📘 API Documentation: PDF to JPG Converter

# 🧾 Overview

This API allows users to convert PDF documents into JPG image files using either:  
- A direct PDF file upload  
- A public PDF URL  
  
Each page in the PDF is converted to a high-quality .jpg image.

# 🔐 API Key

Every request must include a valid API key.  
  
- API Key: saif-00-22  
- Sent as a form-data field named api\_key  
  
If the key is missing or incorrect, the API returns:  
{ "detail": "Invalid API Key" }

# 🚀 Endpoints

## 1. /convert/file

Convert PDF via file upload

Method: POST  
Content-Type: multipart/form-data

Form Fields:  
- api\_key (string, required): Your API key  
- file (UploadFile, required): The PDF file to convert

Example Response:  
{  
 "file\_id": "...",  
 "download\_links": ["/download/file\_page\_1.jpg"]  
}

## 2. /convert/url

Convert PDF using a remote URL

Method: POST  
Content-Type: multipart/form-data

Form Fields:  
- api\_key (string, required): Your API key  
- url (string, required): A direct link to the PDF file

Example Response:  
{  
 "file\_id": "...",  
 "download\_links": ["/download/file\_page\_1.jpg"]  
}

## 3. /download/{filename}

Download a converted image

Method: GET  
Path Parameter: filename — name returned in download\_links

# 🔁 Postman Usage

Convert PDF via File:  
- POST http://localhost:8000/convert/file  
- Body → form-data  
 - api\_key: saif-00-22  
 - file: (upload your PDF file)

Convert PDF via URL:  
- POST http://localhost:8000/convert/url  
- Body → form-data  
 - api\_key: saif-00-22  
 - url: https://example.com/sample.pdf

Download Image:  
- GET http://localhost:8000/download/{filename}

# ❗ Error Handling

HTTP Code | Message | Cause  
-----------|---------|------  
400 | Missing file or URL | Required field not provided  
400 | Failed to fetch PDF | Invalid or inaccessible URL  
401 | Invalid API Key | Missing or incorrect api\_key  
404 | Image not found | File has not been created or wrong name  
500 | Conversion failed | PDF corrupted, unreadable, or system error

# 🧠 Notes

- Converts each page of a PDF to a separate .jpg file.  
- Returned download\_links can be used directly to fetch images.  
- File size and page count affect conversion speed.