




EXPERIMENT NO. 10

Install PHP MongoDB Driver

Download correct mongodb driver for PHP, based on your PHP version, Architecture and whether Thread Safety is enabled. You can get that information from the [phpinfo](#) page.

Do the following steps to install and configure MongoDB driver on Windows XAMPP Server.

1. Download the latest stable version of the PHP MongoDB driver from following URL <https://pecl.php.net/package/mongodb>.

Available Releases			
Version	State	Release Date	Downloads
1.3.2	stable	2017-10-30	mongodb-1.3.2.tgz (904.0kB) 
1.3.1	stable	2017-10-16	mongodb-1.3.1.tgz (904.0kB) 
1.3.0	stable	2017-09-19	mongodb-1.3.0.tgz (906.1kB) 

2. Extract the archive File.
3. Copy the `php_mongodb.dll` file from the extracted folder to the PHP extension directory. this is usually the "C:\xampp\php\ext" folder in XAMPP Server.
4. Open the `php.ini` file inside your PHP installation (C:\xampp\php) and add the following line:
`extension=php_mongodb.dll`
5. Save the file and close it. Restart the Apache web server.

Test MongoDB Connection From PHP Script

Let's write a very simple PHP program that creates a connection to the MongoDB server and dump the connection status.

Add following PHP code to your php script and access from the Web browser.

The above PHP example will output something similar to:

```
<?php
```

```
$connection = new MongoDB\Driver\Manager("mongodb://localhost:27017");
```

```
var_dump($connection);
```

```
?>
```

Result

```
object(MongoDB\Driver\Manager)#1 (2) { ["uri"]=> string(25)
"mongodb://localhost:27017" ["cluster"]=> array(1) { [0]=> array(11) {
["host"]=> string(9) "localhost" ["port"]=> int(27017) ["type"]=> int(0)
["is_primary"]=> bool(false) ["is_secondary"]=> bool(false) ["is_arbiter"]=>
bool(false) ["is_hidden"]=> bool(false) ["is_passive"]=> bool(false) ["tags"]=>
array(0) { } ["last_is_master"]=> array(0) { } ["round_trip_time"]=> int(-1) } } }
```

EXPERIMENT NO. 11

Program to connect to mongodb and insert data

Connection

```
<?php
```

```
require 'vendor/autoload.php';

$m = new MongoClient("mongodb://localhost:27017");

// connect to mongodb

echo "Connection to database successfully";

// select a database

$db = $m->test12;

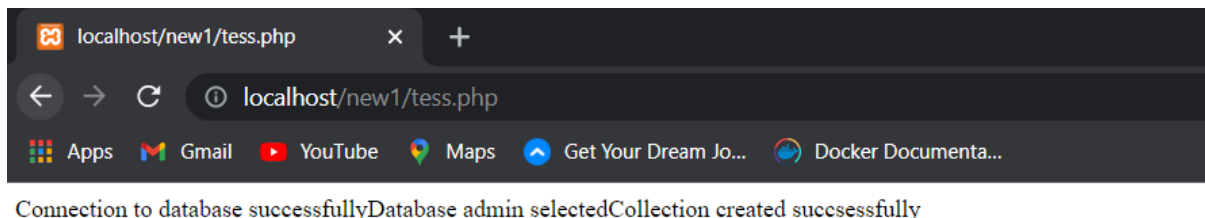
echo "Database admin selected";

$collection = $db->createCollection("sample");

echo "Collection created successfully";

?>
```

Result



Insertion

```
<?php
```

```
// connect to mongodb

require 'vendor/autoload.php';

$m = new MongoClient("mongodb://localhost:27017");

echo "Connection to database successfully";
```

```
echo " ";
```

```
$db = $m->test12;
```

```
echo "Database mydb selected";
```

```
$collection = $db->newtest;
```

```
echo "Collection selected successfully";
```

```
echo " ";
```

```
$document1 = array(
```

```
    "title" => "class",
```

```
    "description" => "students",
```

```
    "likes" => 1000,
```

```
    "url" => "http://www.apple.com/mongodb/",
```

```
    "by" => "apple"
```

```
);
```

```
$document2 = array(
```

```
    "title" => "cs",
```

```
    "description" => "stu",
```

```
    "likes" => 9000,
```

```
    "url" => "http://www.apple.com/mongodb/",
```

```
    "by" => "apple"
```

```
);
```

```
$collection->insertMany([$document1,$document2]);
```

```
echo "Document inserted successfully";
```

```
?>
```

Result

In Browser



In MongoCompass

