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Laravel 5 Facebook Login Tutorial

By **Krunal**   Last updated **Feb 22, 2018**

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Laravel 5 Facebook Login Tutorial is the tutorial title today we will deep dive. I am going to show you how to **Login users** with **Facebook** and save them into your database using **Laravel 5.4** I will guide you how to **Integrate** *Facebook* socialite *login* **into your** *Laravel* 5.4 **application.** So let us start.

Content Overview [hide]

Step 1: Make a project of Laravel Facebook Login.

Create a Laravel 5.4 project by typing following command.

```
composer create-project laravel/laravel socialLogin --prefer-dist
```

Go to that project and start the Laravel server by typing following command.

```
php artisan serve
```

Server starts at URL: http://localhost:8000

You need to configure your database in **.env** file.

Laravel 5.4 ships with by default two tables. So run the following command in your terminal after setting up with the database.

```
php artisan migrate
```

Two tables of users and password_reset tables and one migration table generated in MySQL Database

Step 2: Create a Laravel Authentication

Laravel Auth

Laravel provides us basic authentication. **Laravel 5.4** makes implementing authentication very simple. In fact, almost everything is configured for you out of the box. We just need to fire one command in our terminal, and we are ready to go.

```
php artisan make:auth
```

You can see in the terminal that Authentication scaffolding generated successfully.

Now, if we switch to the **routes >> web.php** file then there is one added route, and also our view is configured automatically.

```php
<?php

// web.php

Auth::routes();
```
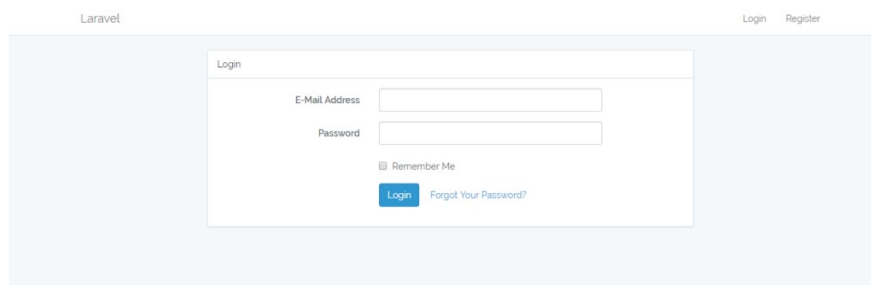
Change to this URL: http://localhost:8000/login

You can see something like this and yes, don't forget to start the server all the time by firing command **php artisan serve.**

Step 3: Download the

laravel/socialite package
for laravel 5 facebook integration

Laravel 5 Facebook Login Tutorial

The socialite is a package that makes building authentification with traditional social networks simple. So we are using this Laravel 5.4 specific package.

```
composer require laravel/socialite
```

Now, add the service provider to the `config/app.php` file.

```php
<?php

// app.php

'providers' => [
    // Other service providers...

    Laravel\Socialite\SocialiteServiceProvider::class,
],
```

Moreover, also update an alias array

```php
<?php

// app.php

'Socialite' => Laravel\Socialite\Facades\Socialite::class
,
```
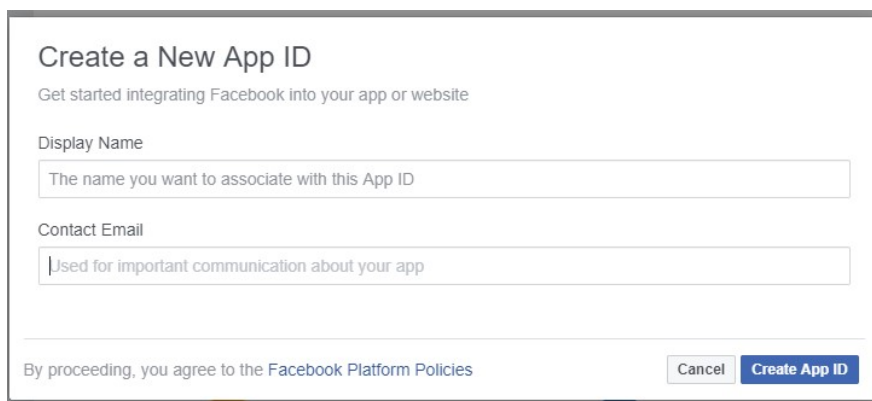
Step 4: Create Facebook App To Get Tokens

Go to the Facebook's developers portal by following
URL: https://developers.facebook.com/

Login via your Facebook account. You will see something like this.
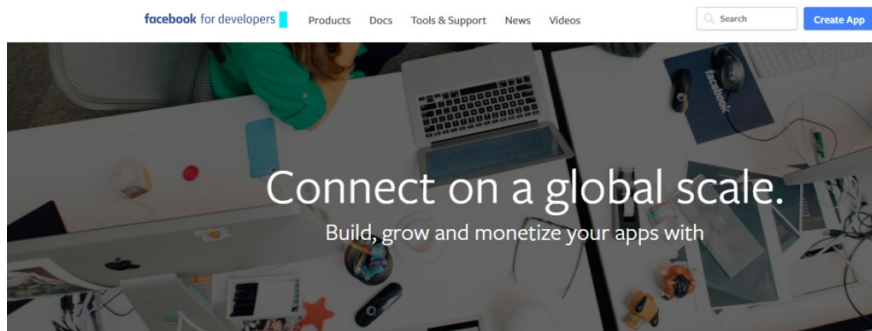
You can see in the image that there is **Create App** button. So click that button, and you will find one pop up window like this.

Here, I have put my **name** and **email id** in the popup and press button of **Create App ID**

You will see your dashboard like this.

In your dashboard, you can see your App ID

Now we need to select **Facebook Login** option from above image. So

click that button, and you will redirect to Facebook Login Dashboard page. In this page, you can see your App ID and App Secret, which we need in our Laravel Application

```
App ID: xxxxxxxxx
App Secret: xxxxxxx
```

Now, grab both of them and switch to your editor.

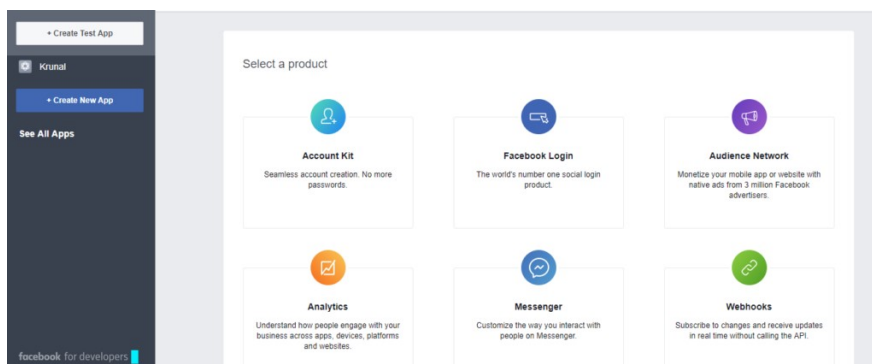Navigate to the **config >> services.php** file and put one another services array by the following code.

Your **App ID** becomes your **client_id**, and **App Secret** becomes **client_secret**

```php
<?php

// services.php

'facebook' => [
    'client_id' => 'xxxxxxx',
    'client_secret' => 'xxxxxxxx',
    'redirect' => '',
],
```

Possible Error:

When you try to login via facebook and if you have not added the domain in your Facebook app. You will get following error.

Can't load URL: The domain of this URL is not included in the app's domains. To be able to load this URL, add all domains and sub-domains of your app to the App Domains field in your app settings.

Possible Solution:

You need to add the platform to your Facebook dashboard and in that type your project's root URL like this.
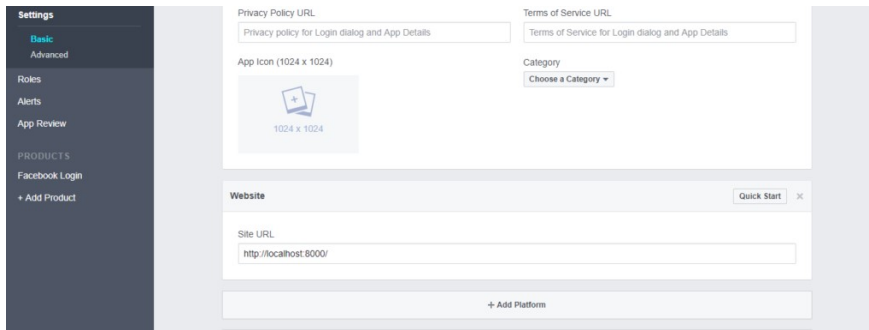
Step 5: Generate a controller for Laravel Facebook Login

Now, we need to create one controller, which handles the Facebook Authentication routes.

```
php artisan make:controller SocialAuthFacebookController
```

We need to implement two methods in this controller, which are following.

1) `redirect():`   Redirect our users to the Facebook.

2) `callback():`   Handle callback from Facebook.

```php
<?php

// SocialAuthFacebookController.php

namespace App\Http\Controllers;

use Illuminate\Http\Request;
use Socialite;

class SocialAuthFacebookController extends Controller
{
  /**
   * Create a redirect method to facebook api.
   *
   * @return void
   */
   public function redirect()
   {
       return Socialite::driver('facebook')->redirect();
   }

   /**
    * Return a callback method from facebook api.
    *
    * @return callback URL from facebook
    */
   public function callback()
   {

   }
}
```

Next step is going to the **routes >> web.php** file and register the
routes.

```php
<?php

//web.php

/*
|--------------------------------------------------------------
------------------
| Web Routes
|--------------------------------------------------------------
------------------
|
| Here is where you can register web routes for your appl
ication. These
| routes are loaded by the RouteServiceProvider within a
group which
| contains the "web" middleware group. Now create somethi
ng great!
|
*/

Route::get('/', function () {
    return view('welcome');
});

Auth::routes();

Route::get('/redirect', 'SocialAuthFacebookController@red
irect');
Route::get('/callback', 'SocialAuthFacebookController@cal
lback');

Route::get('/home', 'HomeController@index')->name('home')
;
```

Go to the **config >> services.php** file and update the Facebook
keyed array with another key called **redirect and** put the value
'http://localhost:8000/callback'

```php
<?php

// services.php

'facebook' => [
    'client_id' => 'xxxxxxx',
    'client_secret' => 'xxxxxxx',
    'redirect' => 'http://localhost:8000/callback',
],
```

Step 6: Create Login view file with blade templating engine.

Now we just need to add the link to our route `redirect` which will further redirect the user to the Facebook. So go to the **resources >> views >> auth >> login.blade.php** and add one link **like Login with Facebook.**

```
<!-- login.blade.php -->

@extends('layouts.app')

@section('content')
<div class="container">
    <div class="row">
        <div class="col-md-8 col-md-offset-2">
            <div class="panel panel-default">
                <div class="panel-heading">Login</div>
                <div class="panel-body">
                    <form class="form-horizontal" method=
"POST" action="{{ route('login') }}">
                        {{ csrf_field() }}

                        <div class="form-group{{ $errors-
>has('email') ? ' has-error' : '' }}">
                            <label for="email" class="col
-md-4 control-label">E-Mail Address</label>

                            <div class="col-md-6">
                                <input id="email" type="e
mail" class="form-control" name="email" value="{{ old('em
ail') }}" required autofocus>

                                @if ($errors->has('email'
))
                                    <span class="help-blo
ck">
                                        <strong>{{ $error
s->first('email') }}</strong>
                                    </span>
                                @endif
                            </div>
                        </div>

                        <div class="form-group{{ $errors-
>has('password') ? ' has-error' : '' }}">
                            <label for="password" class="
col-md-4 control-label">Password</label>

                            <div class="col-md-6">
                                <input id="password" type
="password" class="form-control" name="password" required
>

                                @if ($errors->has('passwo
rd'))
                                    <span class="help-blo
ck">
```

```
                                                        <strong>{{ $error
s->first('password') }}</strong>
                                            </span>
                                        @endif
                                    </div>
                                </div>

                                <div class="form-group">
                                    <div class="col-md-6 col-md-o
ffset-4">
                                        <div class="checkbox">
                                            <label>
                                                <input type="chec
kbox" name="remember" {{ old('remember') ? 'checked' : ''
}}> Remember Me
                                            </label>
                                        </div>
                                    </div>
                                </div>

                                <div class="form-group">
                                    <div class="col-md-8 col-md-o
ffset-4">
                                        <button type="submit" cla
ss="btn btn-primary">
                                            Login
                                        </button>

                                        <a class="btn btn-link" h
ref="{{ route('password.request') }}">
                                            Forgot Your Password?
                                        </a>
                                    </div>
                                </div>
                                <br />
                                <p style="margin-left:265px">OR</
p>
                                <br />
                                <div class="form-group">
                                    <div class="col-md-8 col-md-o
ffset-4">
                                         <a href="{{url('/redirect')
}}" class="btn btn-primary">Login with Facebook</a>
                                    </div>
                                </div>
                            </form>
                    </div>
                </div>
            </div>
        </div>
</div>
```

```
    @endsection
```

Now, if you have not started the server, then launch the server and go the following URL

http://localhost:8000/login

Try to **login via Facebook** and if everything sets up correctly.

Possible Error:

cURL error 60: SSL certificate problem: unable to get local issuer certificate

Possible Solution:

Assuming On Windows

XAMPP server

Similar to another environment – download and extract for cacert.pem here (a clean file format/data)

https://curl.haxx.se/docs/caextract.html put it here

C:\xampp\php\extras\ssl\cacert.pem in your php.ini put this line in this section ("c:\xampp\php\php.ini"):

```
    ;;;;;;;;;;;;;;;;;;;;
    ; php.ini Options  ;
    ;;;;;;;;;;;;;;;;;;;;

    curl.cainfo = "C:\xampp\php\extras\ssl\cacert.pem"
```

Moreover, finally, restart your server.

Step 7: Make one model for Social Account

Now, when you try to **Log in with Facebook**, you will redirect to nothing, and in your URL, you can see the callback with some code in it. So let's fix that.

Now, we are **integrating our Facebook user in our Laravel application**. Create one model as well as one migration in our app.

```
php artisan make:model SocialFacebookAccount -m
```

Now, add the following code
in **create_social_facebook_accounts_table.php** file. I am putting my final file in here.

```php
<?php

// create_social_facebook_accounts.php

use Illuminate\Support\Facades\Schema;
use Illuminate\Database\Schema\Blueprint;
use Illuminate\Database\Migrations\Migration;

class CreateSocialFacebookAccountsTable extends Migration
{
    /**
     * Run the migrations.
     *
     * @return void
     */
    public function up()
    {
        Schema::create('social_facebook_accounts', functi
on (Blueprint $table) {
            $table->integer('user_id');
            $table->string('provider_user_id');
            $table->string('provider');
            $table->timestamps();
        });
    }

    /**
     * Reverse the migrations.
     *
     * @return void
     */
    public function down()
    {
        Schema::dropIfExists('social_facebook_accounts');
    }
}
```

Run the following command if you have migrated previous

tables.

```
php artisan migrate:refresh
```

Alternatively, else, if this is your first-time migration then apply following command.

```
php artisan migrate
```

Step 8: Give relations to **SocialFacebookAccount model.**

The column `provider_user_id` is Facebook's user id, and in `provider` this case, will always be Facebook

Add relations and fillable to the **SocialFacebookAccount** model.

```php
<?php

// SocialFacebookAccount.php

namespace App;

use Illuminate\Database\Eloquent\Model;

class SocialFacebookAccount extends Model
{
  protected $fillable = ['user_id', 'provider_user_id', '
provider'];

  public function user()
  {
      return $this->belongsTo(User::class);
  }
}
```

Next step would be some handling service that will try to register the user or login if the account already exists. Create folder `app/Services` . Laravel 5.4 has not any Services folder in app directory so create a directory first and put following

content in that **SocialFacebookAccountService.php** file.

So our full directory structure would look like this.

app   >>   Services   >>
SocialFacebookAccountService.php

```php
<?php

namespace App\Services;
use App\SocialFacebookAccount;
use App\User;
use Laravel\Socialite\Contracts\User as ProviderUser;

class SocialFacebookAccountService
{
    public function createOrGetUser(ProviderUser $provide
rUser)
    {
        $account = SocialFacebookAccount::whereProvider('
facebook')
            ->whereProviderUserId($providerUser->getId())
            ->first();

        if ($account) {
            return $account->user;
        } else {

            $account = new SocialFacebookAccount([
                'provider_user_id' => $providerUser->getI
d(),
                'provider' => 'facebook'
            ]);

            $user = User::whereEmail($providerUser->getEm
ail())->first();

            if (!$user) {

                $user = User::create([
                    'email' => $providerUser->getEmail(),
                    'name' => $providerUser->getName(),
                    'password' => md5(rand(1,10000)),
                ]);
            }

            $account->user()->associate($user);
            $account->save();

            return $user;
        }
    }
}
```

It will try to find provider's account in the system and if it is
not present it will create a new user. This method will also try

to associate the social account with the email address in case that user already has an account.

Now everything is ready to handle Facebook's callback to our app.

Step 9: Update callback function.

The last step is to update the **SocialAuthFacebookController's callback**() function.

```php
<?php

// SocialAuthFacebookController.php

namespace App\Http\Controllers;

use Illuminate\Http\Request;
use Socialite;
use App\Services\SocialFacebookAccountService;

class SocialAuthFacebookController extends Controller
{
  /**
    * Create a redirect method to facebook api.
    *
    * @return void
    */
    public function redirect()
    {
        return Socialite::driver('facebook')->redirect();
    }

    /**
     * Return a callback method from facebook api.
     *
     * @return callback URL from facebook
     */
    public function callback(SocialFacebookAccountService
$service)
    {
        $user = $service->createOrGetUser(Socialite::driv
er('facebook')->user());
        auth()->login($user);
        return redirect()->to('/home');
    }
}
```
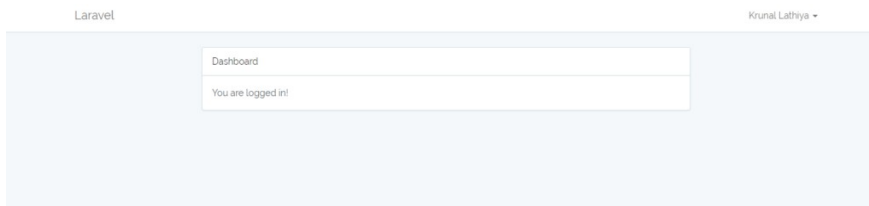
All the coding is now finally complete. Go to the login URL of our application.

http://localhost:8000/login

Now, Login with Facebook and you will redirect to the home page and the data has been saved in the database.

Step 10: Make live your Laravel 5 Facebook Integration with the public.

Right now your application is in development mode, so when you try to login with another Facebook username and password then It will not work.

For that, you need to do following the steps.

STEP 1:

Log in to Facebook Developer -> Your App

In **Settings** -> **Basic** -> **Contact Email**. (Give any email)

STEP 2:

And in `**App Review**` Tab: change

Do you want to make this app and all its live features available to the general public? **Yes**

And your app will be live now.

Now, you will be able to log in as any Facebook user.

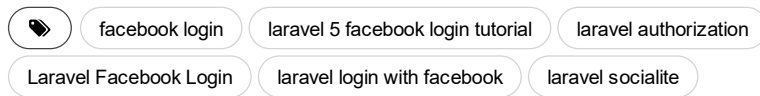Github: https://github.com/KrunalLathiya /LaravelFacebookLogin

Steps to use Github code

1. Clone the repo in your local.
2. Go to root of the project and run command "**composer update**"
3. Edit .env file and use your MySQL database credentials.
4. Configure **developers facebook** account get **client_id** and **client_secret** and also put your Web URL.

5. Run the command "**php artisan migrate**"

6. Now, we need to bootstrap Laravel server so run "**php artisan serve**"

7. If now go to this URL: **http://localhost:8000/login**

*If you still have doubt in this **Laravel Facebook Login Tutorial**, then ask in the comment below, I am happy to help you out.*

🏷 (facebook login) (laravel 5 facebook login tutorial) (laravel authorization)

(Laravel Facebook Login) (laravel login with facebook) (laravel socialite)

Krunal

I am Web Developer and Blogger. I have created this website for the web developers to understand complex concepts in an easy manner.

43 Comments

Gabriel Marquez Says   📅 *1 year ago*

Nice post, It works fully, I followed step by step. However, it just works for the facebook account you set up on the dashboard of facebook developer. If I want to log in with another account, it doesn't work fully.

Krunal Says   📅 *1 year ago*

Okay, go to your development account and make the app live and then again try to logged in as another user.

Gabriel Marquez Says   📅 *1 year ago*

The step 10 works properly. Do you know if making your app and all its live features available to the general public wont have any security problems?

Krunal Says   📅 *1 year ago*

Nope, you just need to assign proper permissions

required by the application and also there are so many different algorithms which you can secure your app, but some of them, you need to develop on your own.

FredFlinstone Says 📅 *1 year ago*

hi,

very thanks for this great tutorial … everything is working fine, but … if I login via FB, user XY is logged into web, then I log out successfully. Meanwhile I check db-table "users" and user XY is added to db-table (name, email, password, remember_token).

Then I try log as XY in via credentials – email/password, but error message is raised (These credentials do not match our records.)

What is wrong? because this credential really exists in db-table "users".

Muhammad Akbar Says 📅 *4 weeks ago*

Because you generated random password in the service, either you need the user to create a new password or keep using the facebook login

Yogi Sadhewo Says 📅 *1 year ago*

hi krunal, your tutorial was amazing. i have followed step by step, but i dont know why i can't log in, the command says "These credentials do not match our records.". i hope you read my comments and help me out once again thank you 😀

Jc Says 📅 *1 year ago*

Class App\Http\Controllers\SocialFacebookAccountService does not exist

Son Nguyen Says 📅 *1 year ago*

Make sure you have this in file SocialAuthFacebookController.php

use App\Services\SocialFacebookAccountService;

Roslan Ramli Says   📅 *3 months ago*

still in the controller $service is undefined

Roslan Ramli Says   📅 *3 months ago*

I am using laravel 5.6
use App\Services
\SocialFacebookAccountService; was pasted
and not used:
$service not defined

Roslan Ramli Says

📅 *3 months ago*

Sorry my bad, I forgot to inject $service

Abhishek Jain Says   📅 *1 year ago*

Good post. Working properly… Thumbs up

Wlad Says   📅 *12 months ago*

I followed the steps until 6 there I got an error window that
says: URL LOCKED: An error occurred in the redirect
because the url is not included … To what is this and what
can I do. Thank you

Kyamasam Says   📅 *11 months ago*

Awesome tutorial. Works as expected on a live server. Not
tried it on local server though.

Sarwan Says   📅 *9 months ago*

I clone your code from github and use on localhost follow your
instructions but I got error Can't load URL: The domain of this
URL isn't included in the app's domains. To be able to load

this URL, add all domains and sub-domains of your app to the
App Domains field in your app settings.

How I can sort this issue

Krunal Says   📅 *9 months ago*

You need to create an app in your facebook developer
account.

Sarwan Says   📅 *9 months ago*

Thanks sir for reply.
I sort previous issue.I have another issue when i using
different facebook user then creating issue given below:

SQLSTATE[23000]: Integrity constraint violation: 1048
Column 'email' cannot be null (SQL: insert into `users`
(`email`, `name`, `password`, `updated_at`, `created_at`)
values (, Sarwan Pal, 23fa71cc32babb7b91130824466d25a5,
2018-02-09 07:20:40, 2018-02-09 07:20:40))

but when i using facebook app generated by id then i not
facing issue given above.

Sarwan Says   📅 *9 months ago*

Please reply sir
If I want to log in with another account, it doesn't work fully.

Somur Ruteeb Says   📅 *9 months ago*

Nice work,
I did this in my website, but the weakness that if the user uses
the mobile to login via facebook, he well redirect to facebook
on broweser not the facebook app. Is there any idea if i can
redirect to facebook app intead of broswer ??

Ajay Says 📅 *9 months ago*

sir it is not return email i dont know what happen
it is return name but not email i cant reach this problem
please help me

Saha Says 📅 *8 months ago*

Hi, Many many thanks for this good tutorial. Everything is
working fine .. But Now I want these randomly generate
password send to user through his email. Now what can I do
?

Nico Says 📅 *8 months ago*

Everything worked functionally except when it redirects me
back to my site im still not logged in,

Ghaith Says 📅 *8 months ago*

Nice guide, this however can't be tested longer as facebook
now refuse authentication from a non https source. it is not
possible to disable any new apps force https option. Any work
around?

Thanks for the help.

Nandini Says 📅 *8 months ago*

I got this error
Insecure Login Blocked: You can't get an access token or log
in to this app from an insecure page. Try re-loading the page
as https://
Please help me.

Fahmi Says 📅 *7 months ago*

hye,did u know how to retrieve picture from socialite
(fb/google) and make it as profile picture in laravel?

Saqib Khan Says 📆 *6 months ago*

Hello Kunal,

Thank you for such an elaborated and made easy tutorial. It works all fine. But When I try to login with facebook ot gives error "You are not logged in: You are not logged in. Please log in and try again."
And if I manually am logged in then it gives error about invalid access or something. In short it is not logging in from website. Please help.

Thanks

Veerapandian Says 📆 *6 months ago*

I got this error
Insecure Login Blocked: You can't get an access token or log in to this app from an insecure page. Try re-loading the page as https://
How can i solve this?

Fen Says   📅 *6 months ago*

It works on my site. However, google gives me an error about callback url:

————————————————————

URL:

https://dance.zhengfen.ch/callback

Error details

Linked from

Last crawled: 4/25/18

First detected: 4/24/18

Googlebot couldn't access the contents of this URL because the server had an internal error when trying to process the request. These errors tend to be with the server itself, not with the request. More info.

————————————————-

How to avoid this? maybe change the method of the url ?
Route::get('/callback', 'AuthFacebookController@callback');
-> Route::post'/callback',
'AuthFacebookController@callback');

Surabhi Says   📅 *6 months ago*

Thank You,very helpful post.

Fredrik Says   📅 *6 months ago*

Very nice guide! I wouldn't use md5(rand(1,10000)) for passwords, though, a password like that can be brute-forced in less than 10000 attempts. Use md5(random_bytes(64)) instead.

Jacek Chałupka Says   🗓 *4 months ago*

Great tutorial, thank You very much.

I just would like to ask a question, as I am new to Laravel. Why did You put creating or getting user in service not in controller itself? Just so the controller code would be clearer or is there another reason?

Sayeed Roshan Says   🗓 *4 months ago*

Awesome tutorial. Works fine for me,
Facing only one challenge, if i am in either in cart or any other page page after login it should redirect to the particular page. How can I achieve this, Please help me

Ronie Meque Says   🗓 *4 months ago*

Amazing tutorial. I'm usually lazy to comment thanking, but this time I just had to. Thanks!!!

Roslan Ramli Says   🗓 *3 months ago*

I am getting error from this line from the controller
$service is undefined

Roslan Ramli Says   🗓 *3 months ago*

Sorry, my bad, I forgot to inject $service

Roslan Ramli Says   🗓 *3 months ago*

Your instructions and code are good. Thanks, manage to deploy on a new live digitalocean host.

However on my development env, I am using ubuntu on windows and set one of the hosts as dev.company.biz. So I manage to get laravel with 'php artisan serve'landing page on dev.company.biz.

So, is it possible on the callback to return to dev.company.biz

Roslan Ramli Says   📅 *3 months ago*

How do I get facebook's avatar into the database. Please help me cause I just cannot proceed, since I have tried it since morning. I tried adding the below code to SocialFacbookAccountService.php

$user = User::create([
'email' => $providerUser->getEmail(),
'name' => $providerUser->getName(),
'password' => md5(rand(1,10000)),
'avatar' => $providerUser->getAvatar() // added code

]);
but I get null in the database.

Julian Says   📅 *2 months ago*

Nice posts! works really well

Demet Akyol Says   📅 *2 months ago*

Hello ,I have a question.
If the user is not registered, we are generating a random password and the user how to know use this password at the next login.

Swati Says   📅 *2 months ago*

login with only one email ..how we login with another email??

Kishan Paneri Says   📅 *1 month ago*

I got error like this

Can't Load URL: The domain of this URL isn't included in the app's domains. To be able to load this URL, add all domains and subdomains of your app to the App Domains field in your app settings.

Pat Says   📅 *3 weeks ago*

Whats the best way to add twitter into this setup. I have facebook up and working now but would like to extend it

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