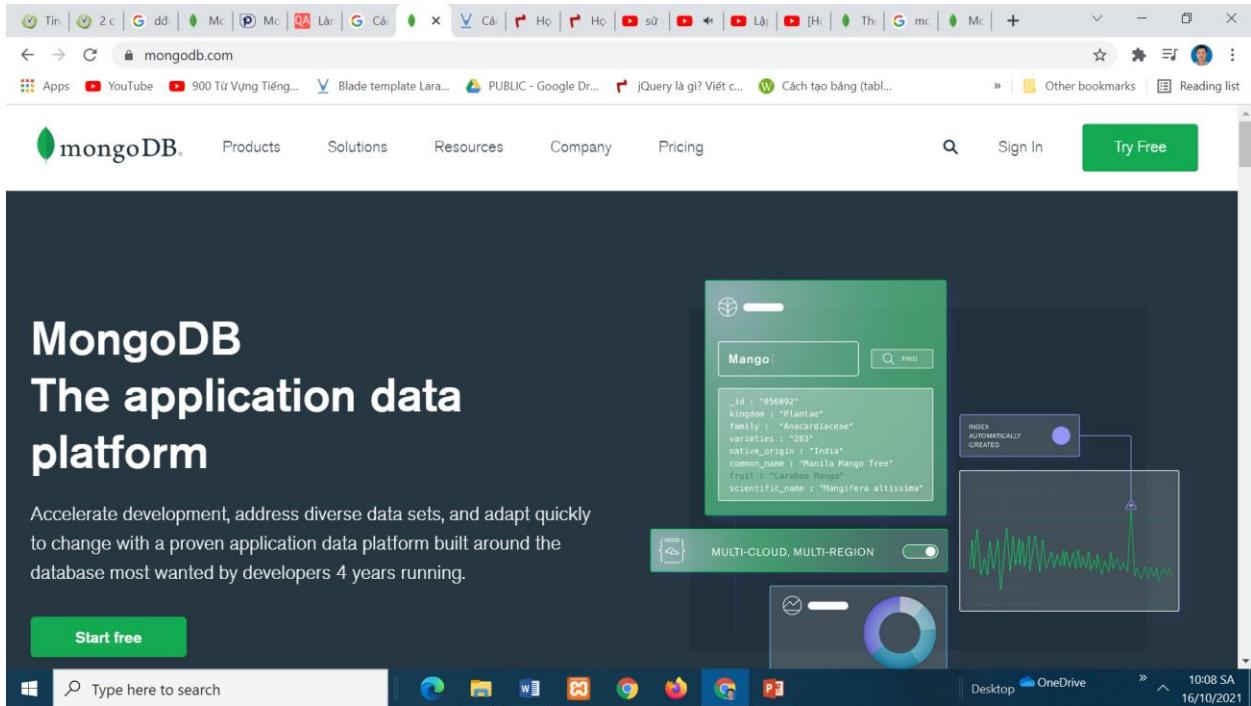
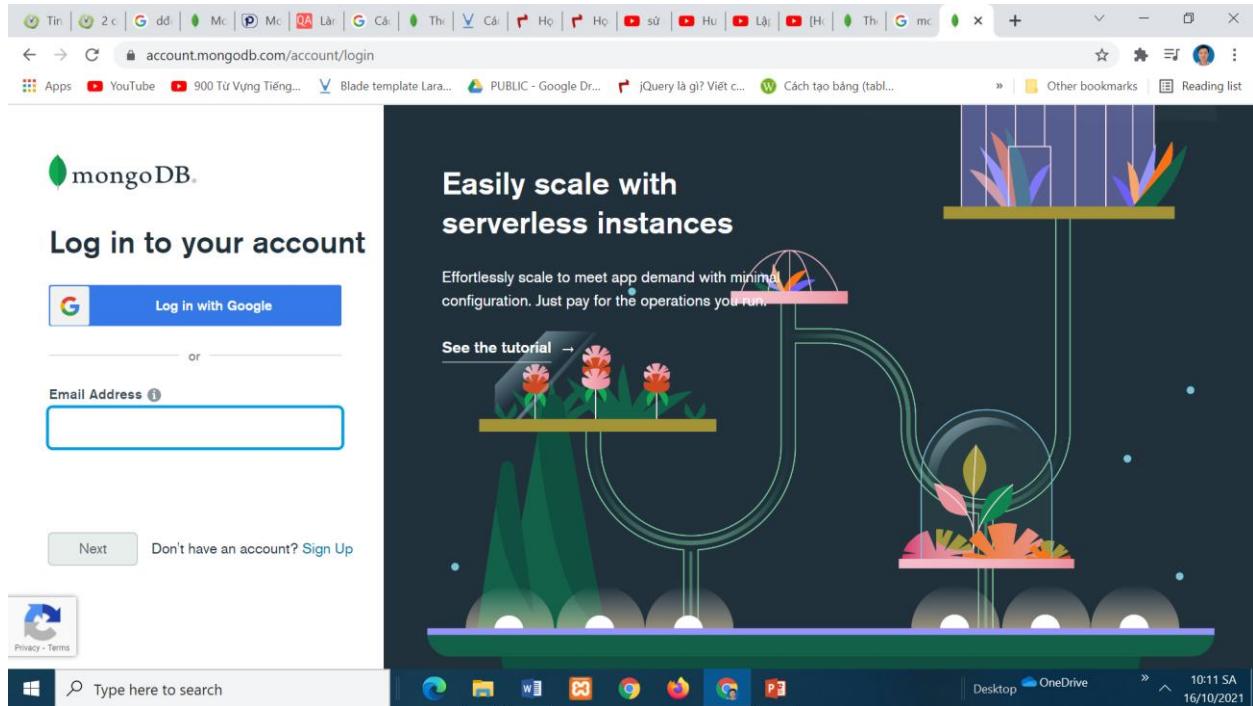


Tạo cơ sở dữ liệu MongoDB online và lập trình PHP

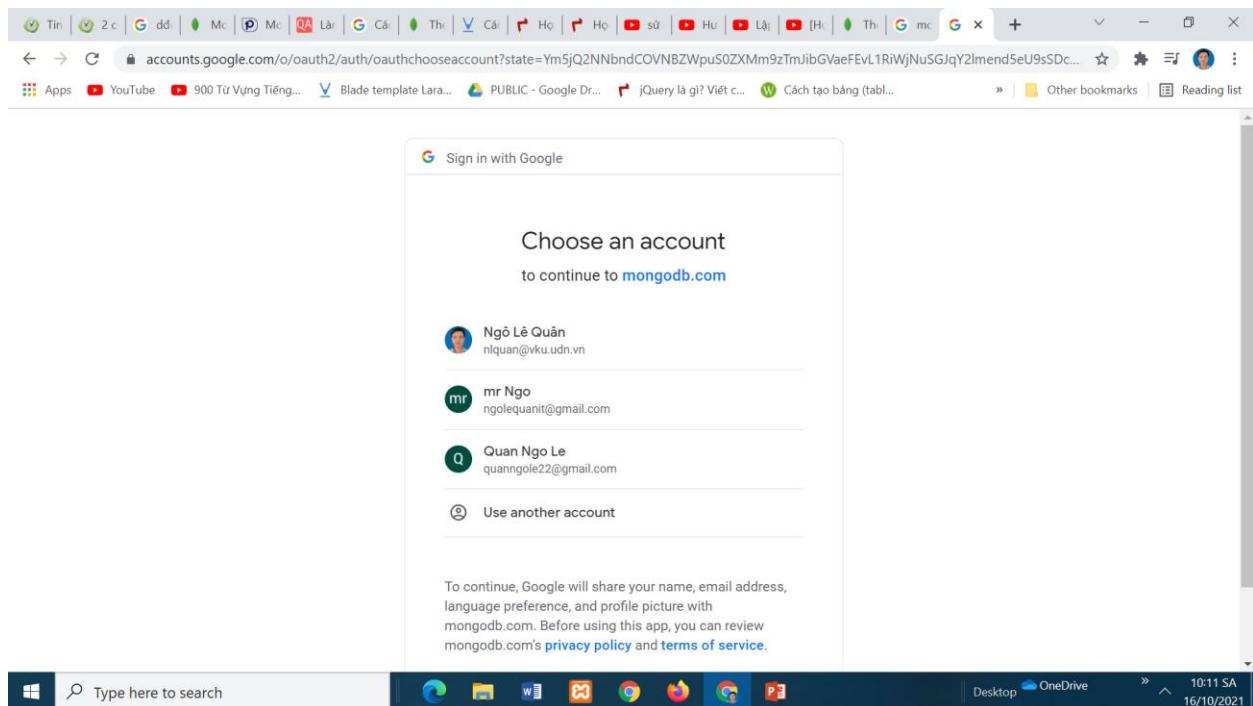
Bước 1: Đăng nhập mongodb.com

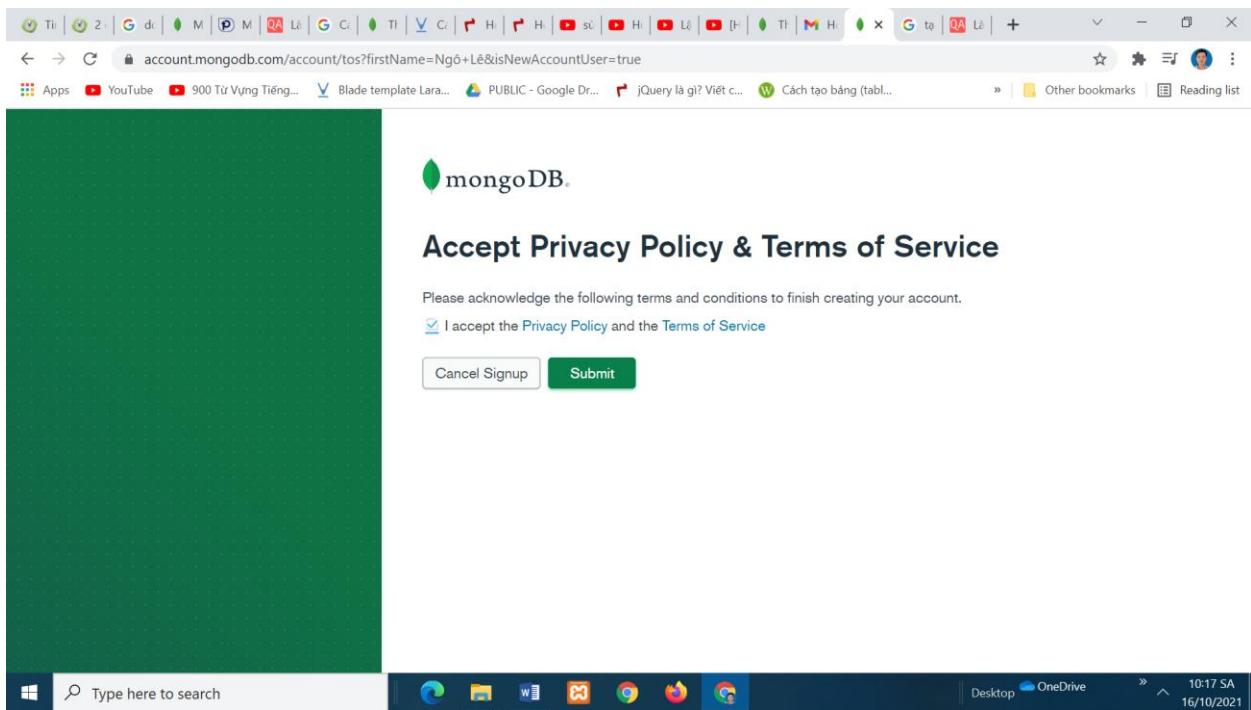


Bước 2. Có thể đăng ký hoặc dùng tài khoản gmail đã có bằng cách chọn Sign in



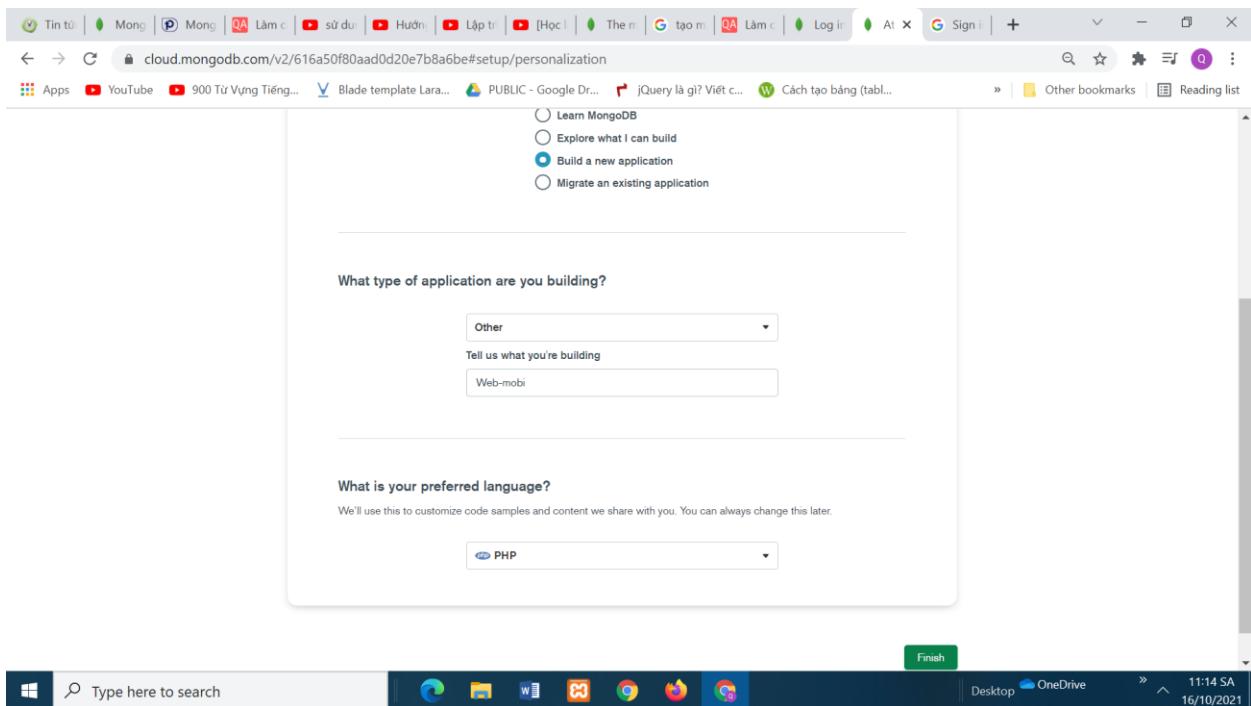
Bước 3. Chọn Log in with Google. Nên đăng nhập gmail trước. Chọn email@vku.udn.vn





Bước 5. Chọn Thông số như hình minh họa

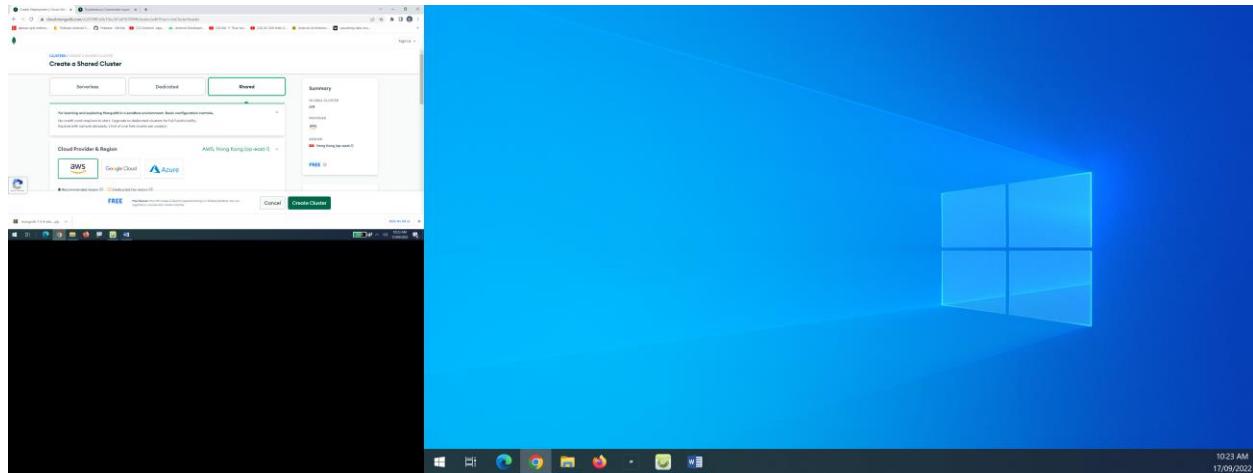
(Tạo tổ chức và tạo project)

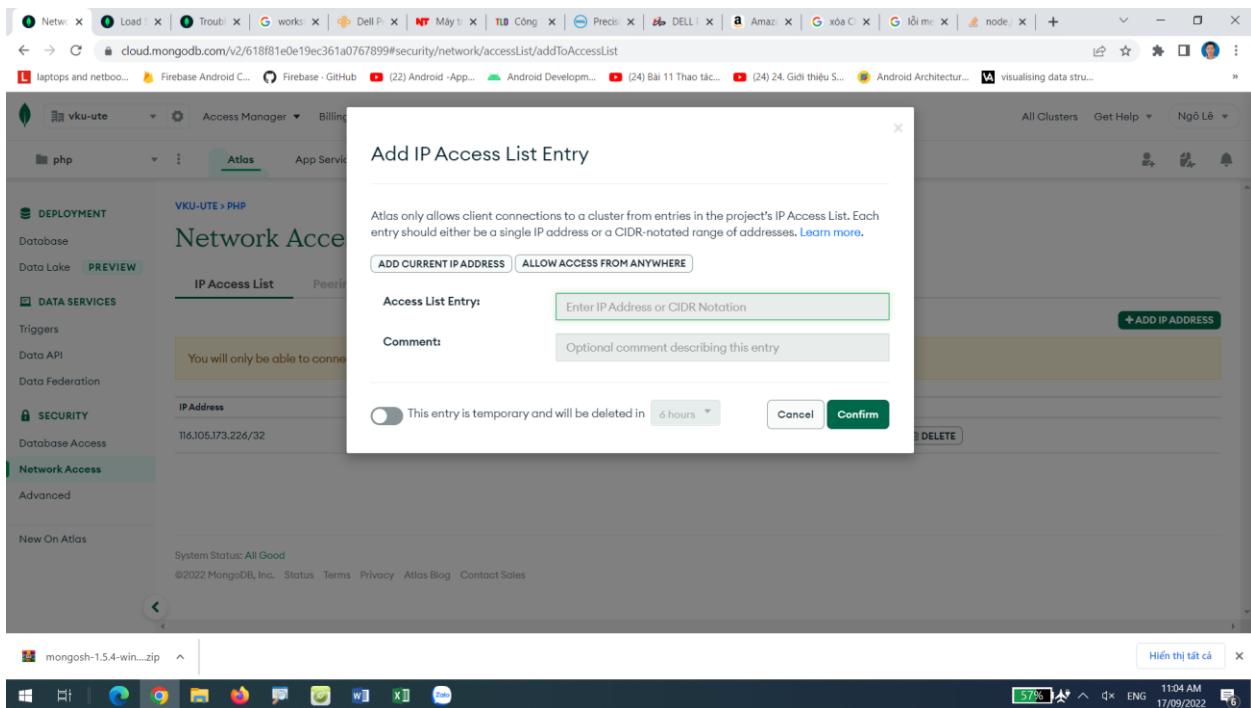


Bước 6. Chọn Free; Chọn Create ở góc dưới bên phải

The screenshot shows a web browser window with the URL cloud.mongodb.com/v2/616a50f80aad0d20e7b8a6be#clusters/pathSelector. The page title is "Deploy a cloud database". It features three deployment options: "Serverless" (Preview), "Dedicated" (Free), and "Shared" (Free). Each option has a "Create" button. The "Dedicated" option is highlighted. The "Shared" option includes a note about learning and exploring MongoDB in a cloud environment. The browser's address bar, search bar, and taskbar are visible at the bottom.

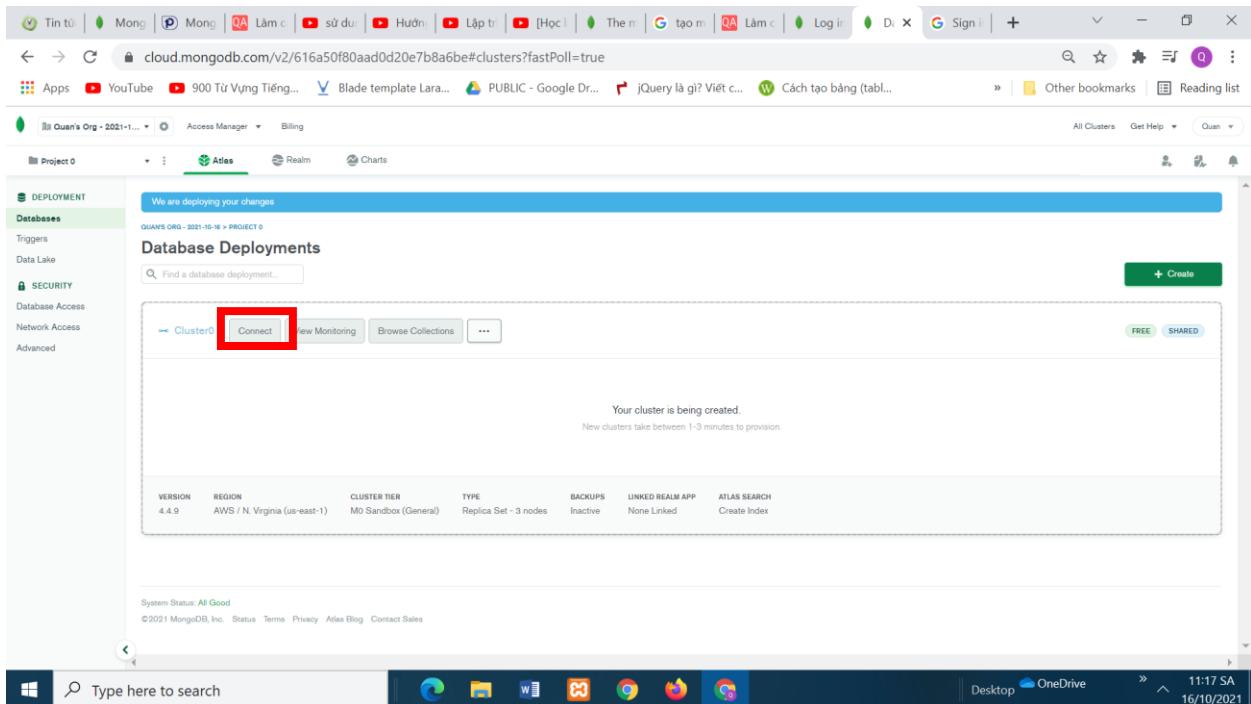
Tạo cluster





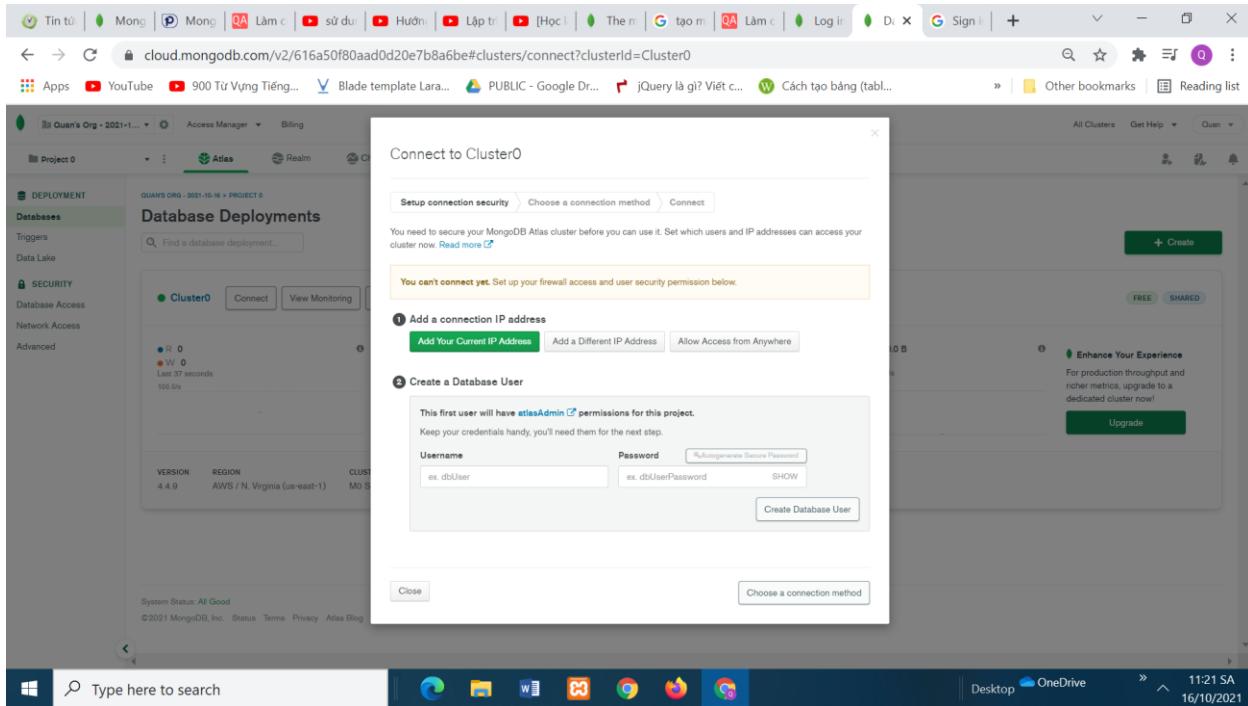
Lấy lại ip hiện tại

Bước 7. Chọn nút Connect

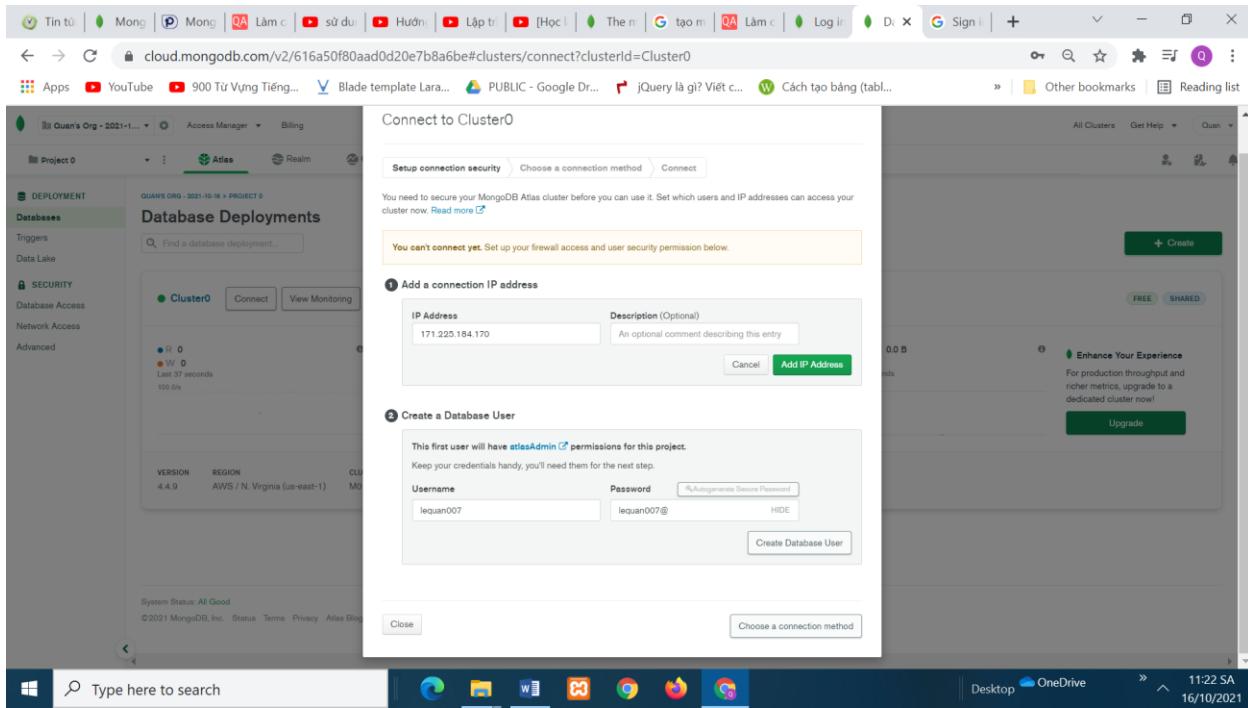


Bước 8. Chọn nút add your Current IP Address

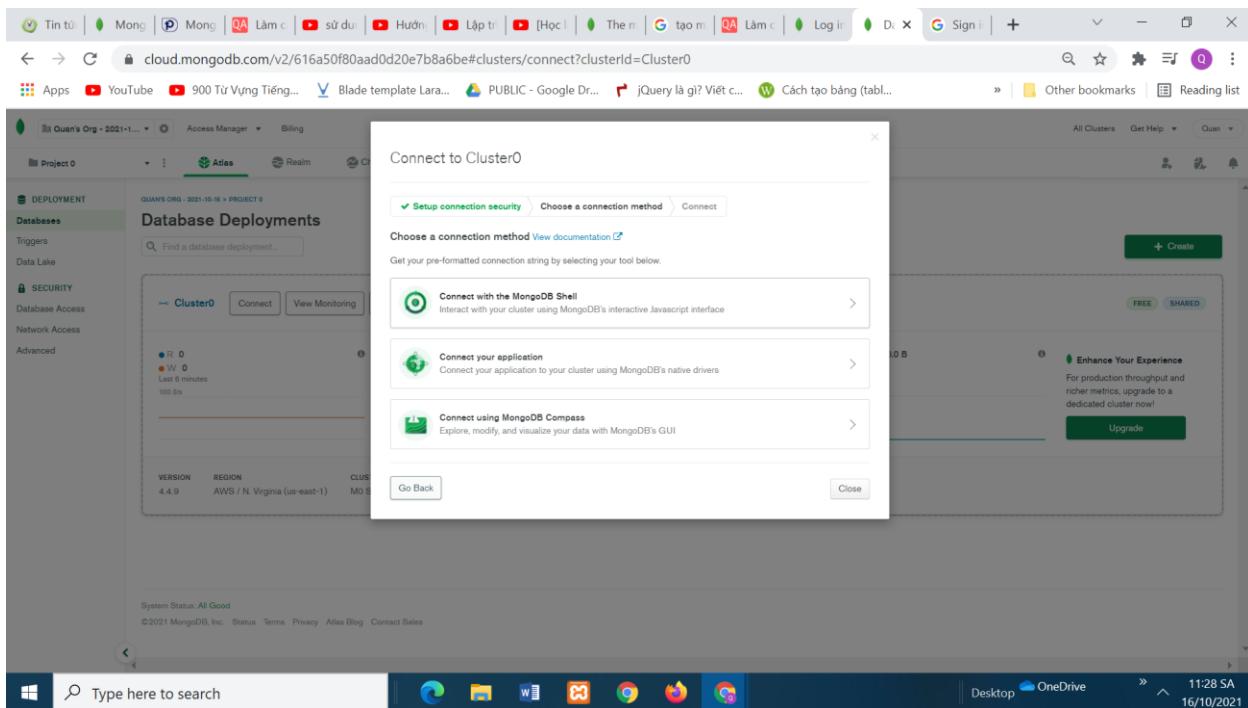
Nhập user name và password



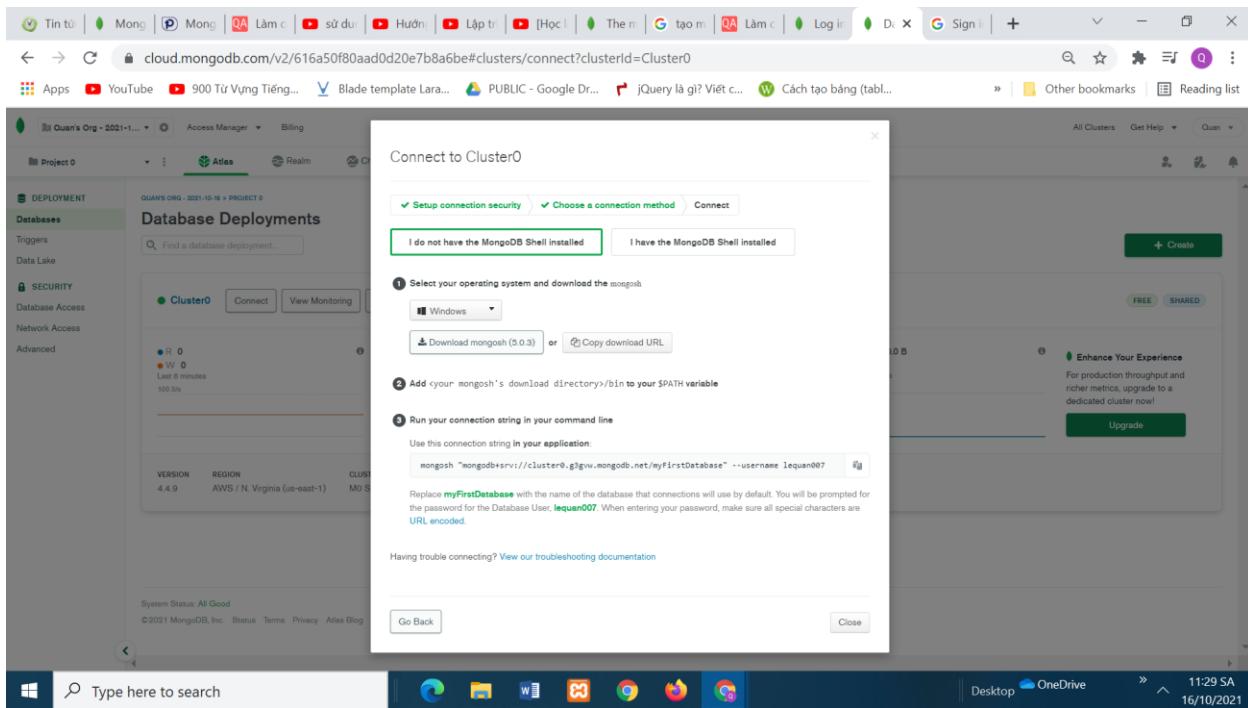
Bước 9. Chọn Add IP Address



Bước 10. Chọn Connect with the MongoDB Shell



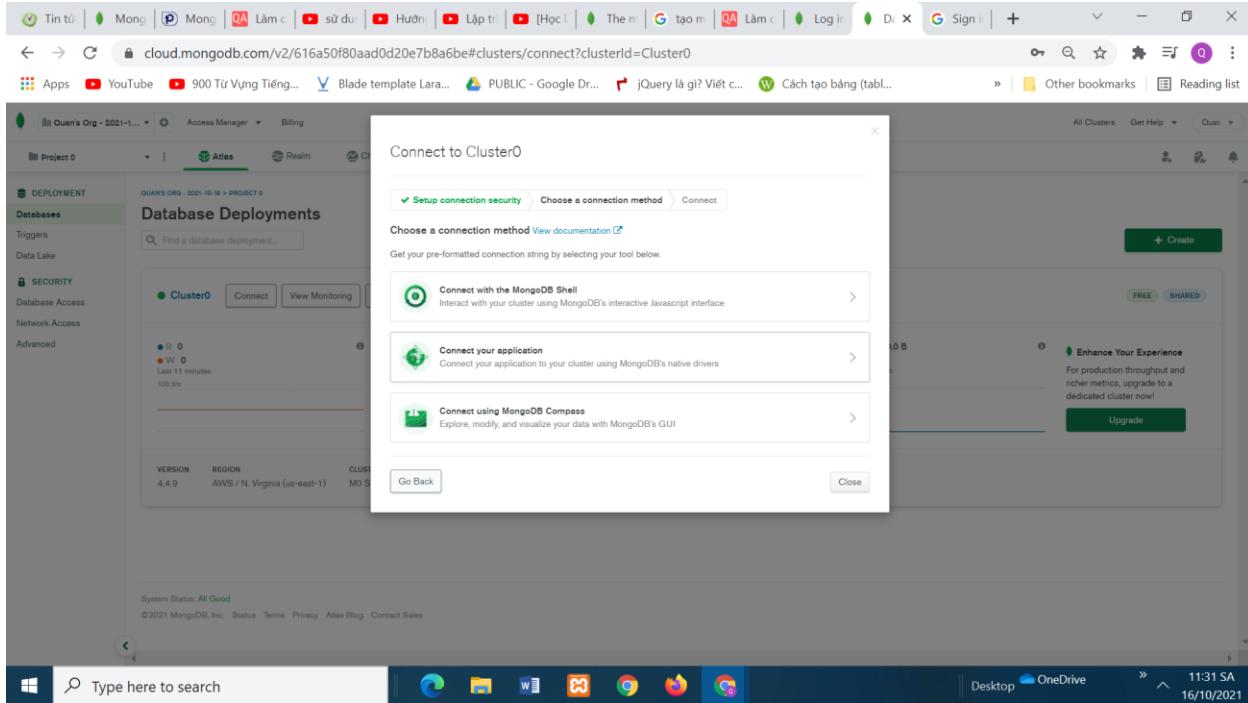
Chú ý: Nếu không Add IP Address sẽ xuất hiện lỗi Setup connect security



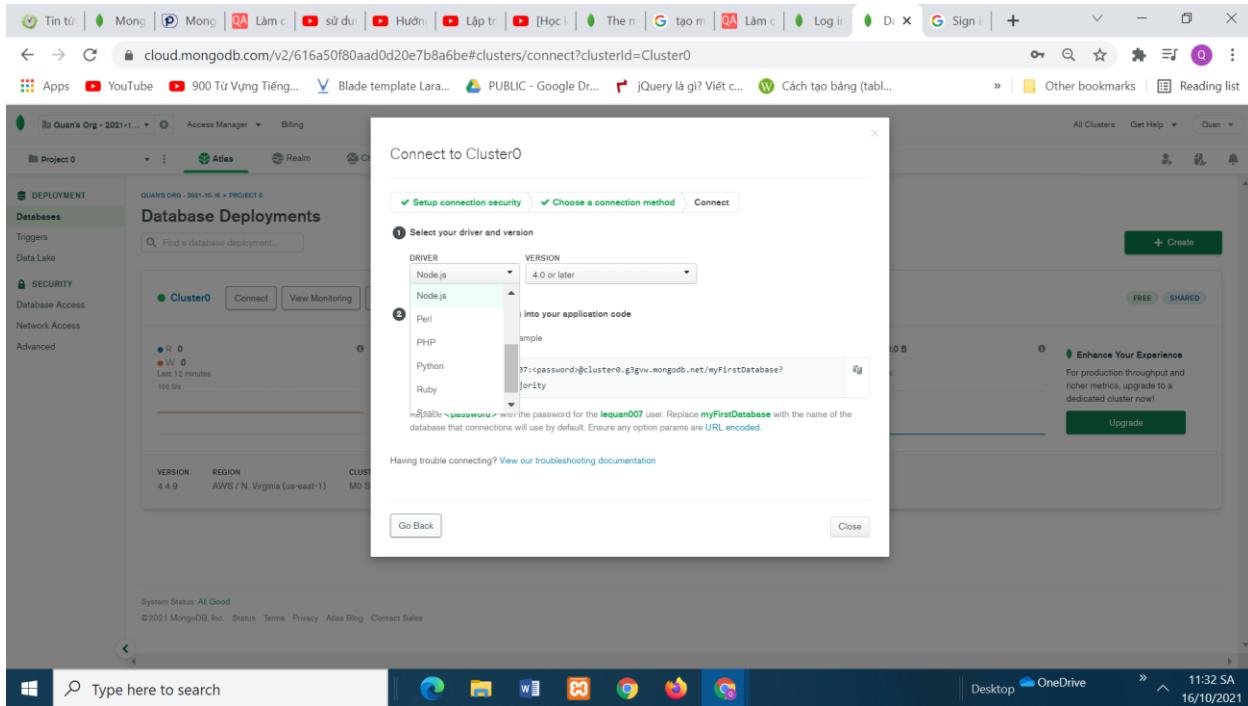
Bước 11. Lấy Chuỗi kết nối ở mục số 3(copy)

```
mongosh "mongodb+srv://cluster0.g3gvw.mongodb.net/myFirstDatabase" --username lequan007
```

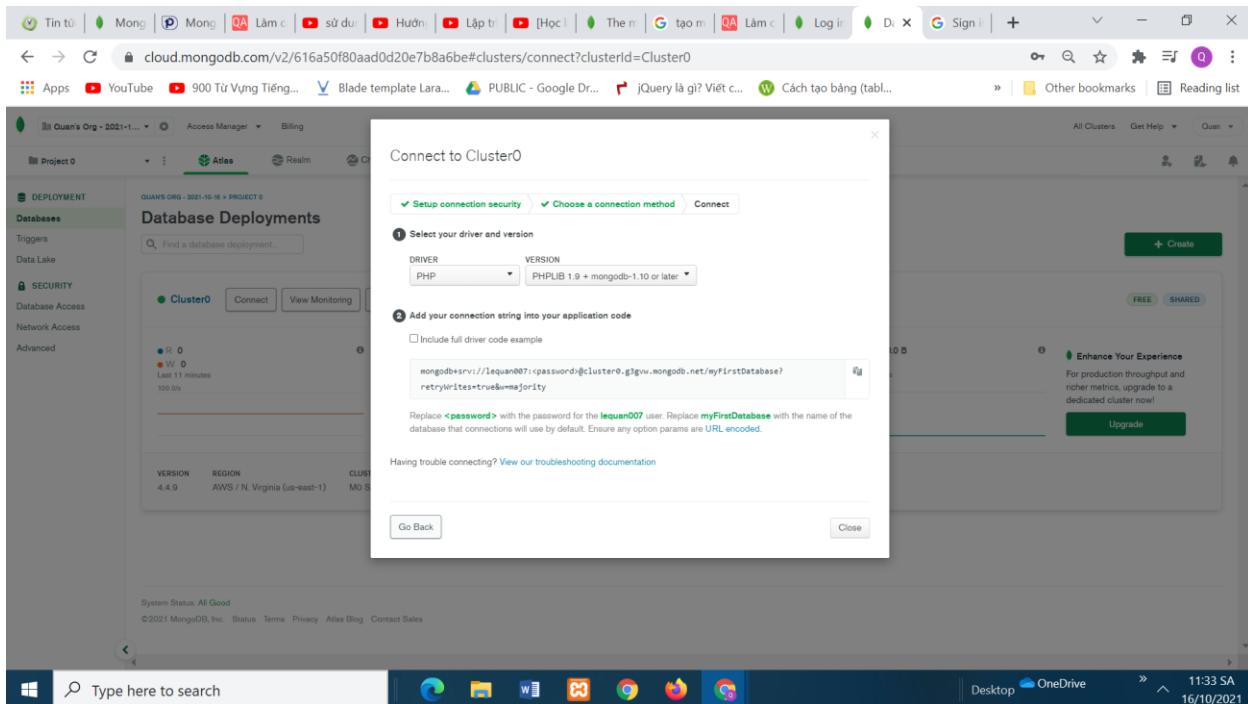
Đóng hộp thoại và Chọn lại nút Connect



Bước 12. Chọn Connect your application



Bước 13. Chọn php và chọn phiên bản



Lấy chuỗi kết nối ở mục 2(copy)

`mongodb+srv://lequan007:<password>@cluster0.g3gvw.mongodb.net/myFirstDatabase?retryWrites=true&w=majority`

`mongodb+srv://lequan007:ngolequan@123@cluster0.qrlpd.mongodb.net/myFirstDatabase?retryWrites=true&w=majority`

Chọn close

Chú ý. Chọn menu Database Access Để tạo thêm user admin nếu muốn

The screenshot shows the MongoDB Atlas interface under the 'Database Access' tab. On the left sidebar, 'Database Access' is selected. The main table lists a single user:

User Name	Authentication Method	MongoDB Roles	Resources	Actions
lequan007	SCRAM	rolesAdmin@admin, dbAdmin@admin	All Resources	<button>EDIT</button> <button>DELETE</button>

At the bottom of the page, there is a footer with system status and copyright information.

Phần 2. Công cụ quản trị nosqlbooster

Bước 1. Download công cụ nosqlbooster: <https://nosqlbooster.com/downloads>

Kết quả tìm kiếm cho "nosqlbooster for mongodb download":

- [Downloads - NoSQLBooster for MongoDB](https://nosqlbooster.com/downloads)
NoSQLBooster for MongoDB (formerly MongoBooster) is a shell-centric cross-platform GUI tool for MongoDB v2.6-5.0 , which provides fluent query builder, ...
- [NosQLBooster - The Smartest GUI Tool and IDE for MongoDB](https://nosqlbooster.com/blog)
NoSQLBooster for MongoDB (formerly MongoBooster) is a shell-centric cross-platform GUI tool for MongoDB v2.6-5.0 , which provides fluent query builder, ...
- [NosQLBooster for MongoDB Blog](https://nosqlbooster.com/blog)
NoSQLBooster for MongoDB 6.1 upgrades the MongoDB Node.js driver to the latest 3.6 and embedded MongoDB Shell to 4.4, adding support for all the new mongo shell ...

Hoặc vào địa chỉ nosqlbooster.com/downloads

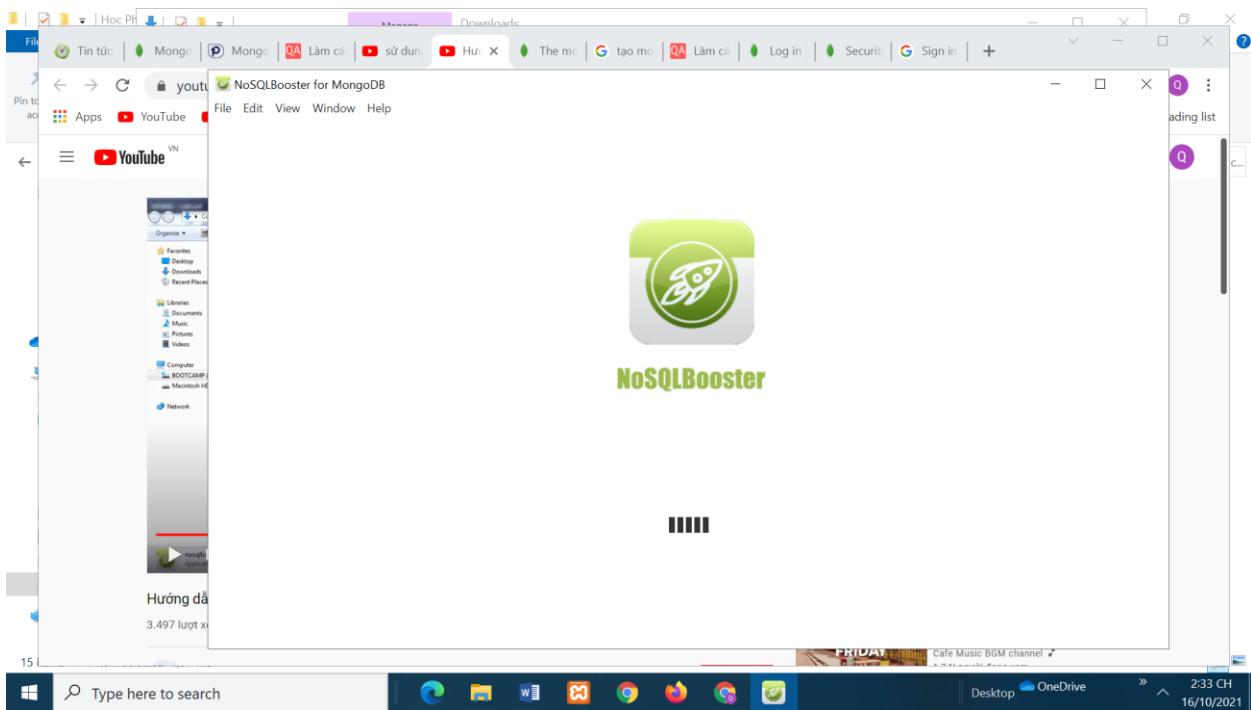
Downloads - NoSQLBooster for MongoDB

[Mac OS X](#) Version 7.0.3 [DOWNLOAD \(64-BIT\)](#)
What's new in this version?
Release Date: 2021-10-12
OS X 10.8 and above, Size: 99.8M
[Old Versions](#) 6.2.17 | 5.2.12 | 4.7.5 | 3.5.7

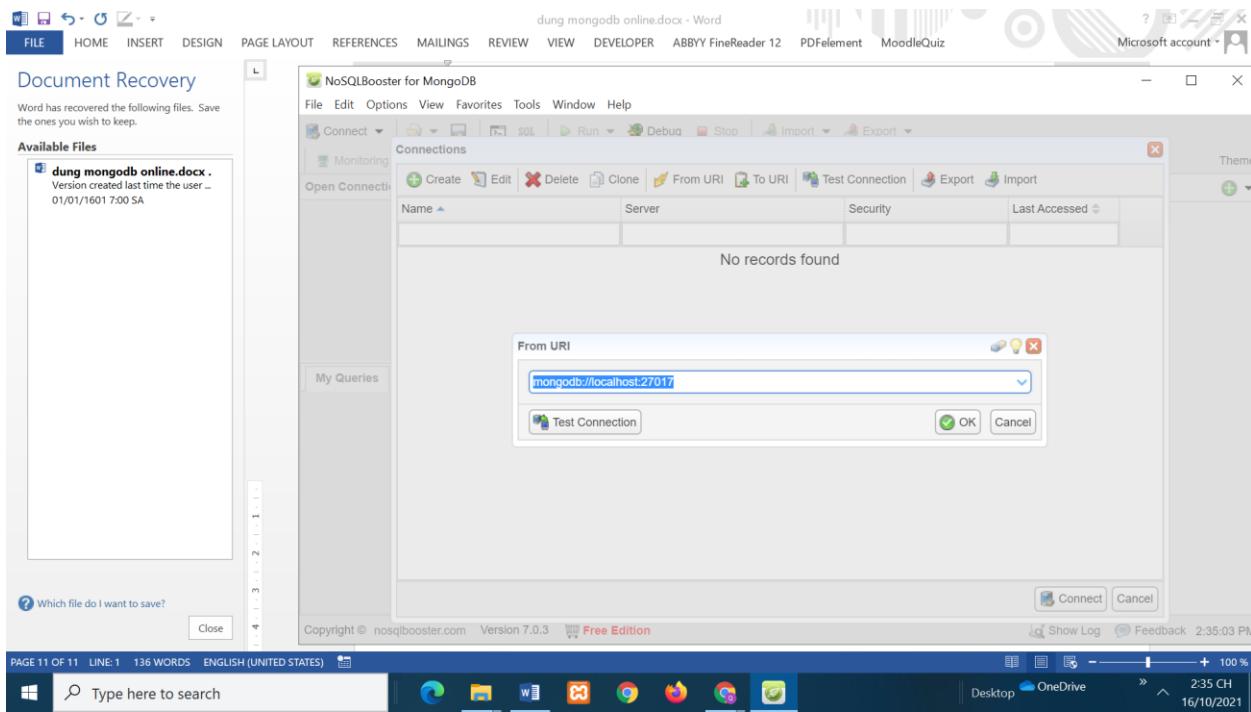
[Windows](#) Version 7.0.3 [DOWNLOAD \(64-BIT\)](#)
What's new in this version?
Release Date: 2021-10-12
Windows 7 and above, Size: 64.4M
[Old Versions](#) 6.2.17 | 5.2.12 | 4.7.5 | 3.5.7

[Linux](#) Version 7.0.3 [DOWNLOAD \(64-BIT\)](#)
What's new in this version?
Release Date: 2021-10-12
Major distros (AppImage) Size: 101.4M
[Old Versions](#) 6.2.17 | 5.2.12 | 4.7.5 | 3.5.7

Bước 2. Tải về , tiến hành cài đặt

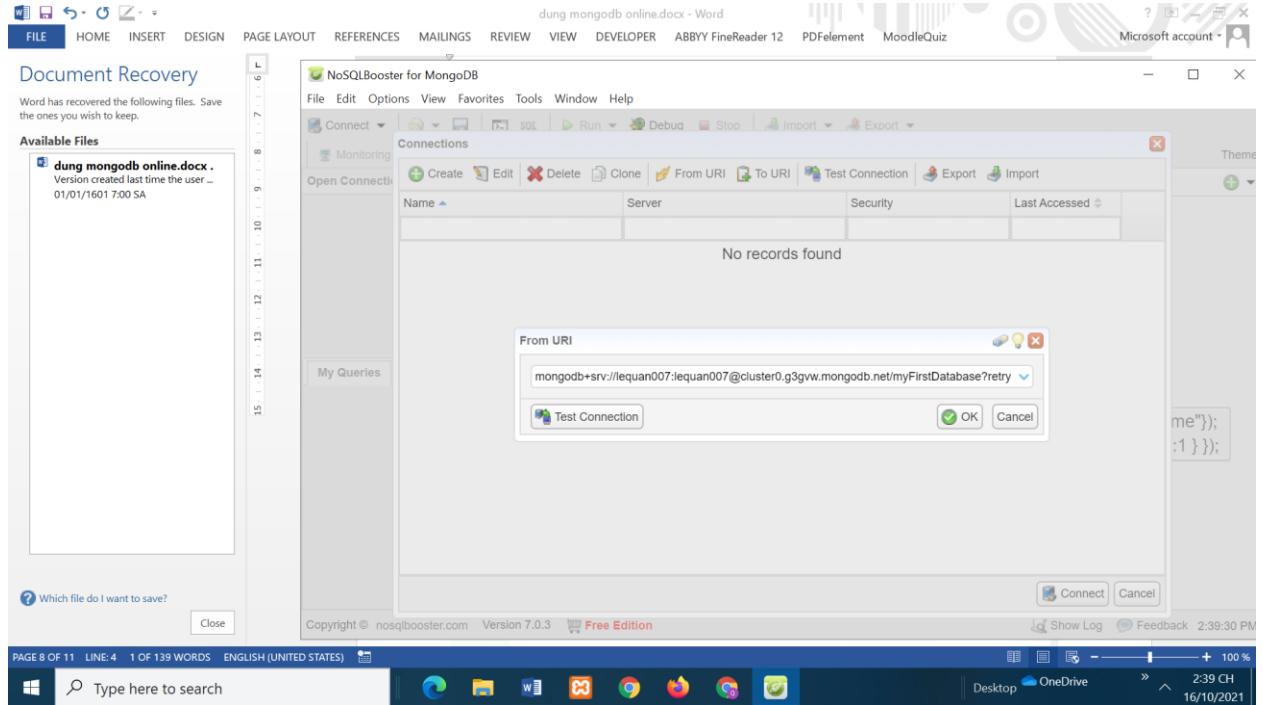


Bước 2. Chọn From URI

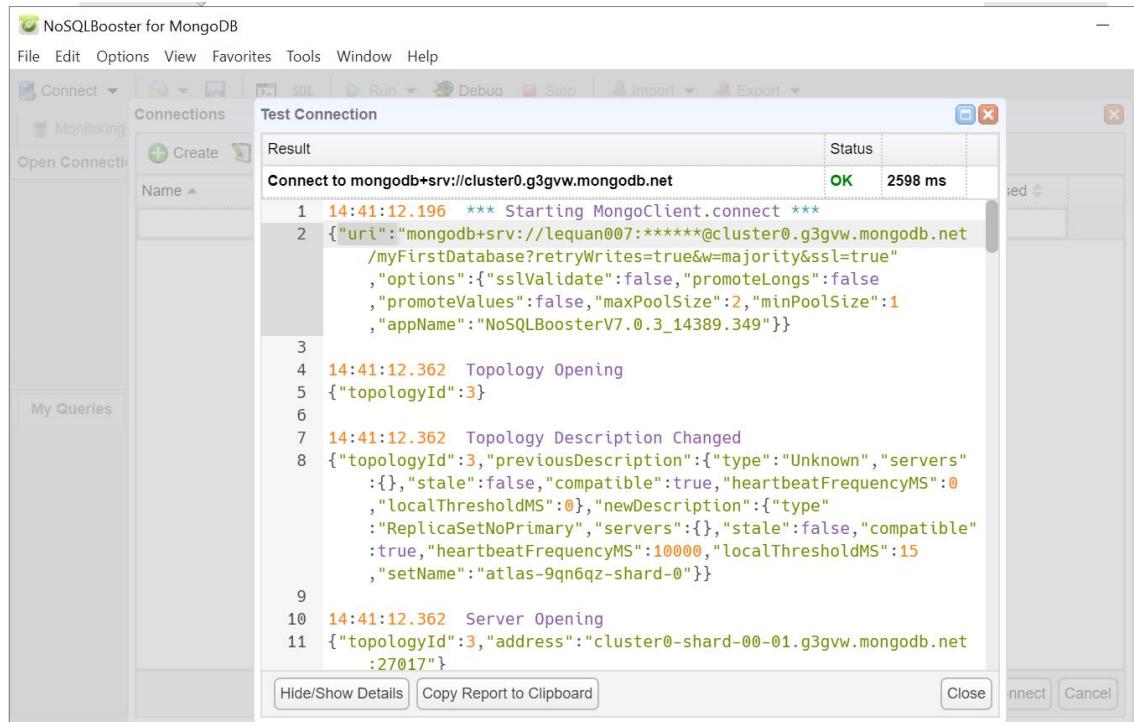


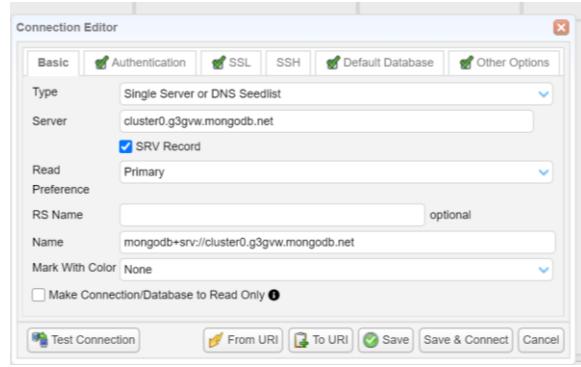
Bước 3. Lấy chuỗi kết nối ở phần tạo mongodb online đã tạo và dán vào đây

mongodb+srv://lequan007:<password>@cluster0.g3gvw.mongodb.net/myFirstDatabase?retryWrites=true&w=majority



Bước 4. Chạy Test Connection





Bước 4. Chọn Save & connect

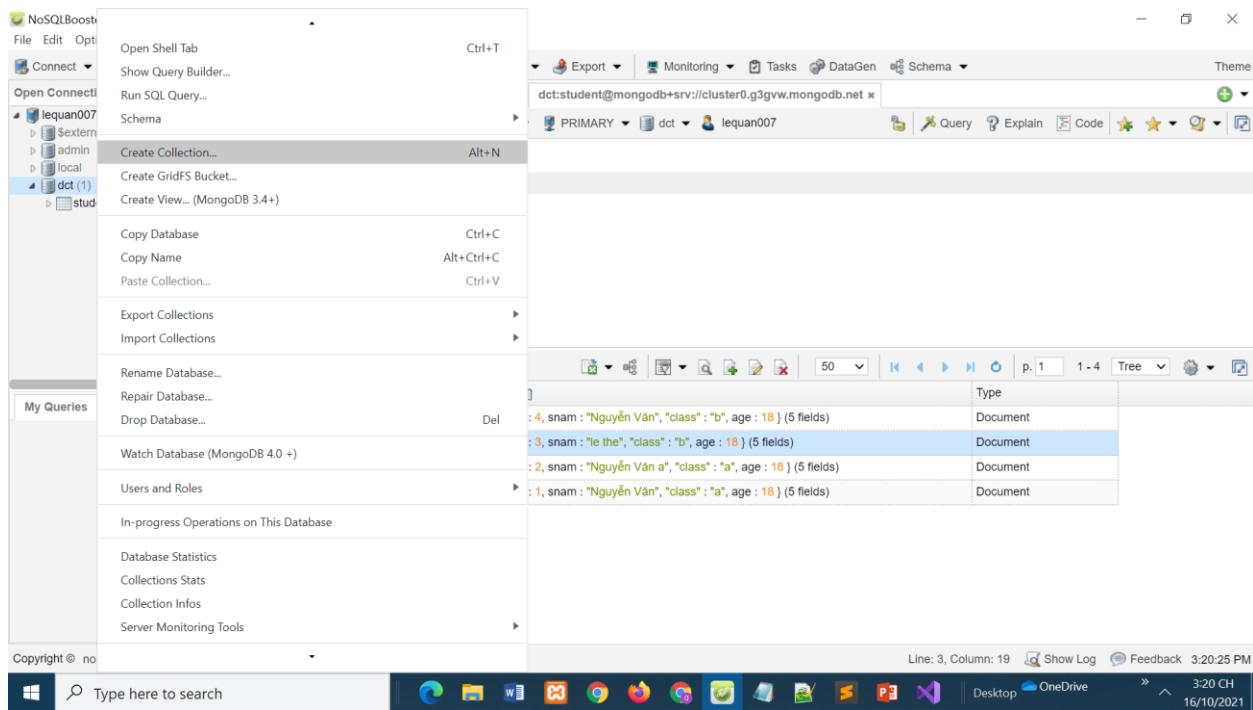
Phần 3. Lập trình PHP với MongoDB

Bước 1. Tạo cơ sở dữ liệu dct

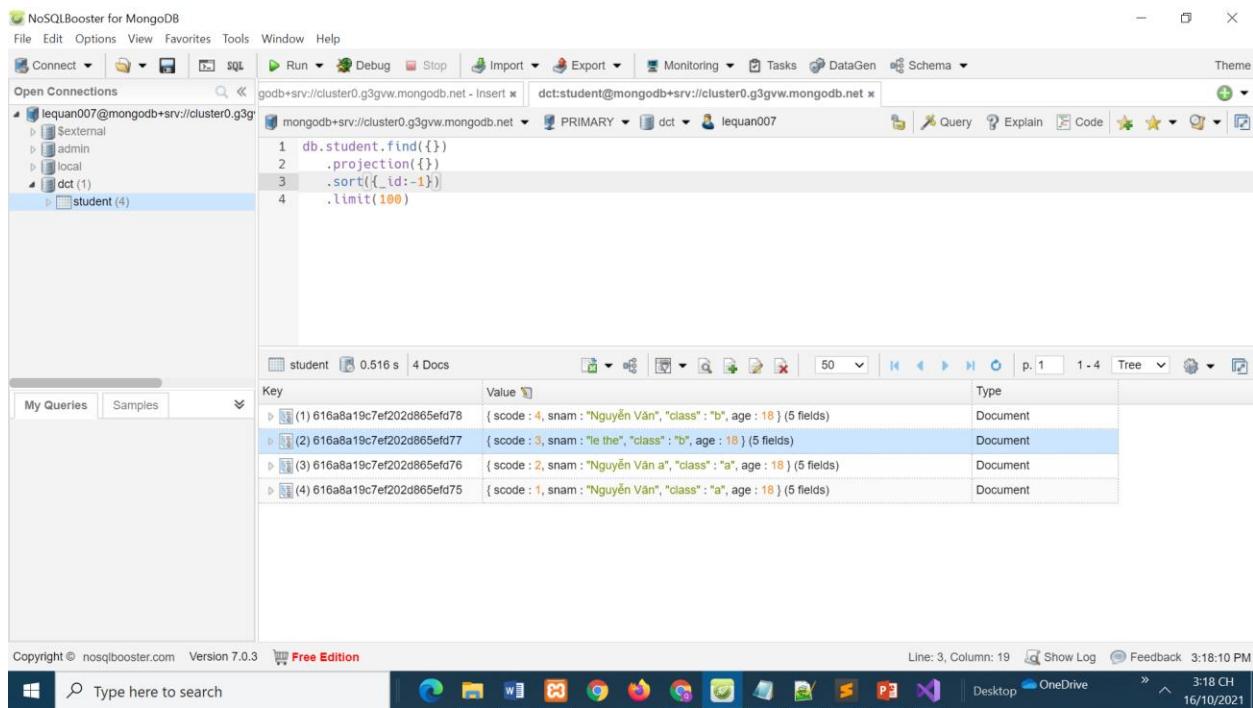
_id	sname	class	age
1	Nguyễn Văn A	a	18
2	Nguyễn Văn B	b	18
3	Nguyễn Văn C	c	18

 The status bar at the bottom shows 'Line: 3, Column: 19' and the date '16/10/2021'."/>

Bước 2. Tạo bảng student



Mở CSDL bằng phần mềm NoSQLBooster



Hoặc Mở online để tạo

```

{ field: 'value' }

RESULTS 1-4 OF 4

_id: ObjectId("616a8a19c7ef202d865efd75")
scode: 1
snam: "Nguyễn Văn"
class: "a"
age: 18

> _id: ObjectId("616a8a19c7ef202d865efd76")
scode: 2
snam: "Nguyễn Văn a"
class: "a"
age: 18

```

Bước 3. Bổ sung thêm driver mongodb trên php 7.3.30

- Kiểm tra php infor trên Xampp

The screenshot shows a browser window with several tabs open. The tabs include:

- Welcome to XAMPP
- PHP 7.3.30 - phpinfo()
- Welcome to XAMPP

The main content area displays the PHP info output for different extensions:

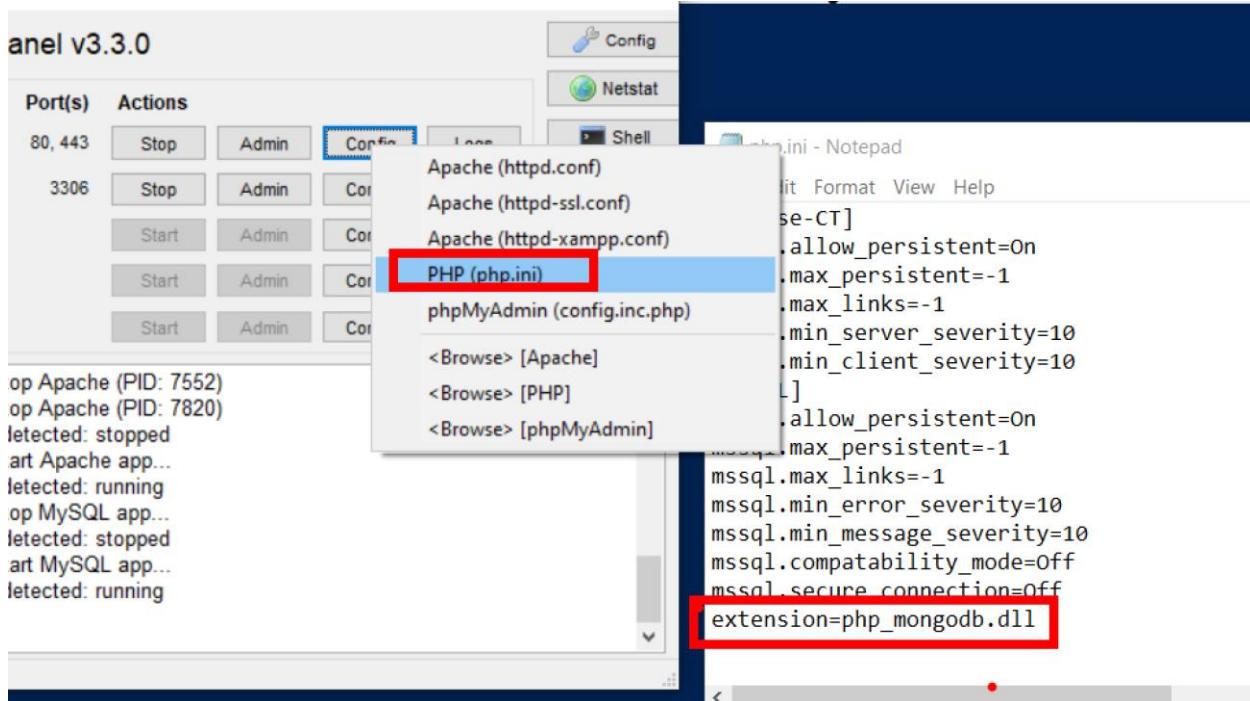
- mongodb** (Enabled):

MongoDB support	
MongoDB extension version	1.10.0
MongoDB extension stability	stable
libbson bundled version	1.18.0
libmongoc bundled version	1.18.0
libmongoc SSL	enabled
libmongoc SSL library	OpenSSL
libmongoc crypto	enabled
libmongoc crypto library	libcrypto
libmongoc crypto system profile	disabled
libmongoc SASL	enabled
libmongoc ICU	disabled
libmongoc compression	disabled
libmongocrypt bundled version	1.2.1
libmongocrypt crypto	enabled
libmongocrypt crypto library	libcrypto
- mysqli** (Enabled):

Directive	Local Value	Master Value
mysqli.debug	no value	no value

Phiên bản mới thực hiện thêm lệnh sau vào file php.ini

extension=php_mongodb.dll



- Nếu chưa có vào đường dẫn sau để download

<https://pecl.php.net/package/mongodb/1.10.0/windows>

The screenshot shows the PHP PECL MongoDB package page for Windows. At the top, there's a changelog with several items. Below it is a 'DLL List' section divided into three parts for PHP 8.0, 7.4, and 7.3, each listing four DLL files. At the bottom, there's a note about missing DLLs and links to various documentation and source code.

DLL List	
PHP 8.0	8.0 Non Thread Safe (NTS) x64 8.0 Thread Safe (TS) x64 8.0 Non Thread Safe (NTS) x86 8.0 Thread Safe (TS) x86
PHP 7.4	7.4 Non Thread Safe (NTS) x64 7.4 Thread Safe (TS) x64 7.4 Non Thread Safe (NTS) x86 7.4 Thread Safe (TS) x86
PHP 7.3	7.3 Non Thread Safe (NTS) x64 7.3 Thread Safe (TS) x64 7.3 Non Thread Safe (NTS) x86 7.3 Thread Safe (TS) x86

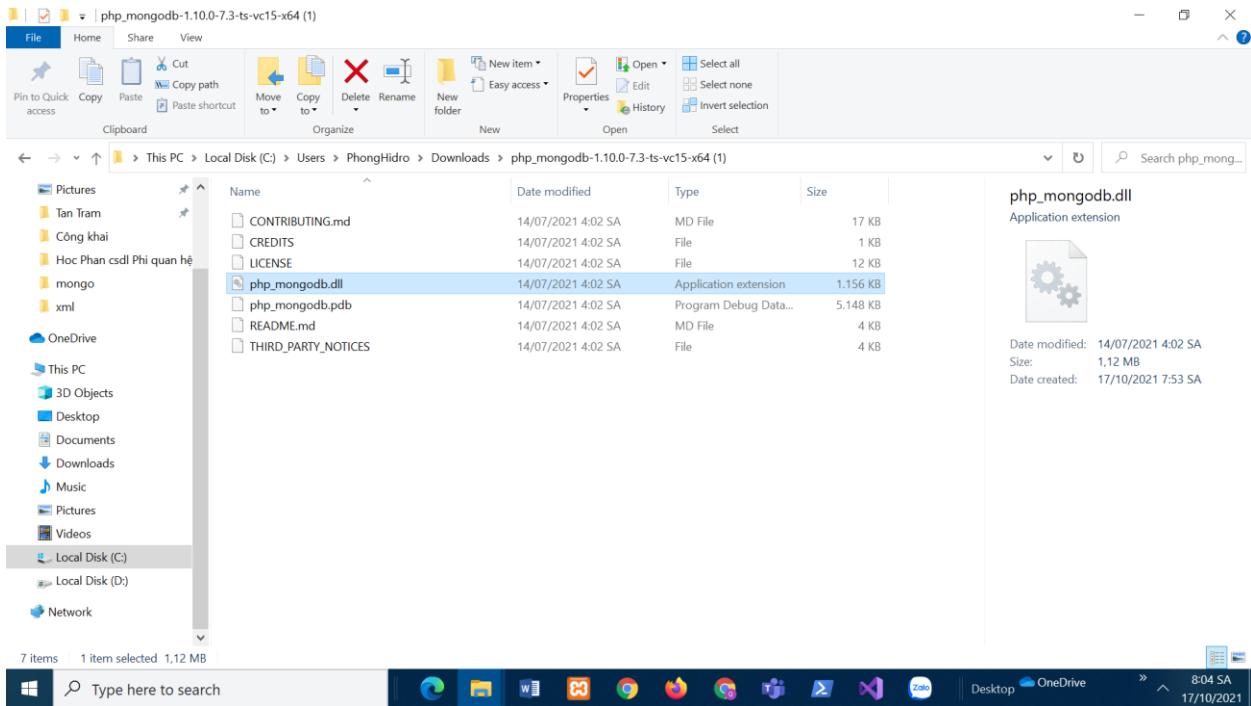
In case of missing DLLs, consider to contact the [PHP for Windows Team](#).

[\[Latest Tarball \]](#) [\[Changelog \]](#) [\[View Statistics \]](#)
[\[Browse Source \]](#) [\[Package Bugs \]](#) [\[View Documentation \]](#)

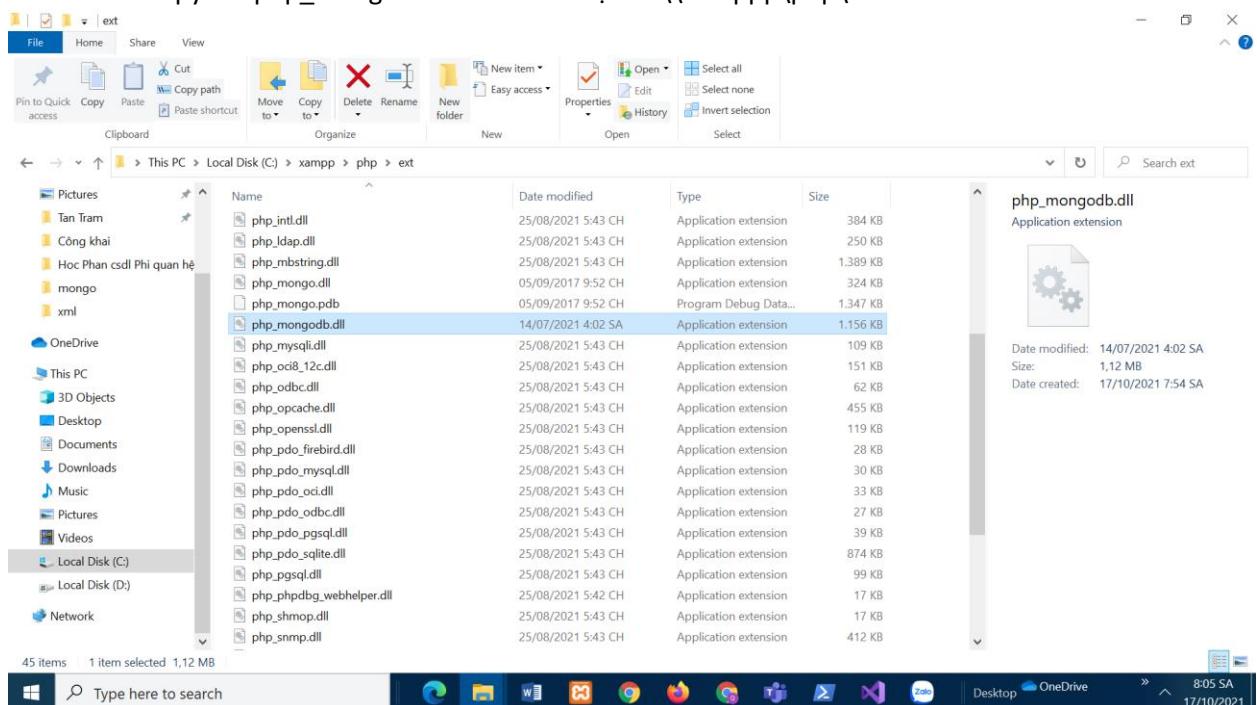
Dependencies for release 1.10.0

Show all

Download file 7.3 Thread Safe(TS) X64 cho hệ điều hành window 64 bit

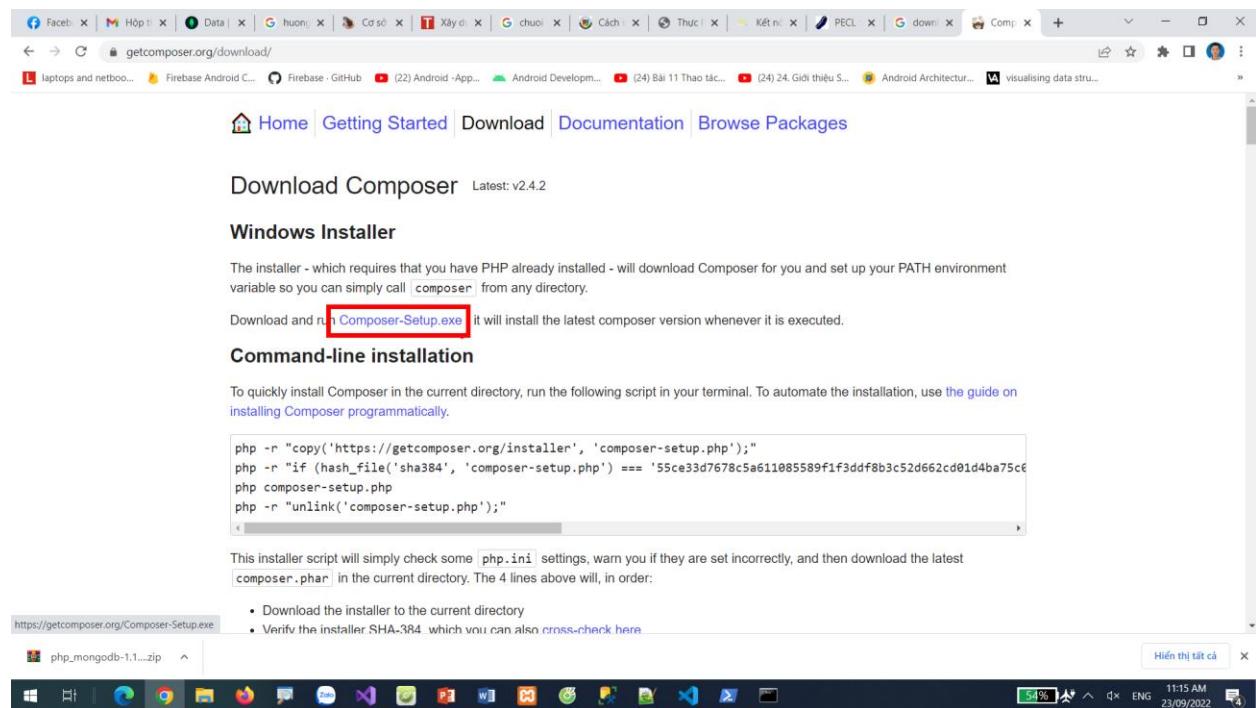


- Giải nén và copy file php_mongodb.dll vào thư mục: C:\xampp\php\ext



Bước 4. Mở thư mục web đang triển khai(ví dụ ta đang đăng website trong thư mục MONGO). Thực hiện lệnh load thư viện bằng composer như sau

Chú ý: Cài composer vào <https://getcomposer.org/> download và cài đặt



The installer - which requires that you have PHP already installed - will download Composer for you and set up your PATH environment variable so you can simply call `composer` from any directory.

Download and run [Composer-Setup.exe](#) it will install the latest composer version whenever it is executed.

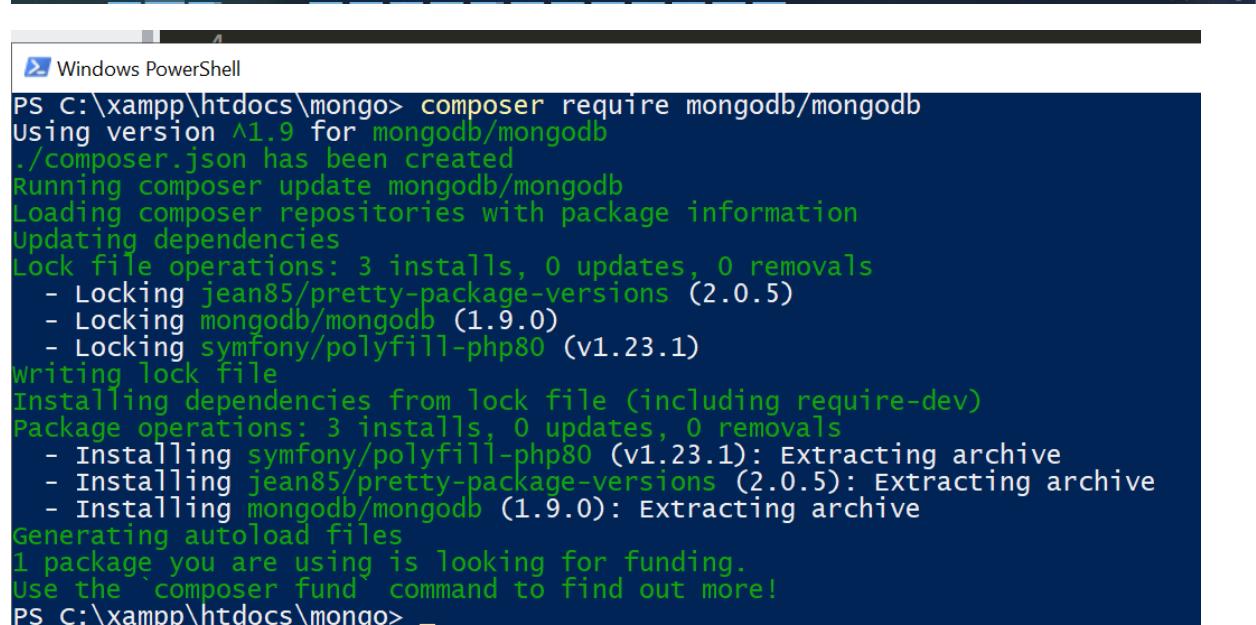
Command-line installation

To quickly install Composer in the current directory, run the following script in your terminal. To automate the installation, use the guide on [installing Composer programmatically](#).

```
php -r "copy('https://getcomposer.org/installer', 'composer-setup.php');"
php -r "if (hash_file('sha384', 'composer-setup.php') === '55ce33d7678c5a611085589f1f3ddf8b3c52d662cd01d4ba75c6'
php composer-setup.php
php -r "unlink('composer-setup.php');"
```

This installer script will simply check some `.php.ini` settings, warn you if they are set incorrectly, and then download the latest `composer.phar` in the current directory. The 4 lines above will, in order:

- Download the installer to the current directory
- Verify the installer SHA-384 which you can also [cross-check here](#)



```
PS C:\xampp\htdocs\mongo> composer require mongodb/mongodb
Using version ^1.9 for mongodb/mongodb
./composer.json has been created
Running composer update mongodb/mongodb
Loading composer repositories with package information
Updating dependencies
Lock file operations: 3 installs, 0 updates, 0 removals
- Locking jean85/pretty-package-versions (2.0.5)
- Locking mongodb/mongodb (1.9.0)
- Locking symfony/polyfill-php80 (v1.23.1)
Writing lock file
Installing dependencies from lock file (including require-dev)
Package operations: 3 installs, 0 updates, 0 removals
- Installing symfony/polyfill-php80 (v1.23.1): Extracting archive
- Installing jean85/pretty-package-versions (2.0.5): Extracting archive
- Installing mongodb/mongodb (1.9.0): Extracting archive
Generating autoload files
1 package you are using is looking for funding.
Use the composer fund command to find out more!
PS C:\xampp\htdocs\mongo>
```

```
composer require mongodb/mongodb:1.13.1
```

Bước 6. Tạo tệp connect.php có nội dung khai báo file autoload như sau

```
<?php
require "../vendor/autoload.php";
$dbname = 'dct';
```

```
try {
    $m = new
MongoDB\Client("mongodb+srv://lequan007:lequan007@cluster0.g3gvw.mongodb.net/myFirstDatabase?retryWrites=true&w=majority");

    $db = $m->$dbname;
    // $db = $m->selectDB($dbname);
    //echo "<p>Connected!</p>";
    // echo "thanh cong";
}

catch(Exception $ex) {
    print $ex;
    header("location:../error.html");
}

?>

$m = new
MongoDB\Client("mongodb+srv://lequan:lequan123456@cluster0.awgsmwp.mongodb.net/?retryWrites=true&w=majority");
```