Laravel 7/6 Socialite Login with Google Gmail Account

Step 1: Install Laravel 6

In this step, if you haven't laravel 6 application setup then we have to get fresh laravel 6 application. So run bellow command and get clean fresh laravel 6 application.

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

Step 2: Install Socialite

In first step we will install Socialite Package that provide api to connect with google account. So, first open your terminal and run bellow command:

```
composer require laravel/socialite
```

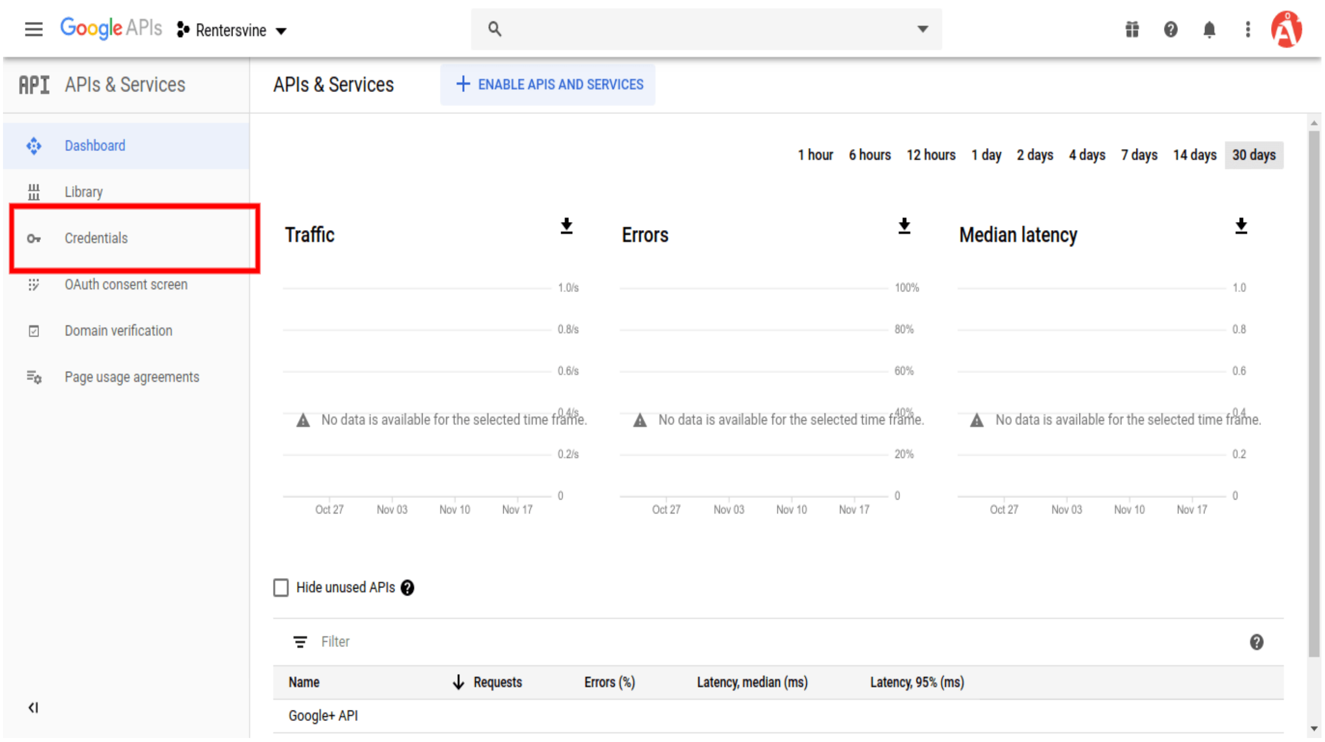
After install above package we should add providers and aliases in config file, Now open **config/app.php** file and add service provider and aliase.

```
'providers' => [

    ....

    Laravel\Socialite\SocialiteServiceProvider::class,

],

'aliases' => [

    ....

    'Socialite' => Laravel\Socialite\Facades\Socialite::class,

],
```

Read Also: Laravel Login with Linkedin using Socialite Package

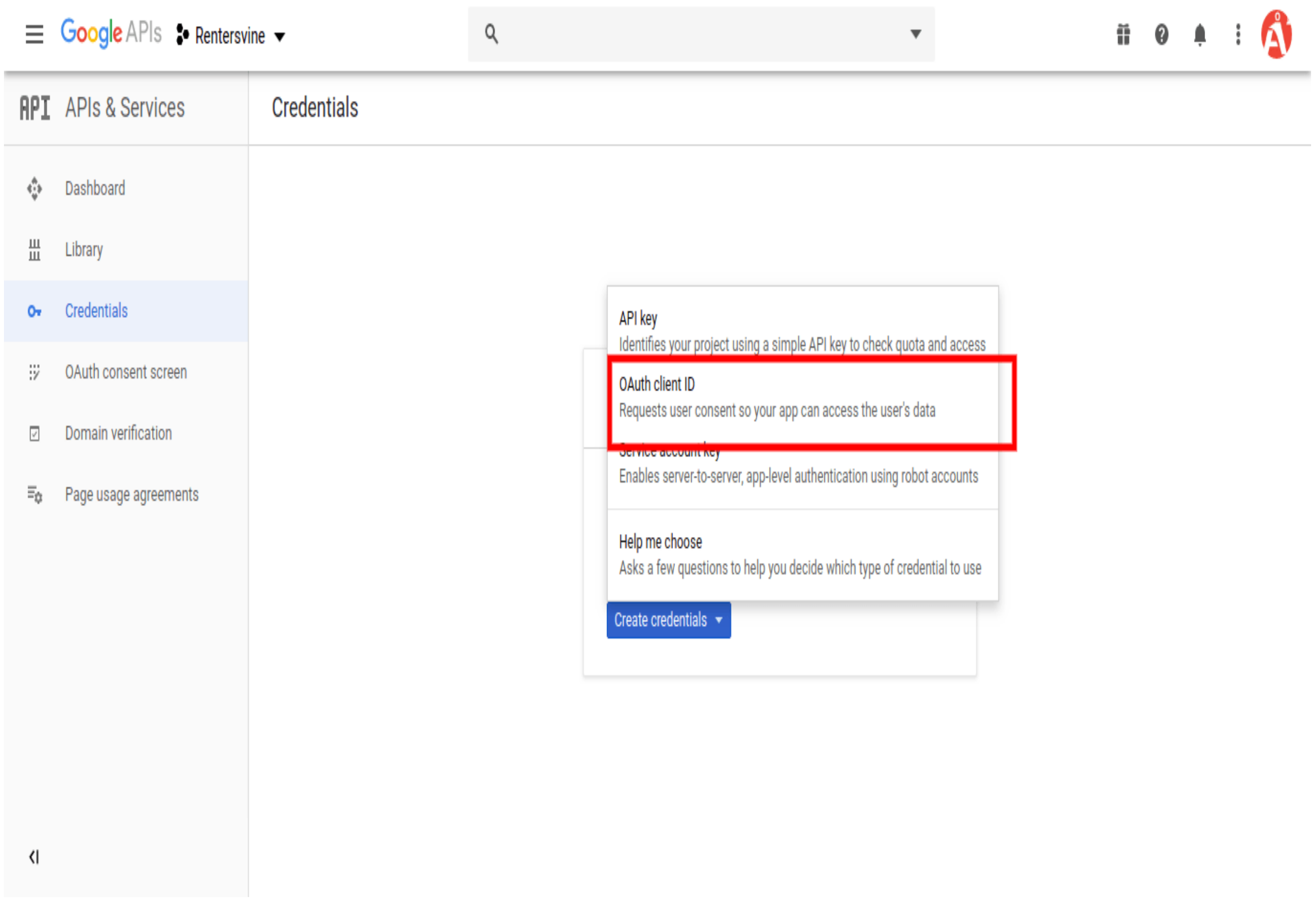
Step 3: Create Google App

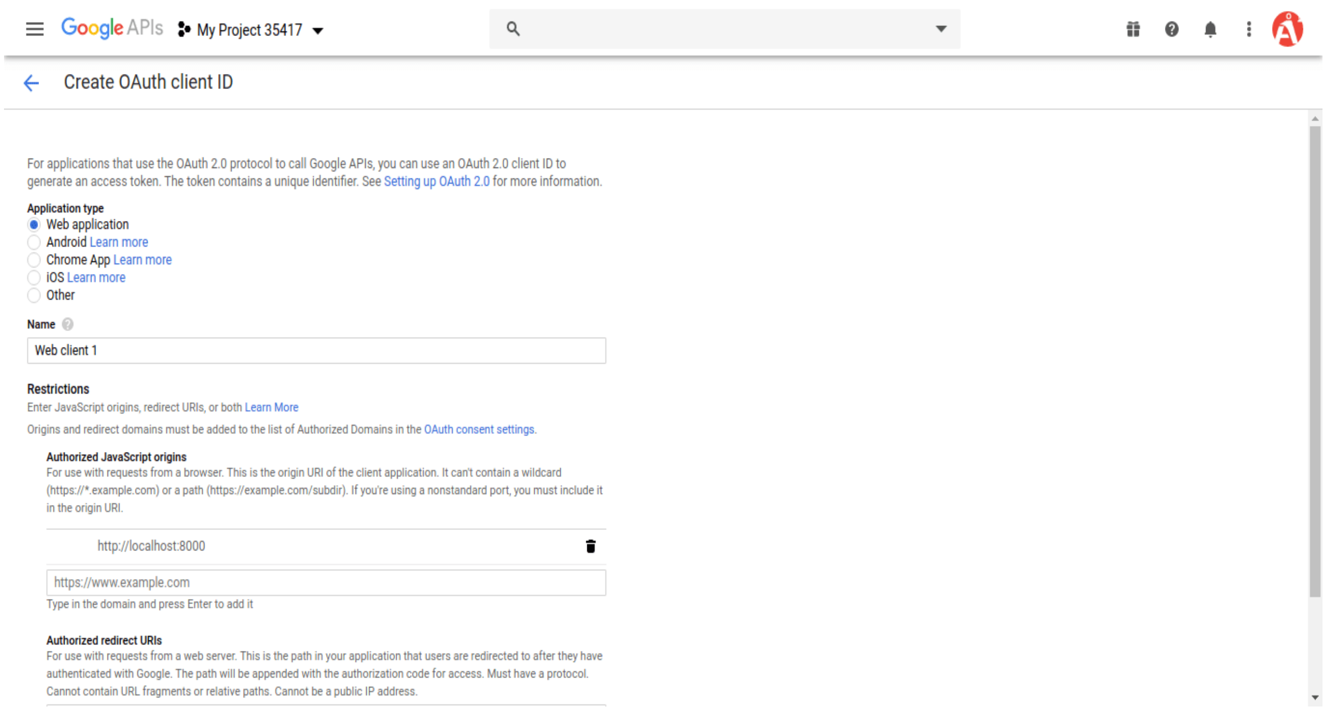
In this step we need google client id and secret that way we can get information of other user. so if you don't have google app account then you can create from here : https://console.developers.google.com/apis/dashboard?project=silken-forest-306207 you can find bellow screen :



Name	Requests	Errors (%)	Latency, median (ms)	Latency, 95% (ms)
Google+ API				

Now you have to click on **Credentials** and choose first option **oAuth** and click **Create new Client ID** button. now you can see following slide:


Google APIs
Rentersvine
APIs & Services
Credentials
Dashboard
Library
Credentials
OAuth consent screen
Domain verification
Page usage agreements
API key
Identifies your project using a simple API key to check quota and access
OAuth client ID
Requests user consent so your app can access the user's data
Service account key
Enables server-to-server, app-level authentication using robot accounts
Help me choose
Asks a few questions to help you decide which type of credential to use
Create credentials



Create OAuth client ID

For applications that use the OAuth 2.0 protocol to call Google APIs, you can use an OAuth 2.0 client ID to generate an access token. The token contains a unique identifier. See Setting up OAuth 2.0 for more information.

Application type
- ● Web application
- ○ Android Learn more
- ○ Chrome App Learn more
- ○ iOS Learn more
- ○ Other

Name
Web client 1

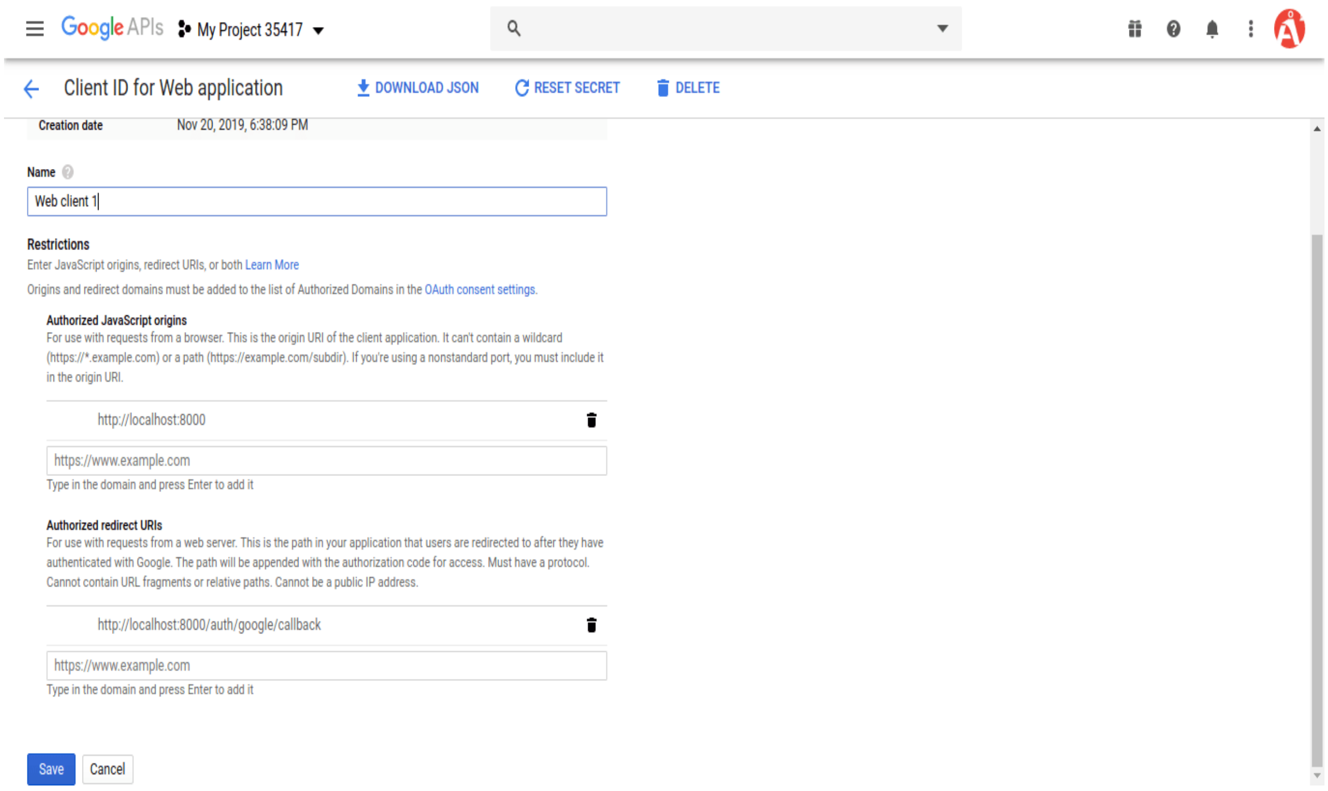
Restrictions
Enter JavaScript origins, redirect URIs, or both Learn More
Origins and redirect domains must be added to the list of Authorized Domains in the OAuth consent settings.

Authorized JavaScript origins
For use with requests from a browser. This is the origin URI of the client application. It can't contain a wildcard (https://*.example.com) or a path (https://example.com/subdir). If you're using a nonstandard port, you must include it in the origin URI.

http://localhost:8000

https://www.example.com
Type in the domain and press Enter to add it

Authorized redirect URIs
For use with requests from a web server. This is the path in your application that users are redirected to after they have authenticated with Google. The path will be appended with the authorization code for access. Must have a protocol. Cannot contain URL fragments or relative paths. Cannot be a public IP address.



Client ID for Web application

Creation date Nov 20, 2019, 6:38:09 PM

Name
Web client 1

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http://localhost:8000

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Authorized redirect URIs
For use with requests from a web server. This is the path in your application that users are redirected to after they have authenticated with Google. The path will be appended with the authorization code for access. Must have a protocol. Cannot contain URL fragments or relative paths. Cannot be a public IP address.

http://localhost:8000/auth/google/callback

https://www.example.com
Type in the domain and press Enter to add it

after create account you can copy client id and secret.

Now you have to set app id, secret and call back url in config file so open **config/services.php** and set id and secret this way:

config/services.php

```
return [

    ....

    'google' => [

        'client_id' => 'app id',

        'client_secret' => 'add secret',

        'redirect' => 'http://localhost:8000/auth/google/callback',

    ],

]
```

Step 4: Create Auth

In this step, we need to install laravel ui and generate auth in laravel 6 application so, let's run following command:

Install Laravel UI:

```
composer require laravel/ui
```

Create Auth:

```
php artisan ui bootstrap --auth
```

NPM Install:

```
npm install
```

Run NPM:

```
npm run dev
```

Step 4: Add Database Column

In this step first we have to create migration for add google_id in your user table. So let's run bellow command:

```
php artisan make:migration add_google_id_column
```

Migration

```
<?php



use Illuminate\Support\Facades\Schema;

use Illuminate\Database\Schema\Blueprint;

use Illuminate\Database\Migrations\Migration;



class AddGoogleIdColumn extends Migration

{

    /**

     * Run the migrations.

     *

     * @return void

     */

    public function up()

    {

        Schema::table('users', function ($table) {

            $table->string('google_id')->nullable();

        });
    }



    /**

     * Reverse the migrations.

     *

     * @return void

     */

    public function down()

    {

        //

    }

}
```

Update mode like this way:

app/User.php

```
<?php



namespace App;



use Illuminate\Contracts\Auth\MustVerifyEmail;

use Illuminate\Foundation\Auth\User as Authenticatable;

use Illuminate\Notifications\Notifiable;



class User extends Authenticatable
```

```php
{
    use Notifiable;


    /**
     * The attributes that are mass assignable.
     *
     * @var array
     */
    protected $fillable = [
        'name', 'email', 'password', 'google_id'
    ];


    /**
     * The attributes that should be hidden for arrays.
     *
     * @var array
     */
    protected $hidden = [
        'password', 'remember_token',
    ];


    /**
     * The attributes that should be cast to native types.
     *

     * @var array

     */

    protected $casts = [

        'email_verified_at' => 'datetime',

    ];

}
```

Step 5: Create Routes

After adding google_id column first we have to add new route for google login. so let's add bellow route in routes.php file.

app/Http/routes.php

```
Route::get('/', function () {

   return view('welcome');

});



Auth::routes();



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

Route::get('auth/google', 'Auth\GoogleController@redirectToGoogle');

Route::get('auth/google/callback', 'Auth\GoogleController@handleGoogleCallback');
```

Step 6: Create Controller

After add route, we need to add method of google auth that method will handle google callback url and etc, first put bellow code on your GoogleController.php file.

app/Http/Controllers/Auth/GoogleController.php

```
<?php


namespace App\Http\Controllers\Auth;


use App\Http\Controllers\Controller;

use Socialite;

use Auth;

use Exception;

use App\User;


class GoogleController extends Controller

{

    /**

     * Create a new controller instance.

     *

     * @return void

     */

    public function redirectToGoogle()

    {

        return Socialite::driver('google')->redirect();
```

```
}


/**

 * Create a new controller instance.

 *

 * @return void

 */

public function handleGoogleCallback()

{

    try {


        $user = Socialite::driver('google')->user();


        $finduser = User::where('google_id', $user->id)->first();


        if($finduser){


            Auth::login($finduser);


            return redirect('/home');


        }else{

            $newUser = User::create([
                'name' => $user->name,

                'email' => $user->email,

                'google_id'=> $user->id,

                'password' => encrypt('123456dummy')

            ]);


            Auth::login($newUser);


            return redirect('/home');

        }


    } catch (Exception $e) {

        dd($e->getMessage());

    }

  }

}
```

Step 7: Update Blade File

Ok, now at last we need to add blade view so first create new file login.blade.php file and put bellow code:

resources/views/auth/login.blade.php

Read Also: Send Email with Laravel 7/6 using Markdown Mailable Class

```
@extends('layouts.app')
```

```
@section('content')

<div class="container">

    <div class="row justify-content-center">

        <div class="col-md-8">

            <div class="card">

                <div class="card-header">Laravel 6 - Login with Google Account Example - ItSolutio
nStuuf.com</div>



                <div class="card-body">

                    <form method="POST" action="{{ route('login') }}">

                        @csrf



                        <div class="form-group row">

                            <label for="email" class="col-md-4 col-form-label text-md-right">{{ __('E-M
ail Address') }}</label>



                            <div class="col-md-6">

                                <input id="email" type="email" class="form-control @error('email') is-inva
lid @enderror" name="email" value="{{ old('email') }}" required autocomplete="email" auto
focus>



                                @error('email')

                                    <span class="invalid-feedback" role="alert">

                                        <strong>{{ $message }}</strong>

                                    </span>
                                @enderror

                            </div>

                        </div>



                        <div class="form-group row">

                            <label for="password" class="col-md-4 col-form-label text-md-right">{{ __('
Password') }}</label>



                            <div class="col-md-6">

                                <input id="password" type="password" class="form-control @error('passw
ord') is-invalid @enderror" name="password" required autocomplete="current-password">



                                @error('password')

                                    <span class="invalid-feedback" role="alert">

                                        <strong>{{ $message }}</strong>

                                    </span>

                                @enderror

                            </div>

                        </div>



                        <div class="form-group row">

                            <div class="col-md-6 offset-md-4">

                                <div class="form-check">

                                    <input class="form-check-input" type="checkbox" name="remember" id
="remember" {{ old('remember') ? 'checked' : '' }}>
```

```
                        <label class="form-check-label" for="remember">
                            {{ __('Remember Me') }}
                        </label>
                    </div>
                </div>
            </div>

            <div class="form-group row mb-0">
                <div class="col-md-8 offset-md-4">
                    <button type="submit" class="btn btn-primary">
                        {{ __('Login') }}
                    </button>

                    @if (Route::has('password.request'))
                        <a class="btn btn-link" href="{{ route('password.request') }}">
                            {{ __('Forgot Your Password?') }}
                        </a>
                    @endif

                    <a href="{{ url('auth/google') }}" style="margin-top: 20px;" class="btn btn-
lg btn-success btn-block">
                      <strong>Login With Google</strong>
                    </a>
                    </div>

                </div>

            </form>

        </div>

    </div>

  </div>

 </div>

</div>

@endsection
```

Ok, now you are ready to use open your browser and check here : URL + '/login'.