

# nanogallery2-Generator – manual

Appname: ngy2

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## 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.

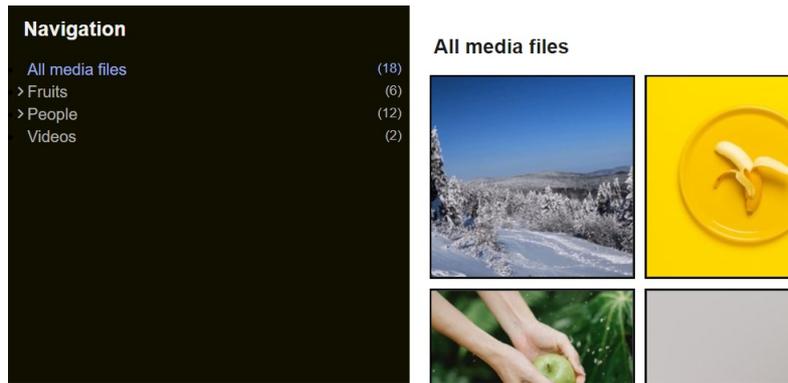


Figure 1: Sample gallery.

## 2 Installation

The downloaded zip-file contains a folder called “nanogallery2”. Copy the folder into “C:\ProgramData\photoools.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\photoools.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”).

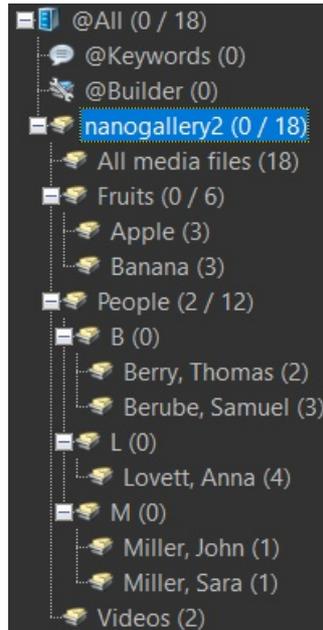


Figure 2: IMatch category-tree for the sample gallery.

## 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 <b>empty</b> folder <b>outside</b> 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](#)

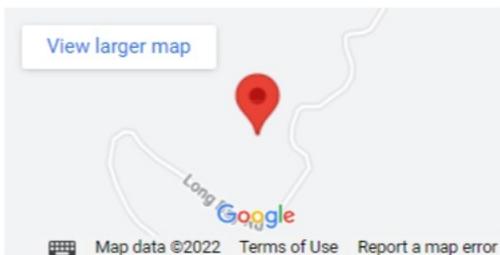


Figure 3: Infobox which shows selected information.

### 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\Countr
   y\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.