

nanogallery2-Generator — manual

Appname: ngy2

Axel Hennig

April 2022

Contents

1	Introduction	1
2	Installation	2
3	Sample nanogallery2-webpage	2
4	Creating a nanogallery2-webpage	2
4.1	Preparation in IMatch	2
4.2	Running the app	3
4.3	Final step — what to do after the IMatch-ngy2-app finished	4
5	Remarks on Media Title, Media Description and Media Date	5
6	Limitations	5

1 Introduction

The IMatch nanogallery2-Generator app “ngy2” uses as main input an IMatch category and produces a webpage containing all sub-categories of the selected input-category. I.e. the app reproduces the category-tree below the selected input-category and the output / result is a webpage. This webpage should be used offline, not online (app-design decision).

If you want to know more about [nanogallery2](#), please have a look to the webpage.

In Figure 1 a screenshot of a sample gallery is given.

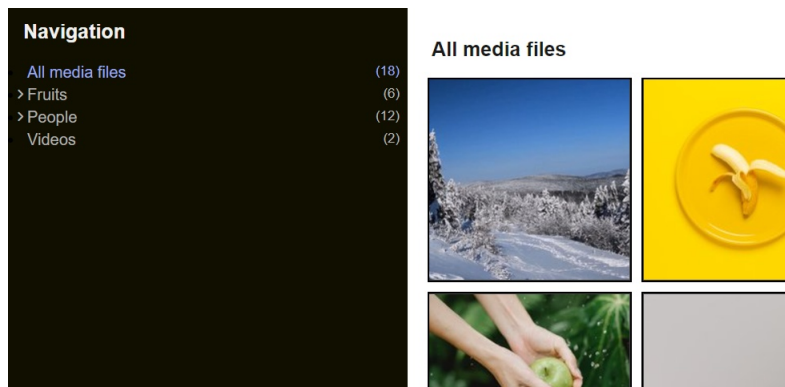


Figure 1: Sample gallery.

2 Installation

The downloaded zip-file contains a folder called “nanogallery2”. Copy the folder into “C:\ProgramData\photools.com\imatch6\webroot\user”. This should be the typical folder-location. If you’ve changed something on your system, at least the last part “. . \webroot\user” should be the same.

For the “index.html” the absolute path should now look like: “C:\ProgramData\photools.com\imatch6\webroot\user\nanogallery2\index.html”

3 Sample nanogallery2-webpage

The downloaded zip-file contains a folder called “sample_webpage”. Within this folder there are several sub-folders and one file named “index.html”. Open this “index.html” with your favourite browser (double-klicking should just work). This is how the result will look like and can be seen in [Figure 1](#).

4 Creating a nanogallery2-webpage

4.1 Preparation in IMatch

Create in IMatch a category-tree containing all media-files (images or videos) you want to export into a nanogallery2-webpage. The top-level category will not be exported. [Figure 2](#) shows the IMatch category-tree for the sample-gallery (given in the downloaded zip-file in the folder “sample_gallery”).

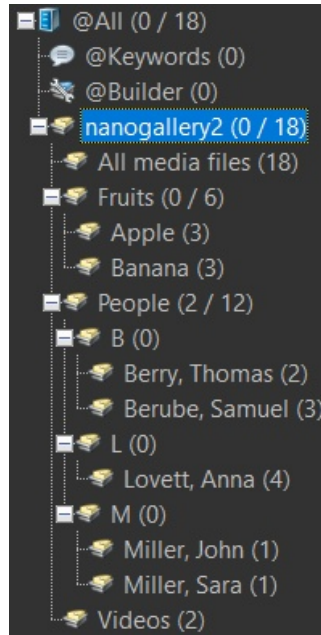


Figure 2: IMatch category-tree for the sample gallery.

4.2 Running the app

Open the app by clicking on the app-symbol named “ngy2”. Enter the following things as given in Table 1. After everything is filled in, press the “Generate nanogallery2” button. The progress-bars at the bottom together with the process-step info-box at the very bottom shows the progress of individual creation-steps.

Field	Description
Input Category	The top-level category to be export to nanogallery2. This category will not be part of of the output. In Figure 2 “nanogallery2” is selected for the “sample_gallery”
Output Folder	Choose where on your drive the result should be stored. Select an empty folder outside of any folder which is monitored by IMatch.
Sortprofile	Select the sortprofile which should be applied to the (image/video-) files.
Media Title	Choose something (if wanted) to be displayed as “title of the item”. In Figure 3 the title is “pexels-luis-fernandes-1995718.jpg”.
Media Description	Choose something (if wanted) to be displayed as “description of the item”. In Figure 3 the description is “Miller, John”, “Miller, Sara”, “New Zealand”...
Media Date	Choose something (if wanted) to be displayed as “date of the item”. In Figure 3 the date is “2014-09-22”.

Table 1: What to enter in the ngy2-app.

pexels-luis-fernandes-1995718.jpg

Who	Where	Altitude (m)
Miller, John Miller, Sara	New Zealand Canterbury Akaroa	9



2014-09-22

 [-43.827206,173.048246](#)

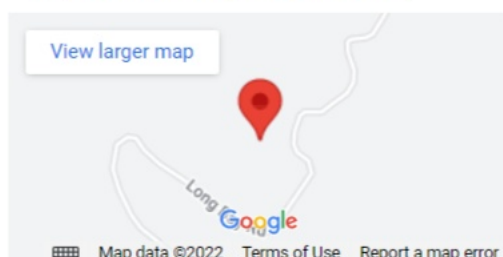


Figure 3: Infobox which shows selected information.

4.3 Final step — what to do after the IMatch-ngy2-app finished

There is one **last step** which needs to be done “**outside**” of IMatch. This is necessary due to an “app-design” decision (**NOT** because of IMatch limitations).

During the nanogallery2-gallery generation process all media-files are copied (and renamed) to the sub-folder “media_original” within the output-folder. Within the output-folder there are also two (empty) folders “media_large” and “media_thumb”. What has to be done now as last step is:

1. For each file (image and video) within the “media_original” folder a jpg-thumbnail (recommended size is 200x200px, file-extension “.jpg”) has to be created and saved in the “media_thumb” folder.
2. For each file within the “media_original” folder a file with file-extension either “.jpg” (image-file) or “.mp4” (video-file) has to be created and saved in the “media_large” folder.

Background-information: A nanogallery2-gallery is able to display image- and video-files. For image- and video-files a thumbnail-**image** is required. This image (file-extension “.jpg”) needs to be copied to the “media_thumb” folder. Therefore an external software is required (e.g. [XnView MP](#) for image-conversion or [ffmpeg](#) for video-conversion). In the “media_large”

folder every file needs to be either a jpg-image (original-file converted to a jpg-file) or a mp4-video (original-file converted to a mp4-file).

5 Remarks on Media Title, Media Description and Media Date

The three input-fields “Media Title”, “Media Description” and “Media Date” can be filled with IMatch-variables. For example the infobox in Figure 3 was produced by using the following IMatch-variables:

- **Media Title:** `{File.NameExt}`
- **Media Description:** A quite complex mix of IMatch-variables together with html-code is used (use without line-breaks, i.e. everything within one line).

```
1 <table><tr>
2 <td valign="top"><b>Who</b><br>{File.Categories.Direct|filter:@All|^
  nanogallery2\|People;level:leaf;replace:~;==<br>;default:nobody}</
  td>
3 <td width="70px"> </td>
4 <td valign="top"><b>Where</b><br>{File.MD.Composite\MWG-Country\Country
  \0}<br>{File.MD.Composite\MWG-State\State\0}<br>{File.MD.Composite\
  MWG-Location\Location\0}</td>
5 <td width="70px"> </td>
6 <td valign="top"><b>Altitude (m)</b><br>{File.MD.XMP::exif\GPSAltitude\
  GPSAltitude\0|cast:int;default:unknown}</td>
7 </tr></table>
```

- **Media Date:** `{File.DateTime|format:YYYY-MM-DD}`

When using “Media Title”, “Media Description” or “Media Date” test the variable you want to use previously with the “VarToy”-app to make sure that it shows what you want it to show.

6 Limitations

- Using too complex IMatch-variables in “Media Title”, “Media Description” or “Media Date” may slow down the creation process heavily.
- The content of the two folders “media_thumb” and “media_large” needs to be created outside of IMatch using specialized software for image- / video-conversion.