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How to Configure Memcached in Lumen Api Framework

Last Updated On: [June 24, 2017](#) | By: [Parvez](#)

Lumen is very popular, fast and light weight **api micro-framework by Laravel** using php. I have created many project on lumen framework. This tutorial help to configuration of memcached with lumen 5.1.* version.

There is no clear step by step docs available about configuration of `memcached` and uses in Lumen rest framework. I will share step by step lumen tutorial for memcached configuration with **centOS 7**, I am using below configuration of Lumen host server.

- centOS 7
- php 5.7+
- Nginx
- Lumen 5.1+

Please keep in mind do not try with windows server there is no memcached extension available for `xampp/wamp` server. You can get `memcache.so` but not `memcached.so('d')` php extension.

If you will use with windows, you will get memcached is not available *at ...line 38*. I wastage much time to find windows ext but unfortunately did not work for me. We will follow below steps to add **Memcached with Lumen**,

- Enable memcache in `.env` file
- Change configuration option in cache config file
- Install Memcached server
- Install Memcached ext for php
- Start Memcached server service
- Set and Get method to get data from Memcached cache Object

You can also check other recommended tutorials of Lumen/Laravel,

- [How to create Queue and Run Jobs using worker in Lumen/Laravel](#)
- [Laravel Micro Rest Framework – Simple Example of RESTful API in Lumen](#)

- [How to Configure Memcached in Lumen Api Framework](#)
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Lets start configuration of memcached with lumen,

Step 1: We need to update `.env` file of Lumen project and added Cache driver Memcached.

```
1 CACHE_DRIVER=memcached
```

Step 2: Copy `cache.php` file from `lumen_project\vendor\vendor\laravel\lumen-framework\config\` and put into `lumen_project\config\` folder, If config folder is not present in Lumen root create and put `cache.php` file.

Step 3: Now change value of default cache driver from array to memcached into `lumen_project\config\cache.php` file.

```
1 'default' => env('CACHE_DRIVER', 'memcached'),
```

Step 4: Now we will install memcached server on Centos and php extention.

```
1 yum -y install memcached
2
3 yum install php-pecl-memcached
```

Step 5: Now we will restart `nginx,fpm` to update `php.ini` configuration and memcached server using below Linux command.

```
1 service php-fpm restart
2
3 service memcached restart
4
5 service nginx restart
```

You can see memcached extension enabled in `phpinfo` file. If you are not getting memcached extension in `phpinfo` file then something wrong.

How to use Memcached in Lumen

Step 1: Set variable in memcached using `set()` function.

```
1 public function setMemcache() {
2     Cache::put('name', 'parvez', 15);
3 }
```

I have set *15 min* for this cache object time limit after that object will flush from Memcached.

Step 2: Set variable in Memcached using `get()` function.

```
1 /**
2 * Method to getter method for memcached
3 *
4 * @author parvez.alam
5 */
6 public static function getMemcache() {
7     echo Cache::get('name');
8 }
```

if not key available in Memcached then it will return false;

That's all for Memcached configuration and uses with Lumen,I have shared this tutorial for all Lumen api framework and Memcached lover, you can use with other php api framework as well but need to change `set ()` and `get ()` method of object as per your php api framework docs.

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```

<?xml version="1.0"?>
<root>
  <item>
    <title>How To Convert XML To Associative Array in PHP</title>
    <link>http://www.website-setup.org</link>
    <pubDate>2012-08-09</pubDate>
    <author>WebsiteSetup.org</author>
  </item>
  <item>
    <title>How to Create Dynamic Tree View Menu</title>
    <link>http://www.website-setup.org</link>
    <pubDate>2012-12-11</pubDate>
    <author>WebsiteSetup.org</author>
  </item>
</root>

```

[How To Convert XML To Associative Array in PHP](#) Aug 9, 2012

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</root>

```

[How to Create Dynamic Tree View Menu](#) Dec 11, 2012

Browser	Version	Support
Chrome	31	Yes
Firefox	24	Yes
Internet Explorer	11	Yes
Opera	17	Yes
Safari	7	Yes

[HTML5 Supported Browsers List](#) *May 24, 2012*



[Different Ways To Redirect A URLs to Another web page](#) *Sep 6, 2012*

Method	Code
Header	301
Meta	301
Script	301
Redirect	301

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[Website Login With Google or Yahoo/WordPress/OAL Account](#) *May 23, 2015*



[5 Awesome JQuery PDF Viewer Plugin](#) *Jul 25, 2013*

Plugin	Version
PDF.js	1.2
PDF.js	1.2
PDF.js	1.2
PDF.js	1.2

[How to install APC cache on WAMP Server\(Windows\) and XAMPP](#) *Jul 30, 2012*

Step	Command
1	apt-get install php5-apc
2	php5enmod apc

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