

PrestaShop Developer Conference

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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).
PHP	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 (<code>memory_limit</code>) to a minimum of <code>256M</code> .

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 `phpinfo.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/phpinfo.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:

PHP PrestaShop Info

General information & PHP/MySQL Version

#	Required	Recommended	Current
Web server	Apache		
PHP Type	Apache Module (low performance)		
PHP Version	7.1	8.1	8.1.27
MySQLi Extension	5.5	8.0	mysqli 8.1.27
Internet connectivity (Prestashop)	No	Yes	Yes

PHP Configuration

#	Required	Recommended	Current
allow_url_fopen	Yes	Yes	Yes
expose_php	No	No	Yes
file_uploads	Yes	Yes	Yes
register_argc_argv	No	No	No
short_open_tag	No	No	No
max_input_vars	1000	5000	1000
memory_limit	64M	256M	128M

Figure: System requirements tool

PHP requirements

PHP compatibility chart

PrestaShop Version	PHP Version						
	≤ 7.1	7.2	7.3	7.4	8.0	8.1	≥ 8.2
8.0~8.1	Not supported	Supported	Supported	Supported	Supported	Recommended	Not supported

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 <code>pear_xml_parse</code> 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 development in PrestaShop (which uses different versions of `NodeJS`).

Install NVM: [Github Repository](#).

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