

L2 [GX2-5395] [L2] SUT: iLovePDF (API)

Created: 01/Aug/23 8:55 PM - Updated: 15/Aug/23 6:26 PM

Status:	In Progress	Priority:	Highest
Project:	GALAXY LEVEL 2		
Type:	Epic	Priority:	Highest
Reporter:	Elyer Maldonado	Assignee:	Unassigned
Resolution:	Unresolved	Votes:	0
Labels:	None		
Original Estimate:	Not Specified		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		made with Better PDF Exporter for Jira

Description

<https://developer.ilovepdf.com/docs/api-reference>

FEATURES:

- El PASO A PASO para trabajar con este SUT es:
 1. Se obtiene un SERVER y una TAREA para ejecutar (Process)
 2. Se sube el Archivo al mismo SERVER obtenido.
 3. Se ejecuta el PROCESO de la TAREA obtenida.
 4. Se descarga el Archivo del SERVER donde ha sido procesado previamente.

COMPONENTES:

- SERVER:
 - US: GET - Obtener un Server y un TaskID
- UPLOAD:
 - US: POST - Cargar un archivo al Server.
- PRODUCTS/TOOLS (PROCESS):
 - POST:
 - merge,
 - split,
 - compress,
 - pdfjpg,
 - imagepdf,
 - unlock,
 - pagenumber,
 - watermark,
 - officepdf,
 - repair,
 - rotate,
 - protect,
 - pdfa,
 - validatepdfa,
 - htmlpdf,
 - extract.
- DOWNLOAD:
 - US: GET - Descargar archivos del server.

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DOCUMENTATION: Quick Start

This Reference is for developers who wish to create their own API library or for those who don't find their preferred library in our library compatibility list. The quickest way to start using our API is to:

- [Register as a developer](#). (after Signing Up, you will have until 250 Files to use as tokens)
- Get a Project ID and its related Secret Key from the [API Keys](#) section of your console.

Project name	Public key	Secret key	Creation date
Default Project	project_public_09413...	[REDACTED]	Aug 1, 2023, 11:57:44 PM

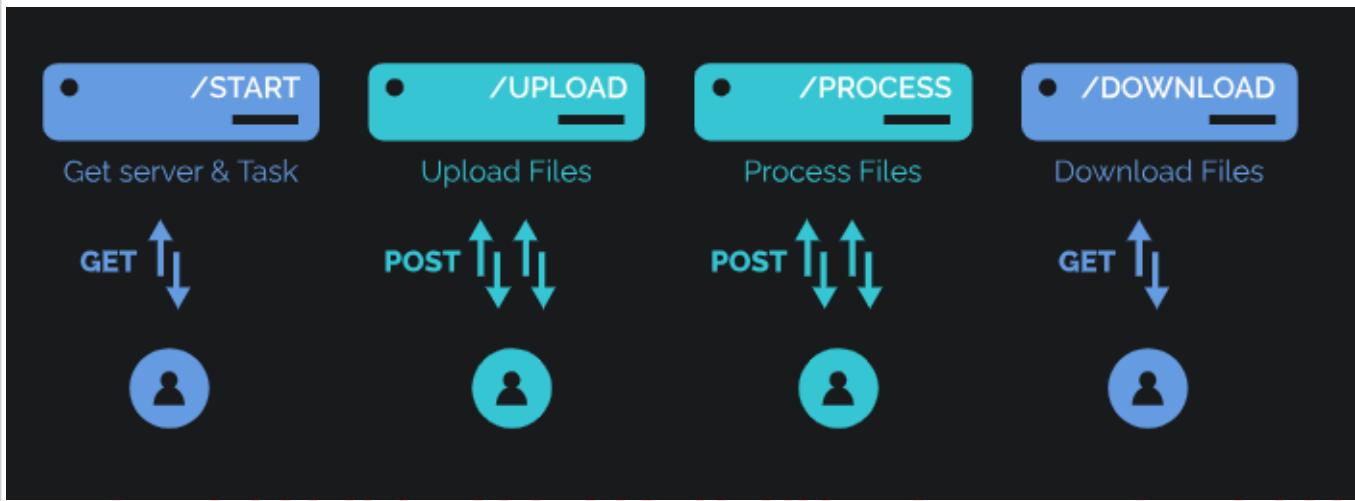
- Download one of our API Libraries.
- Try out our demos in the API Library.
- Lastly, remember to read this documentation!

If you have any comments or suggestions for this documentation or the API, please don't hesitate to [contact us](#).

Request workflow

The PDF processing workflow with iLovePDF API is very simple and consists of 4 basic request instructions: [Start task](#), [Upload files](#), [Process files](#) and [Download files](#). Once the API has executed these four steps, your PDF files will have been processed with your desired tool and downloaded anywhere you like.

Below you will see a complete reference to these 4 requests and the parameters for each step.



HOW TO GET BEARER TOKEN (AUTH)

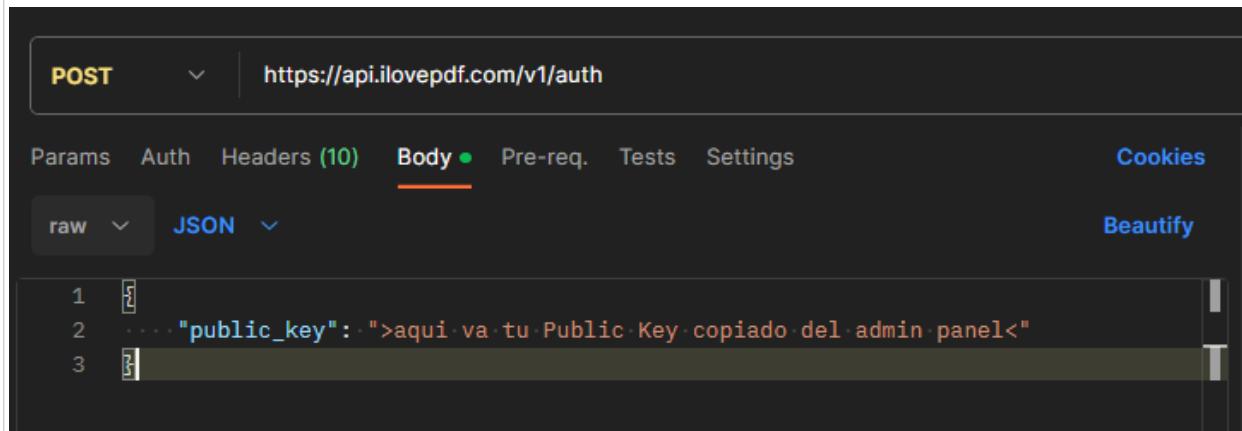
You must use your secret and public key pair to generate the signed token to send in to the {{Authorization: Bearer

{signed_token}} Take into account that all signed tokens expire after 2 hours.
When you send a request to the /auth resource, you will receive the token to use in your {{Authorization: Bearer {signed_token}}}
that you'll send in every request (**/start**, **/upload**, **/process**, **/download**).

✓ Request to Authenticate: (POST)

```
https://api.ilovepdf.com/v1/auth
```

The “Public Key” must be sent as Body parameter. Example:



POST | https://api.ilovepdf.com/v1/auth

Params Auth Headers (10) **Body** • Pre-req. Tests Settings Cookies Beautify

raw JSON

```
1 {
2   "public_key": ">aqui va tu Public Key copiado del admin panel<"
3 }
```

The Response should be as:



Response

```
{
  "token": "eyJ0eXAiOiJKV1Q..."
```

RECOMMENDATION: Save this value as {{bearerToken }}environment Variable and then use it on Collection Auth.

HTTP iLovePDF API Collection / GetBearerToken / **Authenticate**

POST <https://api.ilovepdf.com/v1/auth>

Tests [...](#) Test Results [...](#) 2... 643 ms 707 B

```
1 const token = pm.response.json().token
2
3 pm.test('Should be Status 200 OK', ()=>{
4   pm.response.to.have.status(200)
5   pm.expect(token).to.be.an['string']
6 }
7 )
8
9 pm.environment.set('bearerToken', token)
```

All Passed Skipped Failed

PASS Should be Status 200 OK

iLovePDF API Collection [Share](#)

Overview Authorization • Pre-request Script Tests Variables Runs

This authorization method will be used for every request in this collection. You can override this in individual requests.

Type [Bearer Token](#)

The authorization header will be automatically generated when you send the request. Learn more about [authorization](#) ↗

ⓘ Heads up! These parameters hold sensitive data. To keep this data secure while working in a collaborative environment, we recommend using variables. [Learn more about variables](#) ↗

Token [{{bearerToken}}](#)

NEXT STEP: GET SERVER AND TASK

Request to Get Server & Task ID: (GET)

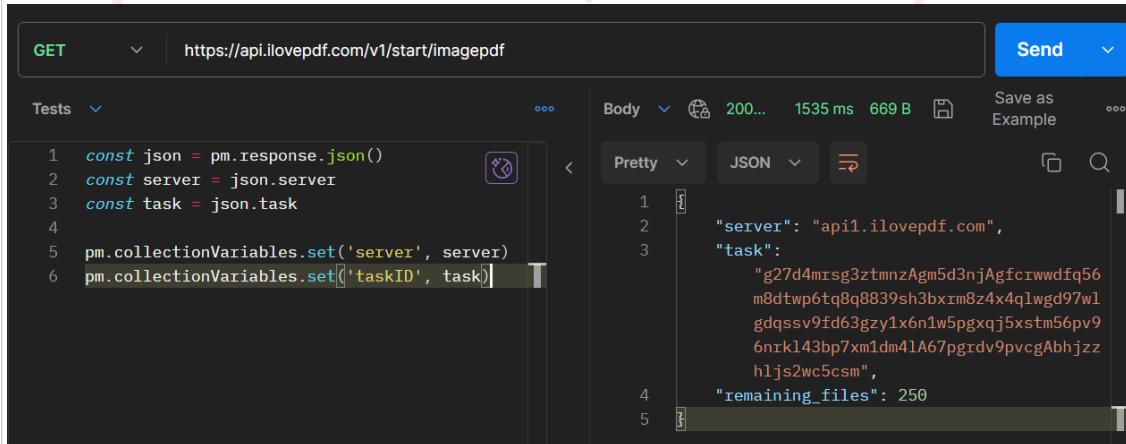
```
https://api.ilovepdf.com/v1/start/{tool}
```

WHERE given {{

{tool}}

}} you can replace it by any task name:

Accepted values: merge, split, compress, pdf jpg, imagepdf, unlock, pagenumber, watermark, officepdf, repair, rotate, protect, pdfa, validatepdfa, htmlpdf, extract.



```
const json = pm.response.json()
const server = json.server
const task = json.task
pm.collectionVariables.set('server', server)
pm.collectionVariables.set(['taskID'], task)
```

```
{
  "server": "api1.ilovepdf.com",
  "task": "g27d4mrs3ztnnzAgn5d3njAgfcrwdfq56m8dtwp6tq8q8839sh3bxrn8z4x4qlwg97wlgdqssv9fd63gzy1x6n1w5pxqj5xstn56pv96nrlk143bp7xm1dm41A67pgrdv9pvvcgAbhjzzhljs2wc5csm",
  "remaining_files": 250
}
```

Once you have the Task ID and the Server stored as CollectionVariables, you can use them in the next stage.

NEXT STEP: UPLOAD FILE

Request to UPLOAD FILE: (POST)

```
https://{{server}}/v1/upload
```

- WHERE given {{ {server}}} you can replace it by the CollectionVariable server stored.
 - * [REQUIRED] **task** === string: Task ID where the files must be uploaded.
 - * [REQUIRED] **file** === File: File to be uploaded.
 - * **chunk** === integer: If it is a chunk upload this number indicates the number of chunks being uploaded. Always send the chunks in order. First chunk must be 0.
 - * **chunks** === integer: If it is a chunk upload this number indicates the total number of chunks for this file.

If the uploaded source file is local, the data must be sent using **form-data** request type.

POST https://{{server}}/v1/upload

Params Authorization Headers (11) Body • Pre-request Script Tests Settings Cookies

Body Type: form-data

Key	Value	Description
<input checked="" type="checkbox"/> file	gxwoman.png	choose file to be processed by the task later.
<input checked="" type="checkbox"/> task	{{taskID}}	
Key	Value	Description

h1. NEXT STEP: PROCESS with Better PDF Exporter for Jira

Once the files are uploaded for the Task, this resource initiates the processing of all files. In the request you must specify which files you want to process from the uploaded ones in Step 2 (Upload).

h3. Request to PROCESS FILE: (POST) https://{{server}}

/v1/process

```
* WHERE given {{server}} you can replace it by the CollectionVariable {{server}} stored.
* * The data must be provided as Body parameter._*
* {color:#FF5630}*[ REQUIRED ]*{color} *task* === string: Task ID where the files must be uploaded.
* {color:#FF5630}*[ REQUIRED ]*{color} *tool* === string: _Accepted values_*: {{merge, split,
compress, pdfjpg, imagepdf, unlock, pagenumber, watermark, officepdf, repair, rotate, protect, pdfa,
validatepdfa, htmlpdf, extract.}}
* {color:#FF5630}*[ REQUIRED ]*{color} *files* === object[]: *Files to process. The order of the
array will be the order that files will be processed. The files has the following attributes:
** {color:#FF5630}*[ REQUIRED ]*{color} *server_filename* string: Server file name.
** {color:#FF5630}*[ REQUIRED ]*{color} *filename* string: Original filename of the file to process
```

!image-20230802-010807.png|width=91.666666666667%!

h1. NEXT STEP: DOWNLOAD

Download the output files for the given task. If there is only one output file, it is served directly. If there is more than one file, they are served in a compressed ZIP folder. If there is more than one processed file, there will be multiple output files for every processed file. The ZIP will contain a folder for every processed file.

h3. (/) Request to DOWNLOAD FILE: (GET)

https://{{server}}/v1/download/{{taskID}}

- WHERE given {{server}}
}} you can replace it by the CollectionVariable server stored.
- WHERE given {{taskID}}
}} you can replace it by the CollectionVariable taskID stored.

GET https://{{server}}/v1/download/{{taskID}}

Send

Params Authorization Headers (9) Body Pre-request Script Tests Settings Cookies

Query Params

Key	Value	Description
Key	Value	Description

HTTP iLovePDF API Collection / Download File

Save Send

GET https://{{server}}/v1/download/{{taskID}}

Body Cookies (1) Headers (18) Test Results • 200 OK 1748 ms 135.24 KB Save as Example ⚙️

Save response to file Clear response



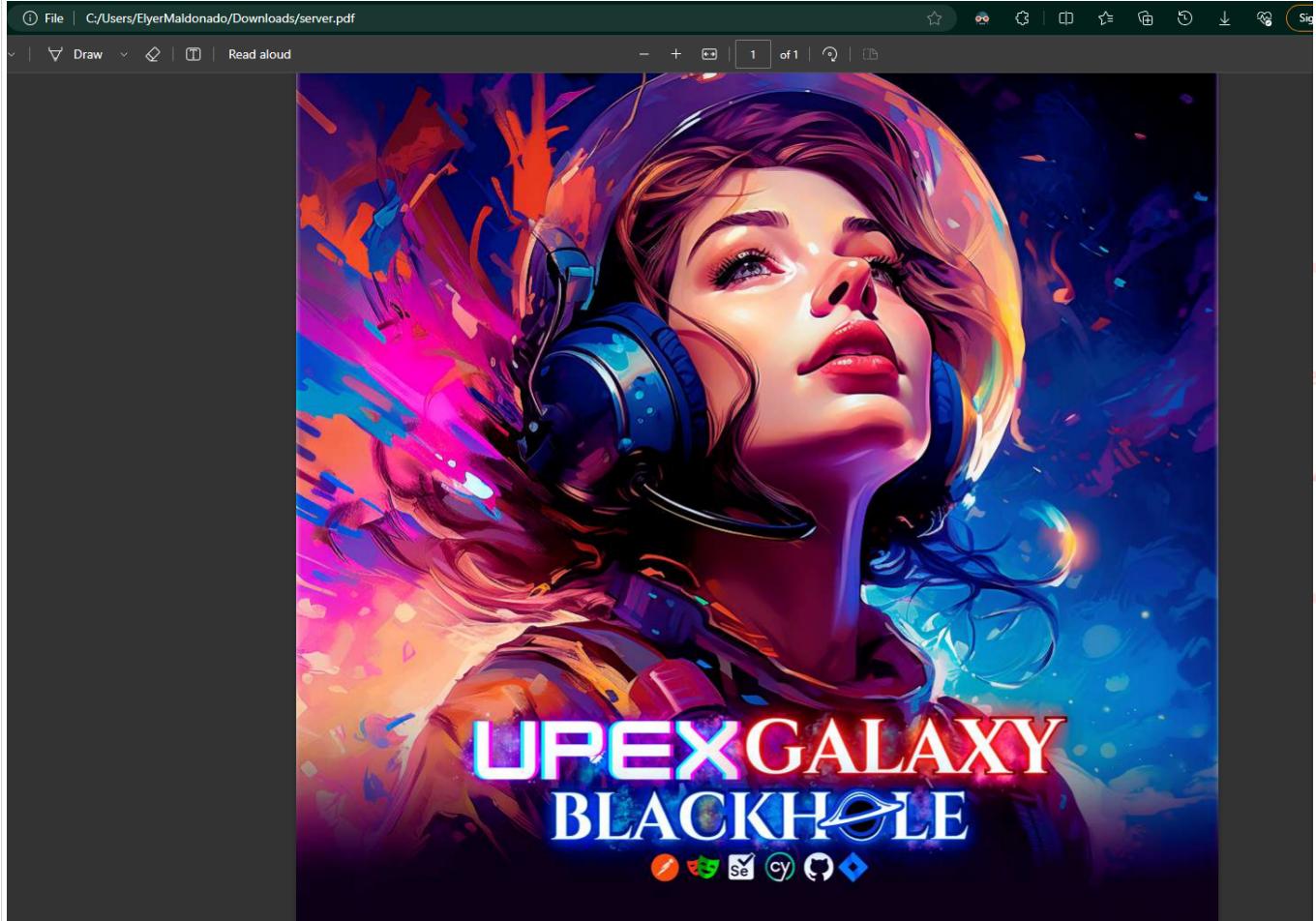
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When the file is save, now you can use it. Example in this case:



Attachments

API keys

Projects and keys				Add new project
Project name	Public key	Secret key	Creation date	
Default Project	project_public_09413...	Aug 1, 2023, 11:57:44 PM	

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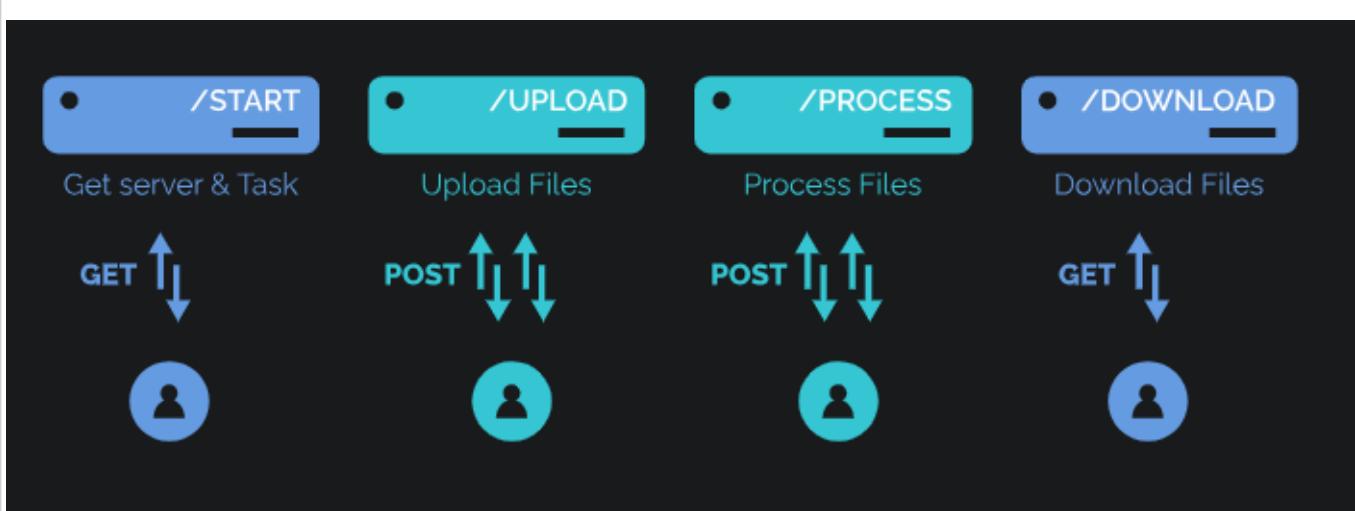


image-20230802-000040.png (26 kB) | TRIAL VERSION | TRIAL

POST https://api.ilovepdf.com/v1/auth

Params Auth Headers (10) Body **Pre-req.** Tests Settings Cookies Beautify

raw JSON

```
1 [ {  
2     "public_key": ">aqui va tu Public Key copiado del admin panel<"  
3 } ]
```

image-20230802-001346.png (19 kB)

Response

```
{  
    "token": "eyJ0eXAiOiJKV1Q..."  
}
```

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image-20230802-001450.png (5 kB)

HTTP iLovePDF API Collection / GetBearerToken / **Authenticate**

POST <https://api.ilovepdf.com/v1/auth>

Tests ... Test Results ... 2... 643 ms 707 B

All Passed Skipped Failed

```
1 const token = pm.response.json().token
2
3 pm.test('Should be Status 200 OK', ()=>{
4   |
5     pm.response.to.have.status(200)
6     pm.expect(token).to.be.an['string']
7   }
8
9 pm.environment.set('bearerToken', token)
```

PASS Should be Status 200 OK

image-20230802-002027.png (67 kB)

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iLovePDF API Collection

Share

Overview Authorization • Pre-request Script Tests Variables Runs

This authorization method will be used for every request in this collection. You can override this in individual requests.

Type Bearer Token

The authorization header will be automatically generated when you send the request. Learn more about [authorization](#)

(i) Heads up! These parameters hold sensitive data. To keep this data secure while working in a collaborative environment, we recommend using variables. Learn more about [variables](#)

Token {{bearerToken}}

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GET https://api.ilovepdf.com/v1/start/imagepdf

Send

Tests Body 200... 1535 ms 669 B Save as Example

```
1 const json = pm.response.json()
2 const server = json.server
3 const task = json.task
4
5 pm.collectionVariables.set('server', server)
6 pm.collectionVariables.set(['taskID', task])
```

Pretty JSON

```
1 "server": "api1.ilovepdf.com",
2 "task": "g27d4mrs3ztmnzAgn5d3njAgfc1wwdfq56
3 m8dtwp6tq8q8839sh3bxim8z4x4qlwgd97wl
4 gdqssv9fd63gzy1x6n1w5pgxqj5xstm56pv9
5 6nrlk143bp7xm1dm4lA67pgrdv9pvcgAbhjzz
6 hljs2wc5csm",
7 "remaining_files": 250
```

image-20230802-003725.png (90 kB)

POST <https://{{server}}/v1/upload> **Send**

Params Authorization Headers (11) **Body** • Pre-request Script Tests Settings Cookies

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

Key	Value	Description	...	Bulk Edit
<input checked="" type="checkbox"/> file	gxwoman.png	choose file to be processed by the task later.		
<input checked="" type="checkbox"/> task	<code>{{taskID}}</code>			
Key	Value	Description		

image-20230802-005128.png (53 kB)

POST <https://{{server}}/v1/process> **Send**

Params Authorization Headers (11) **Body** • Pre-request Script Tests Settings Cookies

none form-data x-www-form-urlencoded raw binary GraphQL **JSON** Beautify

```

1 {
2   "task": "g27d4m1sg3ztmnzAgn5d3njAg29jrx8pfk77y7A2zdr4jm5A12m2pAxbhA47wfgpfq85f2x1q6k3p39ytn2w7dxh7yr
  6xA98m3s1y5jyxctntnr3mw8n6fAyq0Aqs1ct4nksqrAp0zt1qx08n9jk6l1r",
3   "tool": "imagepdf",
4   "files": [
5     {
6       "server_filename": "b8b97ef66bc0aa05feba3afba4166d67f3268cdec461f6a3f6395ccb1af89e29.
  png",
7       "filename": "server.pdf"
8     }
9   ]
10 }
```

image-20230802-010807.png (81 kB)

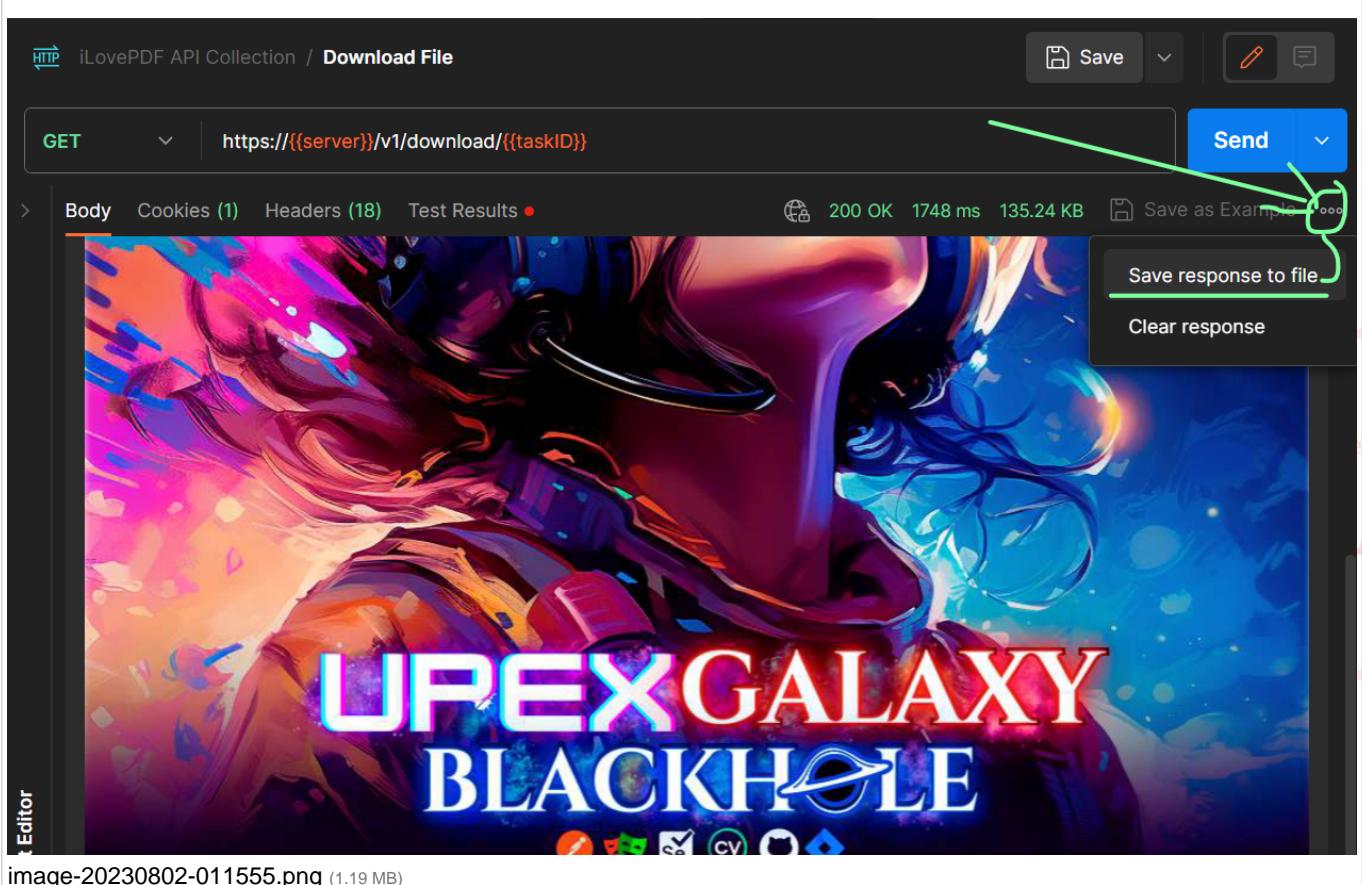
GET <https://{{server}}/v1/download/{{taskID}}> **Send**

Params Authorization Headers (9) Body Pre-request Script Tests Settings Cookies

Query Params

Key	Value	Description	...	Bulk Edit
Key	Value	Description		

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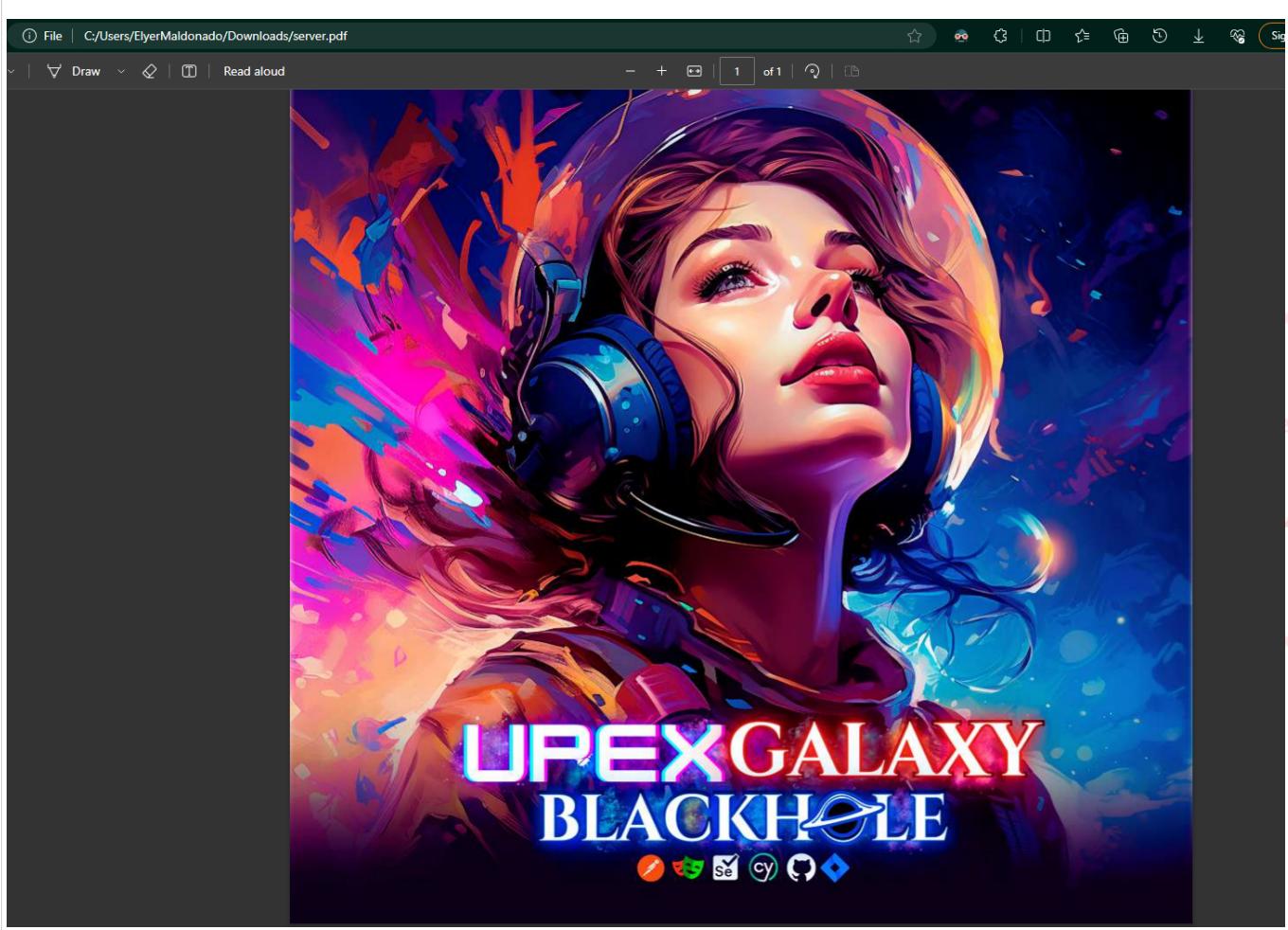


image-20230802-011615.png (1.72 MB)

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