

Day14 – Multer, Buffer and File upload

Multer: Single and Multiple Files

```
1
2 import { AppService } from './app.service';
3 import { Controller, Post, Get, UploadedFile, UploadedFiles, UseInterceptors, } from '@nestjs/common';
4 import { FileInterceptor, FilesInterceptor } from '@nestjs/platform-express';
5 import { diskStorage } from 'multer';
6 import { extname } from 'path';
7
8 @Controller()
9 export class AppController {
10   constructor(private readonly appService: AppService) {}
11
12   @Get()
13   getHello(): string {
14     return this.appService.getHello();
15   }
16
17   @Post('single')
18   @UseInterceptors(FileInterceptor('file', {
19     storage: diskStorage({
20       destination: './uploads',
21       filename: (req, file, callback) => {
22         const unique = Date.now() + extname(file.originalname);
23         callback(null, `${file.fieldname}-${unique}`);
24       },
25     })),
26   )))
27   uploadSingle(@UploadedFile() file: Express.Multer.File) {
28     return { file };
29   }
30
31   @Post('multiple')
32   @UseInterceptors(FilesInterceptor('files', 5, {
33     storage: diskStorage({
34       destination: './uploads',
35       filename: (req, file, callback) => {
36         const unique = Date.now() + extname(file.originalname);
37         callback(null, `${file.fieldname}-${unique}`);
38       },
39     })),
40   )))
41   uploadMultiple(@UploadedFiles() files: Express.Multer.File[]) {
42     return { files };
43   }
```

POST

http://localhost:3000/single

Params

Authorization

Headers (11)

Body

Scripts

Settings

none


form-data

x-www-form-urlencoded

raw

binary

GraphQL

	Key		Value
<input checked="" type="checkbox"/>	file	File	 jafar_beldar.jpg
	Key	Text	Value

Body

Cookies

Headers (7)

Test Results

{}

JSON

Preview

Visualize

```
1  {
2    "file": {
3      "fieldname": "file",
4      "originalname": "jafar_beldar.jpg",
5      "encoding": "7bit",
6      "mimetype": "image/jpeg",
7      "destination": "./uploads",
8      "filename": "file-1745327077715.jpg",
9      "path": "uploads\\file-1745327077715.jpg",
10     "size": 39880
11   }
```

POST

http://localhost:3000/multiple

Send

Params

Authorization

Headers (11)

Body

Scripts

Settings

Cookies

none





form-data

x-www-form-urlencoded

raw

binary

GraphQL

	Key		Value	Description		Bulk Edit
<input checked="" type="checkbox"/>	files	File	 jafar_beldar.jpg			
<input checked="" type="checkbox"/>	files	File	 CFCS.pdf			

Body

Cookies


Headers (7)


Test Results

201 Created

10 ms

683 B





Save Response

{}

JSON

Preview

Visualize

files [2]

	fieldname	originalname	encoding	mimetype	destination	filename	path	size
0	files	jafar_beldar.jpg	7bit	image/jpeg	./uploads	files-1745326891748.jpg	uploads/files-1745326891748.jpg	39880
1	files	CFCS.pdf	7bit	application/pdf	./uploads	files-1745326891749.pdf	uploads/files-1745326891749.pdf	106245

Buffer:

```
1  @Post('buffer')
2  @UseInterceptors(FileInterceptor('file'))
3  handleBuffer(@UploadedFile() file: Express.Multer.File) {
4    const base64 = file.buffer.toString('base64');
5    return {
6      originalName: file.originalname,
7      size: file.size,
8      base64Preview: base64.slice(0, 100) + '...',
9    };
10 }
11
```

SpringTodoApplication / http://localhost:8080/todo

POST http://localhost:3000/buffer

Params Authorization Headers (11) Body Scripts Settings

☐ none ☒ form-data ☐ x-www-form-urlencoded ☐ raw ☐ binary ☐ GraphQL

	Key		Value	Description
<input checked="" type="checkbox"/>	file	File	jafar_beldar.jpg	
	Key	Text	Value	Description

Body Cookies Headers (7) Test Results

201 Created • 21 ms • 411 B •

{ } JSON Preview Visualize

```
1  {
2    "originalName": "jafar_beldar.jpg",
3    "size": 39880,
4    "base64Preview": "/9j/4AAQSkZJRgABAQEASABIAAD/4gHYSUNDX1BST0ZJTEUAAQEA... "
5  }
```

