File Server

Overview

File Server

Version information

Version : 1.0.0

URI scheme

BasePath : /
Schemes : HTTPS, HTTP

Tags

- files : All functionalities about file storage

Consumes

- `application/json`

Produces

- `application/json`

Security

Bearer

Type : apiKey
Name : Authorization
In : HEADER

Paths

Uploads a new file and adds information about which users have the right to download it.

```
POST /files
```

Description

Add a new file

Parameters

Type	Name	Description	Schema
FormData	**file_content** *required*	the file to upload	file
FormData	**shared_with** *optional*	array of users that can access this file	< integer > array

Responses

HTTP Code	Description	Schema
201	Successfully created file	Response 201
400	Missing/empty file object	No Content
401	Unauthorized- not logged in	No Content
403	Forbidden- insufficient access rights	No Content

Response 201

Name	Schema
id *optional*	integer
name *optional*	string
shared_with *optional*	< integer > array
size *optional*	integer

Name	Schema
upload_date *optional*	string
user *optional*	string

Consumes

- multipart/form-data

Tags

- files

Security

Type	Name
apiKey	**Bearer**

Reads the entire list of files.

```
GET /files
```

Description

Access to all files

Parameters

Type	Name	Description	Schema
Query	**include** *optional*	'all' for own and shared files, 'own' for only files ubloaded by authorized user, 'shared' for only files from other users the autorized user has access to.	string

Responses

HTTP Code	Description	Schema
200	dictionary with to lists of fileobject-descriptions	Response 200

HTTP Code	Description	Schema
401	Unauthorized	No Content
403	Forbidden- insufficient access rights	No Content

Response 200

Name	Schema
own_files *optional*	< own_files > array
shared_files *optional*	< shared_files > array

own_files

Name	Schema
id *optional*	integer
name *optional*	string
shared_with *optional*	< integer > array
size *optional*	integer
upload_date *optional*	string
user *optional*	string

shared_files

Name	Schema
id *optional*	integer

Name	Schema
name *optional*	string
shared_with *optional*	< integer > array
size *optional*	integer
upload_date *optional*	string
user *optional*	string

Tags

- files

Security

Type	Name
apiKey	**Bearer**

Get all informations about a uploaded file from the database.

```
GET /files/{file_id}
```

Description

Get one specific file by its id

Parameters

Type	Name	Description	Schema
Path	**file_id** *required*	Id of the file	integer

Responses

HTTP Code	Description	Schema
200	Successfully found and delivered file information	Response 200
401	Unauthorized	No Content
403	Forbidden- insufficient access rights	No Content
404	Not found	No Content

Response 200

Name	Schema
id *optional*	integer
name *optional*	string
shared_with *optional*	< integer > array
size *optional*	integer
upload_date *optional*	string (date-time)
user *optional*	string

Tags

- files

Security

Type	Name
apiKey	Bearer

Deletes a file specified by its file_id. Can only be done by the owner.

```
DELETE /files/{file_id}
```

Description

Delete a file

Parameters

Type	Name	Schema
Path	**file_id** *required*	integer

Responses

HTTP Code	Description	Schema
200	Successfully deleted a file from db	No Content
401	Unauthorized	No Content
403	Forbidden- insufficient access rights	No Content
404	Not found- no file with this id in the database	No Content

Tags

- files

Security

Type	Name
apiKey	**Bearer**

Change a files content and/or the users it is shared with.

```
PATCH /files/{file_id}
```

Description

Update a file.

Parameters

Type	Name	Schema
Path	**file_id** *required*	integer
Body	**file_info** *required*	file_info

file_info

Name	Schema
name *optional*	string
shared_with *optional*	< integer > array

Responses

HTTP Code	Description	Schema
200	Successfully changed file	Response 200
400	Missing/empty file object	No Content
401	Unauthorized	No Content
403	Forbidden- insufficient access rights	No Content
404	Not found	No Content

Response 200

Name	Schema
id *optional*	integer
name *optional*	string
shared_with *optional*	< integer > array
size *optional*	integer
upload_date *optional*	string
user *optional*	string

Consumes

- `application/json`

Tags

- files

Security

Type	Name
apiKey	**Bearer**

Downloads the file

```
GET /files/{id}/download
```

Description

Get the content of the file as provided by flask.send_file.

Parameters

Type	Name	Description	Schema
Path	**id** *required*	Id of the file	integer

Responses

HTTP Code	Description	Schema
401	Unauthorized	No Content
403	Forbidden- insufficient access rights	No Content
404	Not found	No Content

Tags

- files

Security

Type	Name
apiKey	**Bearer**