

Master Photo Library

Ariel Dynamics Inc.

V1.1.9.0

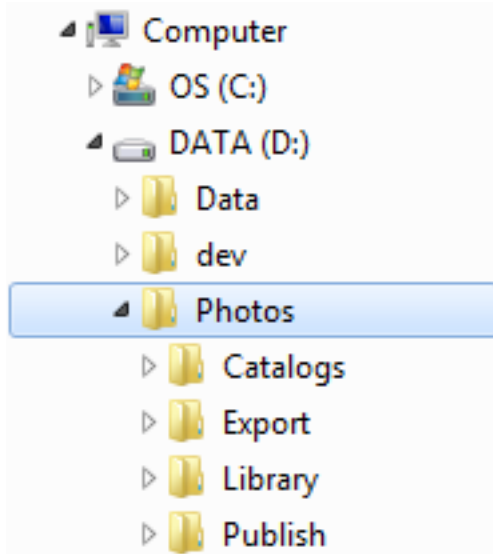
Introduction

- This document describes the workflow for:
 - Managing the Master Photo Library
 - Publishing Photo Albums to the Cloud
- It involves the use of two applications:
 - Adobe Photoshop Lightroom 4
 - Ariel Cloud Manager

Phase I: Ready? Steady? Let's get organized!

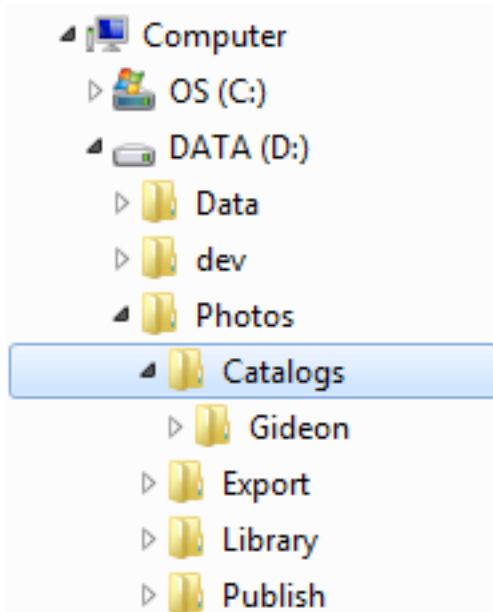
PREPARATIONS

Preparations



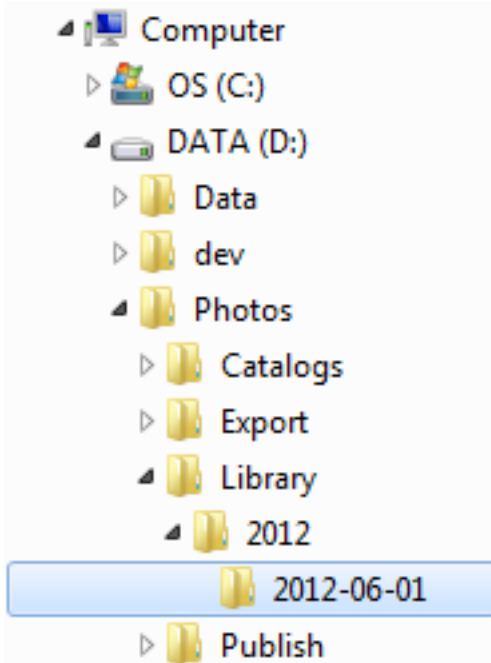
- Let's be methodical and consistent
- Let's first examine where our photos live.
- Working folder structure:
 - **D:\Photos**
 - Catalogs
 - Export
 - Library
 - Publish
- Note there are 4 main subfolders

Note 1: Lightroom Catalogs



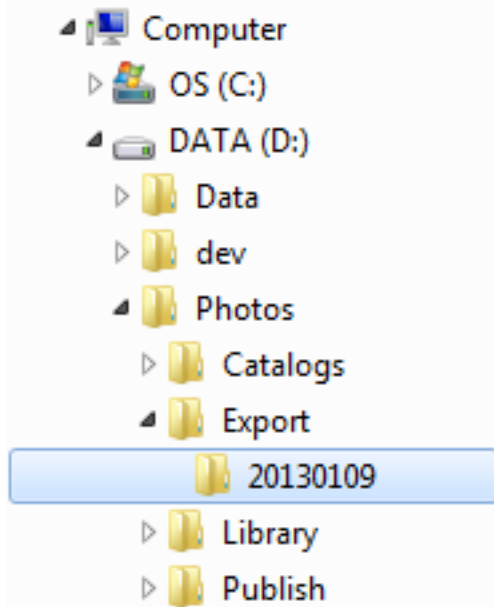
- Subfolder **Catalogs**
- Lightroom Catalogs are stored in:
 - **D:\Photos\Catalogs**
- In this example, we have:
 - A **Catalog** called **Gideon**

Note 2: Lightroom Library



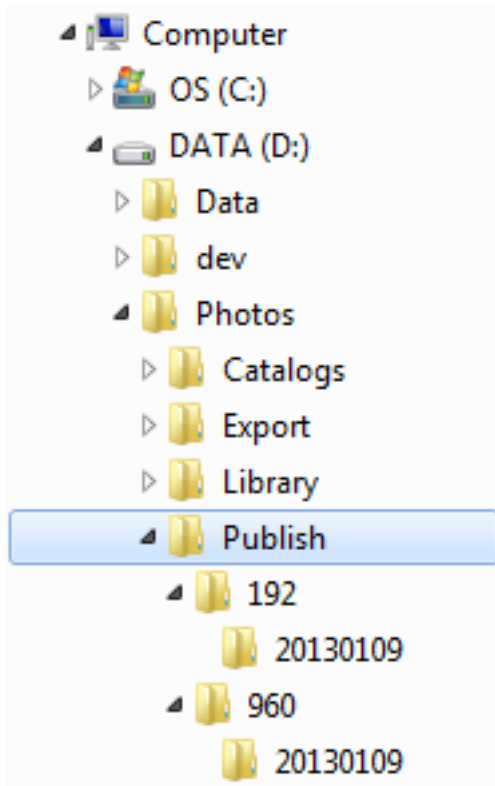
- Subfolder **Library**
- All original photos are organized in:
 - **D:\Photos\Library**
- Originals are organized
 - by **Year** and
 - by **Date**
- Files are organized automatically during **import** in Lightroom.

Note 3: Lightroom Export



- Subfolder **Export**
- Photos exported from Lightroom
 - **D:\Photos\Export**
- Each folder maps to an online album. The example shows folder **20130109**.
- Note the naming convention: year, month, day. This ensures that folders are sorted **old** to **new** so they are easy to identify.
- Exported photos contain all meta-data and are uploaded to **GoDaddy** for backup.

Note 4: Publish Photos



- Subfolder **Publish**
- Photos for the web are in folder:
 - **D:\Photos\Publish**
- You will find multiple trees here, each optimized for a specific size.
- The example shows “thumbnails” of **192** pixels, and “previews” of **960** pixels.
- Files are optimized (size vs. quality) for viewing on our website and stripped of all meta-data.
- Folders and files are generated and published to **GoDaddy** automatically.

Phase II: Let's ensure we file and process our original photos properly

MANAGING THE MASTER LIBRARY

Adobe Photoshop Lightroom 4

- All photos are in one place
- All photos are properly organized and classified
- Use **Adobe Photoshop Lightroom** version 4.3
 - **Step 1:** import photos
 - **Step 2:** filter photos
 - **Step 3:** improve photos
 - **Step 4:** tag meta-data
 - **Step 5:** export photos

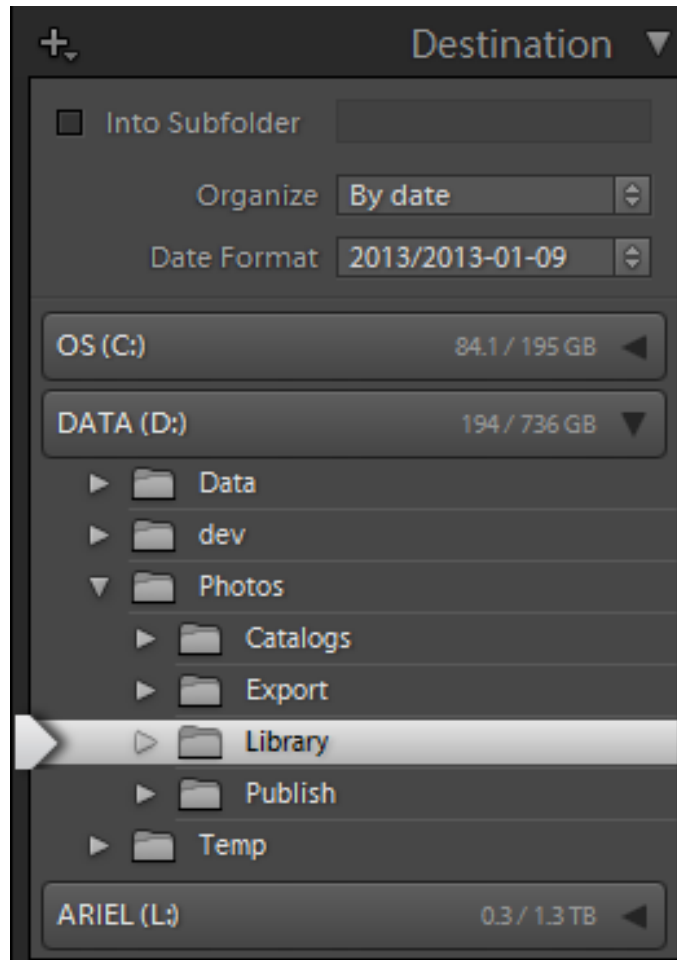
Lightroom: Create Catalog

- Install and start Lightroom
- **File > New Catalog**
 - Store it in **D:\Photos\Catalogs**
 - Called it whatever you wish, e.g. **“Master Catalog”** or **“Gideon”**
- Lightroom will close and reopen the new catalog.

Lightroom step 1: import photos

- File > **Import Photos and Videos** (Ctrl-Shift-I)
 - **Configure settings**
 - File Handling: **Don't Import Suspected Duplicates**
 - Rename Files: **GBA_yyyymmdd-hhmmss.jpg**
 - Apply During Import: meta-data of choice
 - Destination: By **Date**, Date Format **2013/2013-01-08**
 - Note that settings will be remembered for future imports

Review important settings “Import”

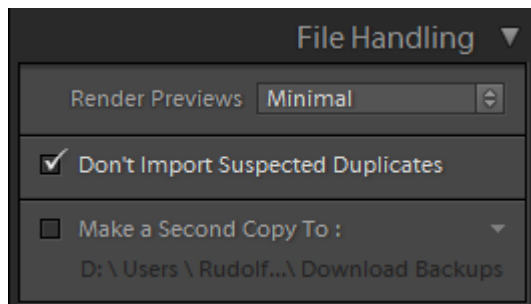


- Verify Import Destination:
 - **Organize:** By date
 - **Date Format:** Year/Date
 - **D:\Photos\Library**

Review all settings “Import”

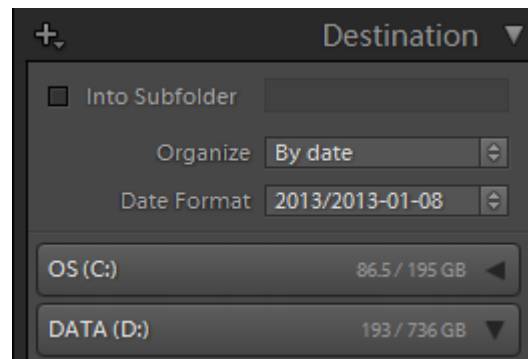
Render Previews: **Minimal**

Don't Import Suspected Duplicates



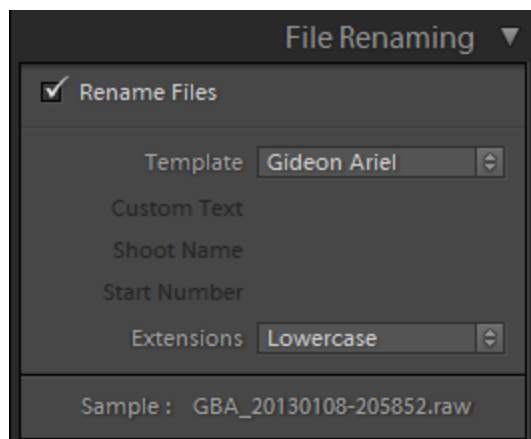
Organize: **By Date**

Date Format: **2013/2013-01-08**



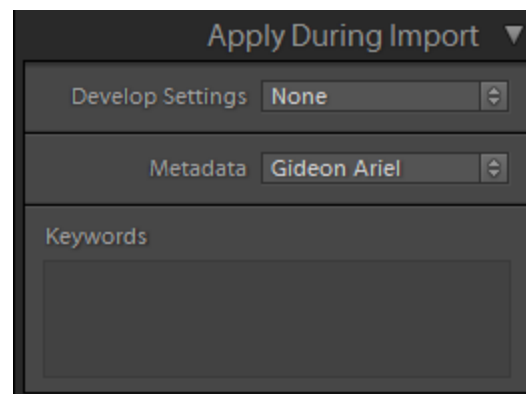
Rename files

Template: **GBA_yyyymmdd-hhmmss**



Develop Settings: **None**

Metadata: **Gideon Ariel**



Lightroom step 2: filter photos

- We will only publish “good” photos
- Select **Catalog > Previous Import** (Library, west pane)
- Purge all photos that are out-of-focus, blurred, under-exposed, over-exposed, ugly, inappropriate or otherwise unacceptable:
 - Photo > **Set Flag > Rejected** (X)
- Rate photos
 - Photo > **Set Rating > 1 Star** (1)
 - Photo > **Set Rating > 2 Star** (2)
 - Photo > **Set Rating > 3 Star** (3)
- If desired, we can purge rejects from the master library
 - Photo > **Delete Rejected Photos** (Ctrl-Backspace)

Example filter photos



Photo **#1** has been rated with **2 Stars (2)**

Photos **#2** and **#3** have been rated with **1 Star (1)**

Photo **#8** has been flagged as **Rejected (X)**

Lightroom step 3: improve photos

- Improve photos as you see fit
 - **Cropping**
 - Spot Removal, Red Eye Correction, Graduated Filter
 - Basic corrections
 - Tone Curve corrections
 - Etc.
- Note that all operations are **non-destructive**

Example: cropping undesired elements



Lightroom step 4: tag meta-data

- Select all photos to be tagged (Ctrl-A)
- Under **Location** (east pane), input:
 - **Sublocation** e.g. “On the Beach”, “Disneyland”, “Bangkok Sports Research Center”, “C’est la Vie”,
 - **City**
 - **State / Province**
 - **Country**
 - **Title**: describe event e.g. “Trip to Europe”, “ISBS Conference”
 - **Caption**: describe contents of photo
- Note that metadata may be (should be) set on multiple photos at once.

What, When, Where, Who, Why

Location Metadata

Preset: None

File Name: RJC_B_20120601-161025.jpg

Original Filename: untitled_20120601-161025.jpg

Copy Name:

Folder: 2012-06-01

Metadata Status: Up to date

Sublocation: On the Beach

City: Laguna Beach

State / Province: California

Country: USA

ISO Country Code: US

GPS: 33°32'33" N 117°47'8" W

Altitude:

Title: Having fun with Ann and Rudolf

Caption: A match made in heaven

Date Time Original: 06/01/2012 16:10:25

Date Time: 01/02/2013 14:52:18

Date Created: 2012-06-01T16102516

Intellectual Genre:

IPTC Scene Code:

WHERE

WHAT

WHEN



Sublocation On the Beach

City Laguna Beach

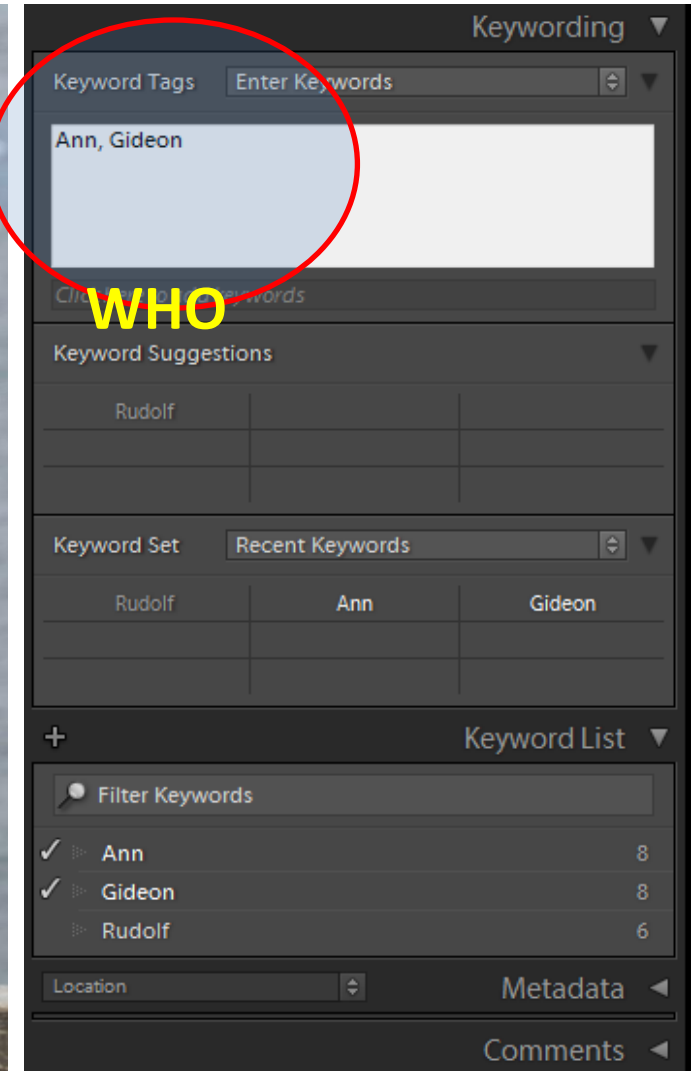
State / Province California

Country USA

Title Having fun with Ann and Rudolf

Caption A match made in heaven

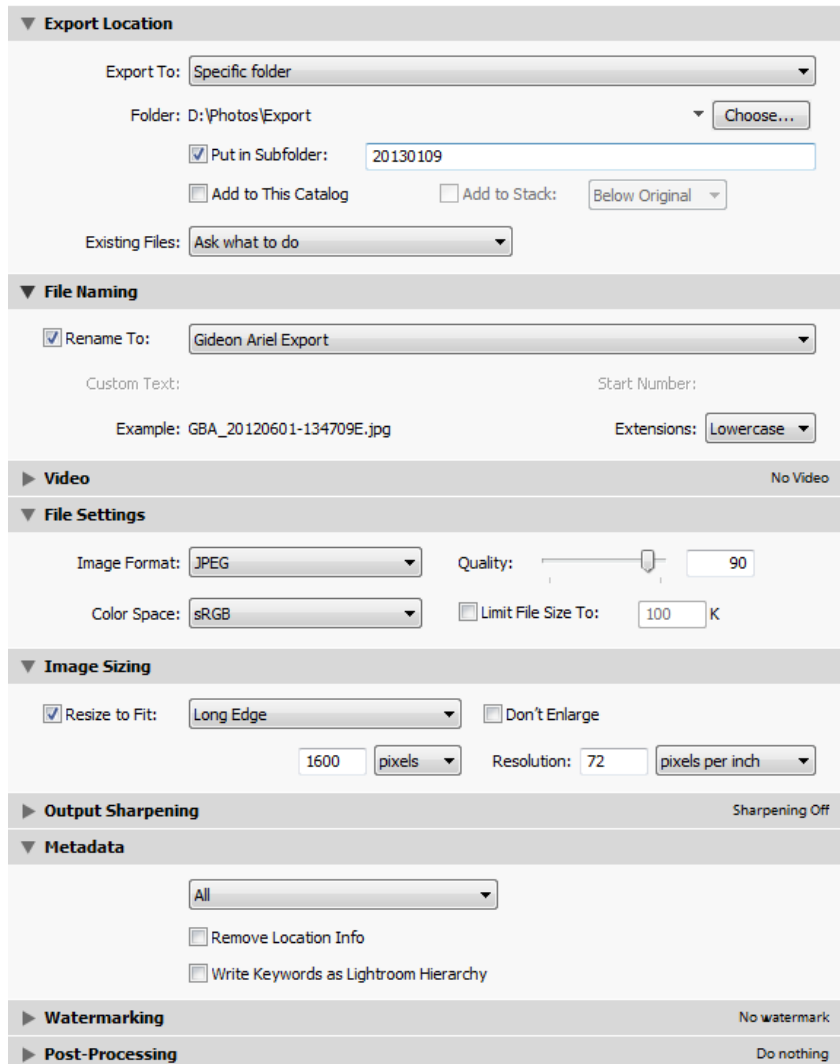
What, When, Where, Who, Why



Lightroom 4: exporting data

- Select photos to be exported
- Choose **File > Export**
 - Export Location
 - Folder: **D:\Photos\Export\Root**
 - Put in Subfolder: **20130101** (yyyymmdd)
 - File Settings: Jpeg; Q-90; sRGB
 - Image Sizing: Resize to Fit; Long Edge; 1600 pixels
 - Output Sharpening: N/A
 - Meta data: All, checkboxes unchecked
- Settings will be remembered for future exports

Review settings “Export”



The screenshot shows the Adobe Lightroom Export settings panel. It is organized into several sections: Export Location, File Naming, Video, File Settings, Image Sizing, Output Sharpening, Metadata, Watermarking, and Post-Processing. The 'Export Location' section shows the export path as 'D:\Photos\Export' with a subfolder '20130109'. The 'File Naming' section shows the file will be renamed to 'Gideon Ariel Export' with a lowercase extension. The 'File Settings' section shows the image format as 'JPEG' with a quality of 90 and sRGB color space. The 'Image Sizing' section shows the image will be resized to fit the long edge at 1600 pixels. The 'Metadata' section shows that all metadata will be kept. The 'Watermarking' and 'Post-Processing' sections are currently set to 'No watermark' and 'Do nothing' respectively.

▼ Export Location

Export To: Specific folder

Folder: D:\Photos\Export Choose...

☒ Put in Subfolder: 20130109

☐ Add to This Catalog ☐ Add to Stack: Below Original

Existing Files: Ask what to do

▼ File Naming

☒ Rename To: Gideon Ariel Export

Custom Text: Start Number:

Example: GBA_20120601-134709E.jpg Extensions: Lowercase

▶ Video No Video

▼ File Settings

Image Format: JPEG Quality: 90

Color Space: sRGB ☐ Limit File Size To: 100 K

▼ Image Sizing

☒ Resize to Fit: Long Edge ☐ Don't Enlarge

1600 pixels Resolution: 72 pixels per inch

▶ Output Sharpening Sharpening Off

▼ Metadata

All

☐ Remove Location Info

☐ Write Keywords as Lightroom Hierarchy

▶ Watermarking No watermark

▶ Post-Processing Do nothing

Folder: D:\Photos\Export
Put in Subfolder: yyyyymmdd

Rename to
GBA_yyyymmdd_hhmmssE.jpg

JPEG, Quality 90, sRGB

Resize Long Edge to 1600 pixels

Keep All Metadata

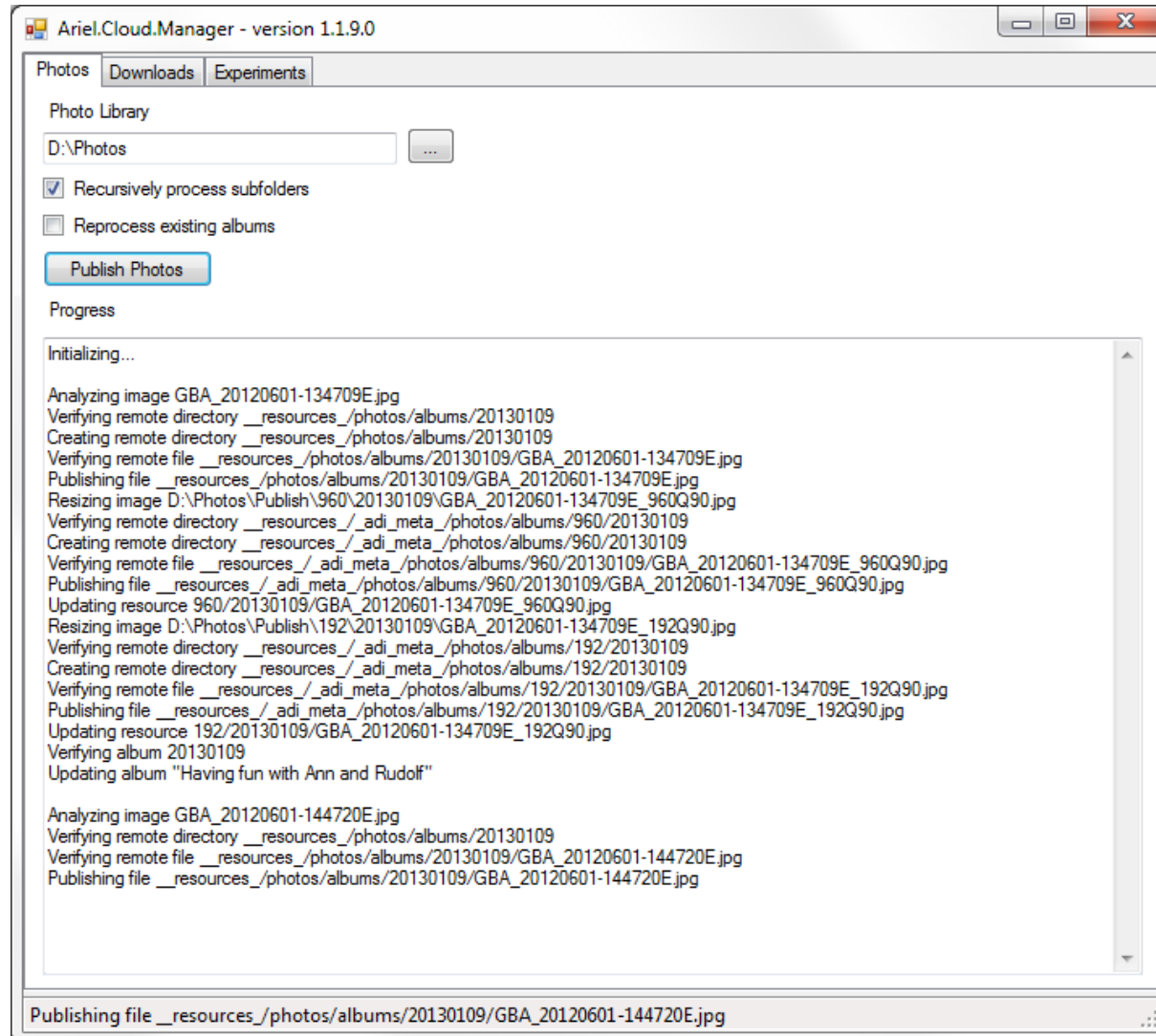
Phase III: Let's get these local files to the cloud for the world to see

PUBLISH TO THE CLOUD

Ariel Cloud Manager

- Start application **Ariel.Cloud.Manager**
 - Select tab **Photos**
 - Select folder
 - **D:\Photos**
 - Select “**Publish**”
 - Wait for it to finish
- See results on the web:
 - www.arielnet.com/cloud/Albums/Recent/10

Ariel.Cloud.Manager



Photos - Having fun with x

www.arielnet.com/cloud/Albums/Show/gba-album-0x991e8359/having-fun-with-ann-and-rudolf

Ariel Dynamics

$$F_{v_1} = -W'T_1 + m_1 g \omega_1^2 \cos \theta_1 + m_1 g \omega_1^2 \sin \theta_1 - m_1 R_1 \omega_1^2 \cos \phi_1 + m_1 R_1 \omega_1^2 \sin \phi_1 + m_1 R_1 \omega_1^2 \cos (180^\circ - \phi_1) + m_1 R_1 \omega_1^2 \sin (180^\circ - \phi_1) + m_1 (2\omega_1 V_1 + 2\omega_1 \omega_2) \sin \theta_1 - m_1 2\omega_1 V_1 \sin \theta_1$$

Home Performance Analysis Exercise Machines Products Library Company Personal

Download our Applications
All our Performance Analysis Applications can be downloaded from our website and evaluated free of charge. Our applications run on Microsoft Windows.

Articles & Scientific Publications
Ariel Dynamics and Dr. Gideon Ariel have been covered extensively in newspapers and magazines. We also published some of our scientific articles and system brochures. Enjoy!

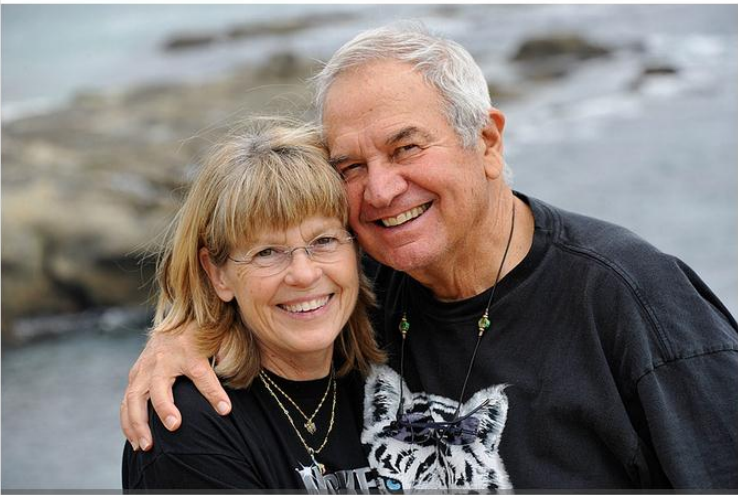
Like 0 Tweet 0 +1 0 Share 0 Pin it Share

Google Custom Search Search


Photos. Having fun with Ann and Rudolf

On the Beach, Laguna Beach, California, USA, June 2012

★★★★★
Published on Friday, June 01, 2012 by Unknown



#242253 - A match made in heaven



Album
[Gideon Ariel](#)

Country
USA

Results

After publishing, the album is online.

Note that **Titles**, **Subtitles**, and **Tags** have all been set automatically.

Clicking any Tag will lead you to a list of albums with that same tag, e.g. for **“Laguna Beach”**, **“2012”**, etc.

Tags

On the Beach; Laguna Beach; California; USA; 2012; Having fun with Ann and Rudolf;

Conclusion