Run the script. <div style="border: 1px solid red; padding: 5px; margin-top: 10px;">Important: You must include the --run option.</div>
--help	Display the help information.
--revert	Revert the system to the previous version and configuration.
--skip_convert	Do not convert and install the EasyApache 3 profile. This flag installs the EasyApache 4 cPanel <i>Default Profile</i> unless you use the --inst_all_profile flag.
--install_profile	Do not convert the EasyApache 3 profile. Instead, install the specified profile. <div style="border: 1px dashed blue; padding: 10px; margin-top: 10px;"><pre>/scripts/migrate_ea3_to_ea4 --run --install_profile /path/to/profile</pre></div>
--convert_fail	When you convert an EasyApache 3 profile to an EasyApache 4 profile, this flag prevents execution of the script's error-correction code. <div style="border: 1px solid red; padding: 5px; margin-top: 10px;">Warning: This may cause a failure when you provision your system. However, you may wish to use this flag for tests.</div>
--allow-unsafe-amount-of-tomcat-users	Migrate a system that possesses more than five Tomcat users. <div style="border: 1px solid orange; padding: 5px; margin-top: 10px;">Notes:<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>
-y --y -yes --yes	Answer yes to all of the script's yes-or-no questions.
--force	When you add the --force argument to the --run or --revert arguments, the system ignores the protection checks. <div style="border: 1px solid red; padding: 5px; margin-top: 10px;">Warning: This may cause a failure when you provision your system.</div>
--reinstall	Yum attempts to install the required EasyApache 4 RPMs and attempts to reinstall any currently-installed EasyApache 4 packages.

Install EasyApache 4 on a system without Apache installed

If Apache does **not** exist on your system and you wish to install EasyApache 4, you can install it manually.

Linux operating systems Amazon Linux CloudLinux

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

```
curl https://securedownloads.cpanel.net/EA4/EA4.repo --output
/etc/yum.repos.d/EA4.repo
rpm --install https://securedownloads.cpanel.net/cPanelPublicKey.asc
yum -y install yum-plugin-universal-hooks ea-cpanel-tools
ea-profiles-cpanel
/usr/local/cpanel/bin/apache_conf_distiller --store-data --reset
mkdir -p /usr/local/apache/conf
touch /usr/local/apache/conf/httpd.conf
mkdir -p /var/cpanel/conf/apache
touch /var/cpanel/conf/apache/success
ea_install_profile --install
/etc/cpanel/ea4/profiles/cpanel/default.json
```

Note:

If you receive an error when you run the `/usr/local/cpanel/bin/apache_conf_distiller --store-data --reset` command, ignore it. This error occurs because the `httpd` binary does not yet exist.

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

```
curl https://securedownloads.cpanel.net/EA4/EA4.repo --output
/etc/yum.repos.d/EA4.repo
rpm --install https://securedownloads.cpanel.net/cPanelPublicKey.asc
yum --enablerepo=epel -y install scl-utils
perl -pi -e 's/ea4-c\$\$releasever-/ea4-c6-/' /etc/yum.repos.d/EA4.repo
yum -y install yum-plugin-universal-hooks ea-cpanel-tools
ea-profiles-cpanel
/usr/local/cpanel/bin/apache_conf_distiller --store-data --reset
mkdir -p /usr/local/apache/conf
touch /usr/local/apache/conf/httpd.conf
mkdir -p /var/cpanel/conf/apache
touch /var/cpanel/conf/apache/success
ea_install_profile --install
/etc/cpanel/ea4/profiles/cpanel/default.json
```

Note:

If you receive an error when you run the `/usr/local/cpanel/bin/apache_conf_distiller --store-data --reset` command, you can ignore it. This error occurs because the `httpd` binary does not yet exist.

1. Log in to your server via SSH.
2. Run the following commands on the command line as the `root` user, where `##` represents your operating system's version:

```
wget
https://repo.cloudlinux.com/cloudlinux/EA4/cloudlinux-ea4-release-latest-##noarch.rpm
rpm -Uh cloudlinux-ea4-release-latest-##noarch.rpm
yum -y install yum-plugin-universal-hooks ea-cpanel-tools
ea-profiles-cpanel ea-profiles-cloudlinux
/usr/local/cpanel/bin/apache_conf_distiller --store-data --reset
mkdir -p /usr/local/apache/conf
touch /usr/local/apache/conf/httpd.conf
mkdir -p /var/cpanel/conf/apache
touch /var/cpanel/conf/apache/success
ea_install_profile --install
/etc/cpanel/ea4/profiles/cloudlinux/default.json
```

Note:

If you receive an error when you run the `/usr/local/cpanel/bin/apache_conf_distiller --store-data --reset` command, you can ignore it. This error occurs because the `httpd` binary does not yet exist.

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](#)
- [PHP Options](#)
- [WHM API 1 Functions - php_set_vhost_versions](#)
- [WHM API 1 Functions - ea4_metainfo](#)
- [UAPI Functions - LangPHP::php_get_impacted_domains](#)

- WHM API 1 Functions - `ea4_pre_migrate_check`
- WHM API 1 Functions - `php_fpm_config_get`