

RESTful API for File Access

Conceptual Overview

File Entries

File Management

User and Permission Management (TBD)

Remember:
Good RESTful APIs follow the following guidelines:

<https://stackoverflow.blog/2020/03/02/best-practices-for-rest-api-design/>

File Entries

The goal of the file entries endpoints is to create, read, update and delete files and directories. We want to be able to modify properties as well.

GET

ROOT

entry

<rID>

Returns: json object containing every valid non-structural variable across the File, Metadata, and Detail tables.

Excludes **thumb_path**, **resource_ids** and numerical **ids**

POST

ROOT

entry

<rID>

Body: a json object that contains every attribute required to create a file

Req: file at <rID> is a dir; and file **type** as **BARE MINIMUM**

PUT

ROOT

entry

<rID>

Body: json object of what you want to update, and only those attributes.

CANNOT update **resource_id**, or file **type**

File Entries cont.

DELETE

ROOT

entry

<rID>

Removes entry and any children from directory.

Excludes **thumb_path**, **resource_ids** and numerical **ids**