

```
import {
  Controller,
  Post,
  UploadedFile,
  UploadedFiles,
  UseInterceptors,
} from '@nestjs/common';
import { FileInterceptor, FilesInterceptor }
from '@nestjs/platform-express';
import { diskStorage } from 'multer';
import { extname } from 'path';

@Controller('upload')
export class FileUploadController {

  @Post('single')
  @UseInterceptors(FileInterceptor('file', {
    storage: diskStorage({
      destination: './uploads',
      filename: (req, file, cb) => {
        const uniqueSuffix = Date.now() + '-' +
Math.round(Math.random() * 1e9);
        cb(null,
`${file.fieldname}-${uniqueSuffix}${extname(file.o
riginalname)}`);
      },
    }),
  })),
}
```

```
    uploadSingle(@UploadedFile() file:
Express.Multer.File) {
    return {
        message: 'Single file uploaded
successfully!',
        file,
    };
}

@Post('multiple')
@UseInterceptors(FilesInterceptor('files', 5,
{
    storage: diskStorage({
        destination: './uploads',
        filename: (req, file, cb) => {
            const uniqueSuffix = Date.now() + '-' +
Math.round(Math.random() * 1e9);
            cb(null,
`${file.fieldname}-${uniqueSuffix}${extname(file.o
riginalname)}`);
        },
    }),
}))
    uploadMultiple(@UploadedFiles() files:
Express.Multer.File[]) {
    return {
        message: 'Multiple files uploaded
successfully!',
```

```
files,

};

}

}
```

OUTPUT

Single file

Getting started

POST http://localhost:3000/t

No environment

HTTP

http://localhost:3000/upload/single

Save

Share

POST

http://localhost:3000/upload/single

Send

Params

Authorization

Headers (8)

Body

Scripts

Settings

Cookies

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

	Key		Value	Description	Bulk Edit
<input checked="" type="checkbox"/>	file	File	Day14.pdf		
	Key	Text	Value	Description	

Body

Cookies

Headers (7)

Test Results

201 Created • 71 ms • 529 B •

JSON

Preview

Visualize

```
1 {
2   "message": "Single file uploaded successfully!",
3   "file": {
4     "fieldname": "file",
5     "originalname": "Day14.pdf",
6     "encoding": "7bit",
7     "mimetype": "application/pdf",
8     "destination": "./uploads",
9     "filename": "file-1745343844755-833845956.pdf",
10    "path": "uploads\\file-1745343844755-833845956.pdf",
11    "size": 741533
12  }
```

Multiple files

The screenshot shows a REST client interface with a POST request to `http://localhost:3000/upload/multiple`. The request body is set to `form-data`. Two files are attached: `Day14.pdf` and `Day12TypeOrmAndCRUD....pdf`. The response is a JSON array of two objects, each representing a file upload.

Key	Value	Description
files	Day14.pdf	
files	Day12TypeOrmAndCRUD....pdf	

```
{
  "fieldname": "files",
  "originalname": "Day14.pdf",
  "encoding": "7bit",
  "mimetype": "application/pdf",
  "destination": "./uploads",
  "filename": "files-1745343916839-315742797.pdf",
  "path": "uploads\\files-1745343916839-315742797.pdf",
  "size": 741533
},
{
  "fieldname": "files",
  "originalname": "Day12TypeOrmAndCRUD.pdf",
  "encoding": "7bit",
  "mimetype": "application/pdf",
  "destination": "./uploads",
  "filename": "files-1745343916844-129526930.pdf",
  "path": "uploads\\files-1745343916844-129526930.pdf",
  "size": 741533
}
```

Buffer

```
import {
  Controller,
  Post,
  UploadedFile,
  UseInterceptors,
} from '@nestjs/common';
import { FileInterceptor } from
 '@nestjs/platform-express';
```

```
import * as multer from 'multer';

@Controller('buffer')
export class BufferUploadController {

    @Post('upload')
    @UseInterceptors(FileInterceptor('file', {
        storage: multer.memoryStorage()
    }))
    handleFileUpload(@UploadedFile() file:
Express.Multer.File) {
        return {
            message: 'File uploaded to buffer
successfully!',
            filename: file.originalname,
            mimetype: file.mimetype,
            sizeInBytes: file.buffer.length,
            preview:
file.buffer.toString('base64').substring(0, 100) +
'...',
        };
    }
}
```

HTTP

http://localhost:3000/buffer/upload

Save

Share

POST

http://localhost:3000/buffer/upload

Send

Params

Authorization

Headers (8)

Body

Scripts

Settings

Cookies

☐ none

☒ form-data

☐ x-www-form-urlencoded

☐ raw

☐ binary

☐ GraphQL

	Key		Value	Description	...	Bulk Edit
<input checked="" type="checkbox"/>	file	File	Day14.pdf			
	Key	Text	Value	Description		

Body

Cookies

Headers (7)

Test Results

201 Created

37 ms

481 B

{}

JSON

Preview

Visualize

```
1  {
2    "message": "File uploaded to buffer successfully!",
3    "filename": "Day14.pdf",
4    "mimetype": "application/pdf",
5    "sizeInBytes": 741533,
6    "preview":
      "JVBERi0xLjQKJdPr6eEKMSAwIG9iago8PC9UaXRzZSAoRGF5MTQpC19Qcm9kdWNlciAoU2tpYS9QREYgbTEzNyBHb29nbG
      UgRG9j..."
7  }
```