

# Laravel 8 File Upload Example

# laravel 8

# PHP

 Admin posted this 7 months ago 5 minutes to read

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## Laravel 8 File Upload Example

<https://codeanddeploy.com>

In this post, I will be going to share how to implement a simple **Laravel 8 file upload** with a database implementation. We will save the generated file name base on time, size, mime-type, and associate it with the current user logged. When developing an application using Laravel usually the file upload is always present even on a simple system.

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## Files

Add file

#	Name	Size	Type	Action
3	3_1630412858.png	26819	image/png	Delete
4	3_1630412905.png	76595	image/png	Delete
5	3_1630413025.png	39456	image/png	Delete
6	3_1630413049.png	76595	image/png	Delete
7	3_1630413109.png	50006	image/png	Delete

## Add file

The file field is required.

Choose File

No file chosen

Save

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## Files

Add file

File added successfully.

#	Name	Size	Type	Action
3	3_1630412858.png	26819	image/png	Delete
4	3_1630412905.png	76595	image/png	Delete
5	3_1630413025.png	39456	image/png	Delete
6	3_1630413049.png	76595	image/png	Delete
7	3_1630413109.png	50006	image/png	Delete
8	3_1630416003.png	18032	image/png	Delete

Just follow my simple steps and learn from them.

I assume that you have your **Laravel 8 Project** already in your local so we will skip that process. For more information on how to install Laravel just visit their [documentation](#).

Okay, let's start.

## Step 1: Create file upload migrations

First, we will create our files table migrations for our File model. Run the following command to do it:

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Then we will add our migrations field. See below the complete code for our migrations.

```
<?php

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

class CreateFilesTable extends Migration
{
    /**
     * Run the migrations.
     *
     * @return void
     */
    public function up()
    {
        Schema::create('files', function (Blueprint $table) {
            $table->id();
            $table->unsignedBigInteger('user_id');
            $table->string('name');
            $table->string('type');
            $table->string('size');
            $table->timestamps();
        });
    }
}
```

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```
        ->on('users')
        ->onDelete('cascade');
    });
}

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

Next, you have to run:

```
php artisan migrate
```

## Step 2: Create file upload controller and model

Use the command below to create your FileController with File model:

```
php artisan make:controller FileController --model=File
```

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## Step 3: Create file upload routes

Now, let's create your routes for our file upload:

```
/**
 * File Upload Routes
 */
Route::get('/files', 'FilesController@index')->name('files.index');
Route::get('/files/add', 'FilesController@create')->name('files.create');
Route::post('/files/add', 'FilesController@store')->name('files.store');
```

## Step 4: Setup Model

Next, we will set up our File model. See below the completed setup.

```
<?php

namespace App\Models;

use Illuminate\Database\Eloquent\Factories\HasFactory;
use Illuminate\Database\Eloquent\Model;

class File extends Model
{

    protected $table = 'files';
```

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```

        'user_id',
        'name',
        'type',
        'size'
    ];

    use HasFactory;
}

```

## Step 5: Setup Controller

Kindly see below the complete code of our controller including the file upload in **store()** method.

```

<?php

namespace App\Http\Controllers;

use App\Models\File;
use Illuminate\Http\Request;
use Illuminate\Http\UploadedFile;
use App\Http\Requests\StoreFileRequest;

class FilesController extends Controller
{
    /**
     * Display a listing of the resource
     */
}

```

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```
* @return \Illuminate\Http\Response
*/
public function index()
{
    $files = File::all();

    return view('files.index', [
        'files' => $files
    ]);
}

/**
 * Show the form for creating a new resource.
 *
 * @return \Illuminate\Http\Response
 */
public function create()
{
    return view('files.create');
}

/**
 * Store a newly created resource in storage.
 *
 * @param StoreFileRequest $request
 * @return \Illuminate\Http\Response
```

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```

    {
        $fileName = auth()->id() . '_' . time() . '.' . $request->file->extension();

        $type = $request->file->getClientMimeType();
        $size = $request->file->getSize();

        $request->file->move(public_path('file'), $fileName);

        File::create([
            'user_id' => auth()->id(),
            'name' => $fileName,
            'type' => $type,
            'size' => $size
        ]);

        return redirect()->route('files.index')->withSuccess(__('File added successfully'));
    }
}

```

## Step 6: Create StoreFileRequest

Now let's create a request class for a store/uploading file. Run the command below:

```
php artisan make:request StoreFileRequest
```

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After the **StoreFileRequest** class is generated kindly check the code below for our validation:

```
<?php

namespace App\Http\Requests;

use Illuminate\Foundation\Http\FormRequest;

class StoreFileRequest extends FormRequest
{
    /**
     * Determine if the user is authorized to make this request.
     *
     * @return bool
     */
    public function authorize()
    {
        return true;
    }

    /**
     * Get the validation rules that apply to the request.
     *
     * @return array
     */
    public function rules()
```

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```

        'file' => 'required|file|mimes:jpg,jpeg,bmp,png,doc,docx,csv,rtf'
    ];
}
}

```

## Step 7: Create View

First, we will create our **index.blade.php** see below the complete code:

```

@extends('layouts.app-master')

@section('content')
    <div class="bg-light p-5 rounded">
        <h1>Files</h1>
        <a href="{{ route('files.create') }}" class="btn btn-primary float-right">
            Create File
        </a>

        @include('layouts.partials.messages')

        <table class="table table-striped">
            <thead>
                <tr>
                    <th scope="col">#</th>
                    <th scope="col">Name</th>
                    <th scope="col">Size</th>
                    <th scope="col">Type</th>

```

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```

        </thead>
        <tbody>
            @foreach($files as $file)
                <tr>
                    <td width="3%">{{ $file->id }}</td>
                    <td>{{ $file->name }}</td>
                    <td width="10%">{{ $file->size }}</td>
                    <td width="10%">{{ $file->type }}</td>
                    <td width="5%"><a href="{{ $file->type }}" class="btn btn-da
                </tr>
            @endforeach
        </tbody>
    </table>
</div>
@endsection

```

Second, **create.blade.php** for our uploading file.

```

@extends('layouts.app-master')

@section('content')
    <div class="bg-light p-5 rounded">
        <h1>Add file</h1>

        <form action="{{ route('files.store') }}" method="post" enctype="mul

```

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```
<div class="form-group mt-4">
  <input type="file" name="file" class="form-control" accept=".jpg,.jpeg,.bmp,.png,.gif,.doc,.docx,.csv,.rtf,.xlsx,.xls,.txt,.pdf,.zip" />
</div>

<button class="w-100 btn btn-lg btn-primary mt-4" type="submit">
</form>

</div>
@endsection
```

As you can see from our **input=file** we added **accept** attribute with a value of `".jpg,.jpeg,.bmp,.png,.gif,.doc,.docx,.csv,.rtf,.xlsx,.xls,.txt,.pdf,.zip"` it will help to only accept base on specified file extensions.

[Download Source Code](#)

Thank you for reading. I hope it helps.

Happy coding :)

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