

# Epesi config.php memcached session settings

## Attention!

**nginx** users may experience **error 500** when running Epesi for the first time if it was installed using Softaculous.

To fix it edit `/data/config/php` and add near the botton:

```
define(' EPESI_DIR' , '/' );  
define("MEMCACHE_SESSION_SERVER","127. 0. 0. 1: 11211");  
define(' SESSION_TYPE' , ' memcache' );
```

## Technical details

Your `/data/config.php` file contains a directive where to store sessions. Options are:

- file
- database
- memcache

Find a section that reads:

```
define(' DIRECTION_RTL' , ' 0' );  
define(' EPESI_URL' , ' https: //YourEpesiURL' );
```

and find a line that defines how the sessions are handled:

Default: database driver

```
define(' SESSION_TYPE' , ' sql' );
```

or

```
define("MEMCACHE_SESSION_SERVER","127. 0. 0. 1: 11211");  
define(' SESSION_TYPE' , ' memcache' );
```

or

```
define(' SESSION_TYPE' , ' file' );
```

**Memcached** sessions are the fastest but you have to **make sure Memcached daemon is running and you have PHP memcached extension enabled**.

File sessions are the slowest, but easiest to setup.

For EpesiCRM on Windows via Uniserver the following settings are recommended:

```
// To improve performance
define('SESSION_TYPE','sql');
define("CACHE_COMMON_FILES",1);
```

If you experience errors in PHP with Epesi Directory, then add the following:

```
define('EPESI_DIR', '/');
```

While you are at that check if you have memcache installed. Here is a simple script that not only checks for PHP extension, but actually does a test read/write to memcache database daemon:

```
<?php

$memcache = new Memcache;
$memcache->connect("localhost",11211); # You might need to set "localhost" to "127.0.0.1"
echo "Server's version: " . $memcache->getVersion() . "<br />\n";
$tmp_object = new stdClass;
$tmp_object->str_attr = "test";
$tmp_object->int_attr = 123;
$memcache->set("key", $tmp_object, false, 10);
echo "Store data in the cache (data will expire in 10 seconds)<br />\n";
echo "Data from the cache:<br />\n";
var_dump($memcache->get("key"));

?>
```

Create a file called mctest.php and paste the above to run the test.

If you verify that memcache works - switch to it, this should give you the best performance and you will get fewer session lock errors.

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