

- [README.md](#)
- [File Upload API](#)
 - [Features](#)
 - [Setup](#)
 - [Usage](#)
 - [Share](#)
 - [Troubleshooting](#)

README.md

File Upload API

A simple FastAPI app to upload files, JSON, and text to MongoDB Atlas GridFS, with a basic HTML frontend.

Features

- Upload: PDFs, images ([.jpg](#), [.png](#)), JSON, text.
- Storage: Separate GridFS buckets ([pdf](#), [image](#), [other](#)).
- Frontend: Upload, list, download, update, delete via UI.

Setup

1. Clone (if using Git):

```
git clone https://github.com/saifulislam735/File-Upload-API.git
cd File-Upload-API
```

2. Virtual Env:

```
python -m venv venv
venv\Scripts\activate # Windows
```

3. Install:

```
pip install fastapi uvicorn pymongo python-dotenv python-multipart
```

4. MongoDB:

- Get URI from mongodb.com.
- Add to `.env`:

```
MONGODB_URI=mongodb+srv://myuser:mypassword@cluster0.xyz123.mongodb.net/?  
retryWrites=true&w=majority
```

5. Run API: for share link in the same network

```
uvicorn app.main:app --reload --host 0.0.0.0 --port 8000
```

- URL: `http://172.16.225.76:8000/docs`

or for your own machine

```
python -m uvicorn app.main:app --host 127.0.0.1 --port 8000 --reload
```

- URL: `http://127.0.0.1:8000/docs`

6. Run Frontend:

```
cd E:\Frontend  
python -m http.server 8001
```

- URL: `http://172.16.225.76:8001`

Usage

- **API:** `http://172.16.225.76:8000`
 - **POST** `/upload/`: File, JSON, or text.

- `GET /files/`: List all.
- `GET /file/{file_id}/{bucket}`: Download.
- `PUT /file/{file_id}/{bucket}`: Update.
- `DELETE /file/{file_id}/{bucket}`: Delete.
- **Frontend**: Upload and manage via UI.

Share

- Within Same Network
 - API: `http://172.16.225.76:8000/docs`
 - UI: `http://172.16.225.76:8001`

Troubleshooting

- **No Access**: Check Wi-Fi, allow port 8000 in firewall.
- **Errors**: Verify `.env` URI, ensure server's running.