

Installation Documentation on Cassandra PHP Driver

You can follow this link to install php driver for cassandra ->

<https://github.com/datastax/php-driver/blob/master/ext/README.md>

Installation Steps:

1. First install “**Apache**” server.
2. Then install PHP. I recommend to install **php 5.6** version.
3. After installing PHP restart the Apache server.
4. First check all the dependent package you have or not. If not then install the packages.

Compatibility:

1. PHP 5.6, PHP 7.0, and PHP 7.1
2. Compilers: GCC 4.1.2+, Clang 3.4+ :

a. To install Clang:

\$ sudo apt-get install clang

Dependencies: The PHP Extension depends on the following software:

1. **The C/C++ driver:** Install the latest version
 - a. Ubuntu 16.04 -

<http://downloads.datastax.com/cpp-driver/ubuntu/16.04/cassandra/v2.8.1/>

b. Ubuntu 14.04 -

<http://downloads.datastax.com/cpp-driver/ubuntu/14.04/cassandra/v2.8.1/>

2. CMake v2.6.4+

```
$ sudo apt-get install cmake
```

3. libuv 1.x

a. Ubuntu 16.04 -

<http://downloads.datastax.com/cpp-driver/ubuntu/16.04/dependencies/libuv/v1.18.0/>

b. Ubuntu 14.04 -

<http://downloads.datastax.com/cpp-driver/ubuntu/14.04/dependencies/libuv/v1.18.0/>

4. OpenSSL v1.0.x or v1.1.x

```
$ sudo apt-get install libssl-dev
```

5. Run the following Command:

a. Ubuntu 14.04 (APT)

```
$ sudo add-apt-repository ppa:ondrej/php
```

```
$ sudo apt-get update
```

```
$ sudo apt-get install build-essential cmake git  
libpcre3-dev
```

b. Ubuntu 16.04 (APT)

```
$ sudo apt-get install build-essential cmake git  
libpcre3-dev
```

6. Run the following Command:

```
$ sudo apt-get install libgmp-dev
```

5. Now, install php-cassandra driver

a. Ubuntu 14.04

<http://downloads.datastax.com/php-driver/ubuntu/14.04/cassandra/v1.3.2/>

b. Ubuntu 16.04 (APT)

<http://downloads.datastax.com/php-driver/ubuntu/16.04/cassandra/v1.3.2/>

6. Now, **Enabling the PHP extension**

a. Edit the “**php.ini**” file and add the following line to enable the extension:

```
; DataStax PHP Driver for Apache Cassandra  
extension=cassandra.so
```

7. To verify the extension is being loaded the following command can be executed:

```
$ php -i | grep -A 10 "^cassandra$"
```

```
mala@mala-OptiPlex-7040:~$ php -i | grep -A 10 "^cassandra$"  
cassandra  
  
Cassandra support => enabled  
C/C++ driver version => 2.7.0  
Persistent Clusters => 0  
Persistent Sessions => 0  
  
Directive => Local Value => Master Value  
cassandra.log => cassandra.log => cassandra.log  
cassandra.log_level => ERROR => ERROR
```