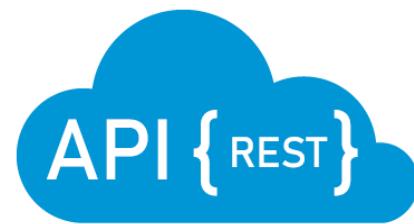# REST API Guide

This is a companion document to DBGallery's REST API, which has its own documentation built in. This guide provides getting started info and outlines the structure of the API (vs simply listing all available calls as the self-documented API itself does). If there are any questions, please contact either support or your primary DBGallery contact person.

Contents

A quick overview of what's in the API.

While the individual API calls are documented in the code itself and available via a URL (see next section), following is an overview of DBGallery's capabilities exposed in the API.

- **Search** for images
- **Folder Management**
- **Upload** (which is through folder management: Upload to a folder). Also includes **import** when uploading a zip file.
- **Image Info** (metadata, license and expiry info, etc) and **Image Operations**.
- **Collections Management**. Please note that Collections are usually referred to as Virtual Sets, DBGallery's legacy name for Collections.
- **Audit Trail** (Usage Reporting)
- **Keywords dictionary** (keywords management)
- **Download** (including export of multiple files and their data in csv format)

All of DBGallery is written using API calls. If there is functionality you would like access to but don't see it in the API, please contact either support or your primary DBGallery contact person.

Where the specific API calls are documented

DBGallery's API is included in each implementation. Suffix your primary DBGallery URL with either of the following for direct access to the API in your environment. For example: https://dbgallery.mycompany.com/api/swagger-ui

There are 2 representations of the API documentation:

The newer swagger format: **/api/swagger-ui**

The older format: **/api/metadata** (which some clients started with and can still be useful).

Examples from our hosted cloud environment:

The newer swagger format: https://dbgallery.cloud/api/swagger-ui/

Have a look:

1. Login to https://dbgallery.cloud (DAdmin/dbg as the email and pw)
2. Navigate to https://dbgallery.cloud/api/swagger-ui/

Exploring and Testing API Calls

We recommend the Postman UI for exploring and testing DBGallery API calls. Postman is a freemium API platform for building and using APIs. It can be downloaded at https://www.postman.com/downloads/. It will allow various parameters to be entered, it will display results, and is a good place to explore what may not work as well as the possibilities available with the API.

Swagger will also allow calls to be made from its UI. Enter parameters in the UI for operations such as creating a folder or returning search results. Swagger Pros include:

- A breakout of complex parameters.
- List all parameters, allowing entry of values for most.
- Displays results in JSON format.
- Provides the Curl representation of the call.

Authentication

DBGallery uses API keys for authorization. An API key is a token that can be generated per user. Public API must be enabled on the system. The key should be sent in the apiKey HTTP header. Get your API from a user within DBGallery (DBGallery Tools | Users). This should be a user with a SuperAdmin role. To generate the API key, at the bottom of the user page check the Generate API key checkbox and press save. Refresh or come back to the page and the key will have been generated.

Advanced Settings for developers.

Api key (advanced, optional):   cdJ5R3fuHv1rJcTBPpM7O5abcApi/4|

☐   Generate API key for public access when saved. (Typically unchecked. Check only when using DBGallery's API.)

Save   Reset   Cancel

■ ▪ ■