



CCL Magento 2 Plugin Installation Guide

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System Requirements

The CCL plugin for Magento 2 should run on most standard Magento 2 installations running Magento 2 versions of 2.x or later.

Web Server

One of:

- Apache 2.2 or 2.4
- Nginx 1.7.x

PHP

The plugin is designed to function, like Magento 2, on Linux based servers running PHP 7.1-7.2.

Required PHP extensions:

- SOAP

MySQL

- MySQL 5.6 or another MySQL version compatible with Magento 2

Before Installation

The plugin will need to be purchased from the magento marketplace for

Installation

Installation can be done through Composer, the Web Setup Wizard, or manually. **The recommended installation process is through Composer if possible.**

Installation by Composer

Installation via composer is advisable for Magento 2 instances that are installed and maintained by PHP's Composer package manager. This requires shell access to the machine that Magento is running on.

You will want to make sure that you have your Magento Marketplace public and private access keys either on-hand or previously saved to an auth.json file.

1. It is recommended that you backup your database and put the site in maintenance mode before proceeding.

Database backups can be taken in a variety of ways. Magento's own backup features are disabled by default for security reasons. If you understand the risks then backup functionality can be enabled under "System > Configuration > Advanced > System > Backup Settings > Enable Backup". [See the CLI backup section of the Magento installation guide for more info.](#)

To enable maintenance mode, enter the following command:

```
php bin/magento maintenance:enable
```

2. Navigate to the Magento root directory in the shell (such as via SSH)
3. Enter the following:

```
composer require ccl/module-shipping
php bin/magento module:enable Ccl_Core Ccl_Shipping
php bin/magento setup:upgrade
php bin/magento setup:di:compile
php bin/magento setup:static-content:deploy
php bin/magento cache:flush
```

4. You may need to deploy the static content for other locales. If no locales are specified, the system will deploy for en_US only. To deploy for en_GB instead, enter:

```
php bin/magento setup:static-content:deploy en_GB
```

5. Flush the caches by entering:

```
php bin/magento cache:flush
```

6. Disable maintenance mode.

```
php bin/magento maintenance:disable
```

7. The plugin is now installed and ready to be configured.

Installation by the Web Setup Wizard

Follow the [standard installation procedures for installation via the Web Setup Wizard](#). This process requires that your server has a CRON task configured which has write access to the Magento 2 files. The system will also need to be configured to meet the requirements of the installation script. These changes should be run by your developer/server system administrator as the exact configuration could change from server to server. Changes might include:

- CRON jobs will need to be configured properly for the site.
- The “memory_limit” value in the “.user.ini” in the home directory will need to be configured to allow sufficient memory for the installation. If the memory limit is
- Magento’s built-in backup features are disabled by default for security reasons. If you understand the risks, these can be enabled. The setting can be found under “System > Configuration > Advanced > System > Backup Settings > Enable Backup”. [See the CLI backup section of the Magento installation guide for more info.](#)
- Backups can be taken with other methods, such as with the [n98-magerun2](#) script. Backups include customer data and should always be stored securely.
- If backing up the site files, the user running the CRON task will need read access to all of the site’s files.
- Some options may need to be configured under “Stores > Configuration > General > Web > Base URLs (Secure)”
 - “Enable HTTP Strict Transport Security (HSTS)” set to “Yes”
 - “Upgrade Insecure Requests” set to “Yes”

give the installation script sufficient memory (2GB is recommended) Many servers will have this, but particularly hardened or restricted environments may not. Speak to your server administrator before attempting this installation method. Generally speaking:

1. Log into your Magento admin panel
2. Navigate to “System > Tools > Web Setup Wizard”
3. Click “Extension Manager” then click “Sign In”
4. Enter the “Public Access Key” and “Private Access Key” from your Marketplace account then click Submit. Wait for the process to complete, it can take several minutes.

If you do not know your access keys, click the “Magento Marketplace account page” link.

5. Under “Extensions Ready to Install”, click Review and Install to see a list of all available extensions.
6. Locate the “CCL Shipping” extension, select the version you wish to install (probably the latest version) and click “Install”
7. The Web Setup Wizard will then progress through a 3-step process:
 - a. Readiness Check:

This makes sure your system is compatible with the plugin. Click “Next” once this completes. If it fails then you may need to speak to your server administrator regarding the failures. See the bulleted list above for common issues.
 - b. Create Backup:

It is advisable to create a backup of the database (at-least) before installation to ensure it is possible to roll-back. This can take a few minutes, and the store will be put in maintenance mode as the backup is in progress. Click “Next” once this completes.
 - c. Extension Install:

Click “Install” When you are ready to begin. Click “Back To Setup Tool” once the process completes. Click “System Configuration” then “Reset” to log out.
8. The system should eventually display a success page. The plugin is now installed and ready to be configured.

Manual Installation

For manual installation, you will need FTP/SFTP access to upload the files as well as the ability to run shell commands on the server (via SSH or similar).

1. It is recommended that you backup your database and put the site into maintenance mode before proceeding.
2. Download the extension files for the desired version from the Magento marketplace. You will need both the Ccl_Core and Ccl_Shipping modules.
 - a. Ccl_Shipping can be downloaded from the Magento Marketplace after purchase of the free module.
 - b. Please contact CCL for a copy of the Ccl_Core shared package if you need to install it manually using this method. This step is not required if installing the module following the recommended installation technique, “Installation By Composer”.
3. Extract the files from the archives
4. Connect to the server via FTP/SFTP and open the Magento 2 root directory.

5. Create the following folders relative to the Magento 2 root directory: `app/code/Ccl/Shipping` for CCL Shipping
`app/code/Ccl/Core` for CCL Core
6. Upload the extracted files to the created folders
7. In the shell, navigate to the Magento root directory.
8. Enter the following commands:

```
php bin/magento module:enable Ccl_Shipping Ccl_Core
php bin/magento setup:upgrade
php bin/magento setup:di:compile
php bin/magento setup:static-content:deploy
php bin/magento cache:flush
```

9. You may need to deploy the static content for other locales. If no locales are specified, the system will deploy for `en_US` only. To deploy for `en_GB` instead, enter:

```
php bin/magento setup:static-content:deploy en_GB
```

10. Flush the caches by entering:

```
php bin/magento cache:flush
```

11. Disable maintenance mode.
12. The plugin is now installed and ready to be configured.

Configuration

For information on the configuration and ongoing usage of the plugin, please see the user guide.