PrestaShop Developer Conference

November 6, 2024

Let's talk code, commerce and open source.







Table of Contents

How to verify your server meets PrestaShop's requirements

PHP requirements

PHP compatibility chart

Extensions

Settings

Additional requirements when using a development version of PrestaShop

Composer

NodeJS

NVM

Next article >

System requirements for PrestaShop 8

PrestaShop needs the following server configuration in order to run:

Requirement	Configuration
Web server	Apache Web Server 2.4 or any later version. (Although compatible, Apache Web Server 2.2 is not recommended since it reached its EOL in 2018).
РНР	We recommend PHP 8.1 . See the compatibility chart below for more details. (Although compatible, PHP 7.2.5 to 8.0 are not recommended since they reached their end of support.)
SQL	MySQL 5.6 minimum or MariaDB 10.0 minimum, a recent version is recommended.

Requirement	Configuration
Server RAM	The more the merrier. We recommend setting the memory allocation per script (memory_limit) to a minimum of 256M.

PrestaShop works best in Unix-based systems such as Linux and macOS, and while Windows might work, it is not actively supported.



PrestaShop can also work with Nginx 1.0 or later. More informations on settings here.

How to verify your server meets PrestaShop's requirements

You can use our system requirements tool to easily check if your environment fulfills PrestaShop's requirements. Here's how:

- 1. Download the latest version from GitHub.
- 2. Extract the zip file.
- 3. Upload the phppsinfo.php file to your server and put it inside your current shop's directory or the one where you intend to install it.
- 4. Open it up on your browser (http://your-domain.com/path-to-your-prestashop/phppsinfo.php).
- 5. Type in the login and password if prompted (use prestashop for both).

You'll get a web page detailing requirements and recommendations, and how your server does compared to them:

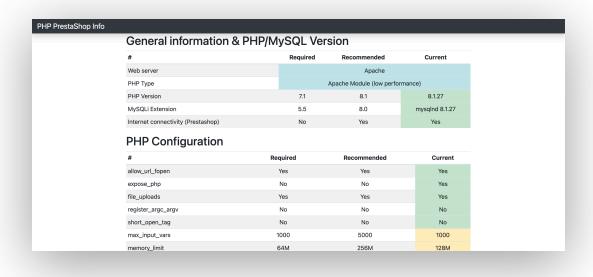


Figure: System requirements tool

PHP requirements

PHP compatibility chart



Legend:

✓ = Recommended version = Supported = Not supported

Extensions

PrestaShop needs a few additions to PHP and MySQL in order to fully work. Make sure that your PHP configuration has the following extensions and settings configured:

Extension	Description
CURL.	The Client URL extension is used to download remote resources like modules and localization packages.
DOM	The DOM extension is needed to parse XML documents. PrestaShop uses it for various functionalities, like the Store Locator. It is also used by some modules, as well as the pear_xml_parse library.
Fileinfo	The File information extension is used to find out the file type of uploaded files.
GD	The GD extension is used to create thumbnails for the images that you upload.
Iconv	The ICONV extension is used to convert character sets.
Intl	The Internationalization extension is used to display localized data, such as amounts in different currencies.
JSON	The JSON extension is used to manage JSON format.
Mbstring	The Multibyte string extension to perform string operations everywhere.
OpenSSL	The OpenSSL extension is used to improve security.
PDO	The PHP Data Objects extension is used to connect to databases.
PDO (MySQL)	The PDO_MYSQL driver is used to connect to MySQL databases.
SimpleXML	The SimpleXML extension is used to manage XML files.
Zip	The Zip extension is used to expand compressed files such as modules and localization packages.

Settings

• allow_url_fopen enabled. This directive enables PrestaShop to access remote files, which is an essential part of the payment process, among others things. It is therefore imperative to have it set to On.

Here is a section of the php.ini file (the configuration file for PHP):

```
extension = php_mysql.dll
extension = php_gd2.dll
```

```
allow_url_fopen = On
allow_url_include = Off
```

Additional requirements when using a development version of PrestaShop

Composer

PrestaShop uses Composer to manage its packages. Install it here.

NodeJS

PrestaShop uses NPM to manage frontend dependencies and Webpack to compile them into static assets. You only need NodeJS 14.x (version 16.x is recommended, you can get it here), and NPM will take care of it all.

NVM

NVM is Node Version Manager, it allows you to quickly switch between NodeJS versions on your machine. It will help you switch between NodeJS versions for Back Office or Front Office developement in PrestaShop (which uses different versions of NodeJS).

Install NVM: Github Repository.

Help and support

> Help make these docs great!

The PrestaShop Developer Documentation is open source. See something wrong or unclear? Submit a pull request.

• Improve this page

Learn how to contribute

> Still need help?

♣ Join the PrestaShop Project's Slack Chat

O Join us on Github Discussions

Find support on prestashop-project.org

■ Discover our developer's blog

Last update on 2024-06-13 by matks.

This article is licensed under the Creative Commons Attribution-ShareAlike 4.0 International License.