



ApertureToFileMaker

ApertureToFileMaker is an Aperture plug-in that automates the process of exporting images and meta-data from Aperture into FileMaker.

Step 1 – Install ApertureToFileMaker and Configure Your Database To Use JDBC Sharing

Quit both FileMaker Pro and Aperture. Double click the ApertureToFileMaker installer and follow the on screen prompts.

To use ApertureToFileMaker your FileMaker database needs to be configured to use JDBC Sharing. To enable JDBC sharing follow the set of instructions below:

- 1) Open or create a FileMaker Pro database that you have Full Access to.
- 2) From the **FileMaker Pro** menu select **Sharing > ODBC/JDBC...**
- 3) Turn **On** ODBC/JDBC Sharing.
- 4) Select the FileMaker database for export and under **ODBC/JDBC access to file** check the **All Users** option.
- 5) Click **OK**. Leave the database open and go to Step 2, below.

Step 2 – Export Images and Meta-data

To keep the export process simple and streamlined you're presented with pre-built options that can be customized. These settings can be saved for future use to make workflows as fast as possible. Follow the directions below to begin the export process:

- 1) Launch Aperture and select the images you would like to export.
- 2) From the **File** menu select **Export > FileMaker**.
- 3) Click **Add** to specify a FileMaker database for export.
- 4) In the **Database** field, enter the name of the FileMaker database. *Do not include the .fp7 extension in the file name.*
- 5) In the **Account Name** and **Password** fields, enter the account name and

- password for an account that has access to the file via JDBC (If you're using the sample database enter "Admin" as the account name and leave the password field blank). Click **OK**. These settings are now stored.
- 6) In the **Version Preset** pop-up menu select the image type and size to export.
 - Selecting **Edit...** from the pop-up menu will allow you to customize your own presets.
 - Customized presets can be saved and will appear in the pop-up menu for later use. You can add and remove presets using the **+** and **-** buttons at the bottom of the window.
 - 7) In the **Export Name Format** pop-up menu select a name format for the exported images or create your own by selecting **Edit....**
 - You can store and remove export name format presets for later use as in Step 6.
 - 8) Click **Export**. Select or create the folder where you would like the images to be stored and click **Export**.
 - Images are stored as a reference (FileMaker Pro doesn't import the image file, it keeps track of where it is on your Mac).
 - Best Practice*: create a folder in the same location as your FileMaker database and store your images there. Anytime you move the database move the images folder along with it.
 - 9) Your images and associated meta-data are now located within your FileMaker database in a table called *Aperture_Photo*.

Step 3 – View Records Within Your FileMaker Database

You now have your images and their associated metadata within your FileMaker database, but how do you view it? Below is a step-by-step guide on how to create a layout in your database to view the Aperture images and metadata

- 1) Open your existing FileMaker Pro database.
- 2) From the **View** menu select **Layout mode**.
- 3) From the **Layouts** menu select **New Layout/Report....**
- 4) Enter a descriptive name for the layout.
- 5) In the **Show records from** pop-up menu, select the Aperture_Photo table.
- 6) For **Select a layout type** choose "Standard form" then click **Next**.
- 7) In the Specify Fields window click **Move All** then click **Next**.
- 8) Select a theme in the **Layout themes** list then click **Finish**.
- 9) You now have a layout showing all your exported Aperture images and metadata. From the **View** menu select **Browse Mode** to view the individual records.

System Requirements, Troubleshooting and FAQ

System Requirements

Aperture 1.5

FileMaker Pro 8 - 8.5 or FileMaker Pro 8 – 8.5 Advanced

Troubleshooting

Connection Error:

- If you added .fp7 after the database name while adding a database to the FileMaker Databases list remove the .fp7 extension and try again. The .fp7 extension isn't needed in the Database field.
- The ApertureToFileMaker plug-in checks the connection to the selected FileMaker database immediately after clicking on it. If you receive an error here make sure your database is open and accessible via JDBC as described in Step 1.
- You must go through the JDBC sharing setup described in Step 1 for each database you wish to export to.
- If everything is set up properly, verify that the account you're using to log into the database has access to JDBC sharing for that particular file. *For more information on Accounts, privilege sets and extended privileges see Chapter 5 of the FileMaker Pro Users Guide, below.*
http://www.filemaker.com/downloads/pdf/fmp85_users_guide.pdf

File Exports are Slow:

- Performance can be increased dramatically by hiding the FileMaker Pro application or by minimizing the FileMaker database to the Dock.
- Please keep in mind large exports with high-resolution images may take some time to reformat and copy.

File Cannot be Found:

- This error is displayed in place of images in the FileMaker database if the exported images folder has been moved, renamed or deleted. Move the images folder back to it's original location or revert the name to it's original one.

Missing Fields:

- If you delete a field in the Aperture_Photo Table, the plug-in will not replace the field during any subsequent export. You'll have to replace the missing field manually.
- If a field is missing from a layout you can add it by switching to **Layout Mode** and from the **Insert** menu selecting **Field...** as long as it's not deleted from the table.

Known Issues:

- The Hostname field in the database setup window is not editable. At this time exporting to remote databases is not supported.
- Some types of meta-data may not be exported to the FileMaker database.

Frequently Asked Questions

1) *Why do errors occur while exporting my images?*

There are various reasons for this kind of error. One likely cause is if you have changed the database schema of the Aperture_Photo table within FileMaker. Changing the field name, type or other field options will usually cause the plug-in to fail. Likewise, removing a column will cause the plug-in to fail. However, adding additional columns should not be a problem. To confirm that the plug-in is failing because of a bad database schema, see if exporting your photos to a newly created FileMaker database works.

Strange data in a given metadata field can also cause the plug-in to fail. If some photos are able to export successfully, but others fail, this could be the reason.

2) *Is there an example FileMaker database available?*

Yes, an example database is included on the installation dmg.

3) *Can I export to a database hosted on a FileMaker Server?*

No, not at this time.

4) *Can I create the database locally and host the files on a server?*

Yes, but this is an unsupported configuration at this time that will require file sharing and FileMaker development experience.

5) *If I create an images database, who will be able to open it?*

All users accessing this file will need their own licensed copy of FileMaker Pro.

6) *What metadata will ApertureToFileMaker export?*

Below is a listing all the metadata that ApertureToFileMaker exports.

Custom Properties:

Aperture Key	FileMaker DB Column Name
cameraTimeZoneName	camera_timezone_name
pictureTimeZoneName	picture_timezone_name

EXIF Properties:

<i>Aperture Key</i>	<i>FileMaker DB Column Name</i>
Altitude	exif_altitude
ApertureValue	exif_aperture_value
Artist	exif_artist
BrightnessValue	exif_brightness_value
CameraSerialNumber	exif_camera_serial_number
CaptureDayOfMonth	exif_capture_day_of_month
CaptureDayOfWeek	exif_capture_day_of_week
CaptureHourOfDay	exif_capture_hour_of_day
CaptureMonthOfYear	exif_capture_month_of_year
CaptureYear	exif_capture_year
ColorModel	exif_color_model
ColorSpace	exif_color_space
Contrast	exif_contrast
Depth	exif_depth
DNGBackwardVersion	exif_dng_backward_version
DNGVersion	exif_dng_version
ExifVersion	exif_exif_version
ExposureBiasValue	exif_exposure_bias_value
ExposureMode	exif_exposure_mode
ExposureProgram	exif_exposure_program
Firmware	exif_firmware
Flash	exif_flash
FlashExposureComp	exif_flash_exposure_comp
FlashPixVersion	exif_flash_pix_version
FocalLength	exif_focal_length
FocalLenIn35mmFilm	exif_focal_len_in_35mm_film
FocusMode	exif_focus_mode
GPSVersion	exif_gps_version
ImageDate	exif_image_date
ImageFileName	exif_image_file_name
ISOSpeedRating	exif_iso_speed_rating
Latitude	exif_latitude
LensMaxMM	exif_lens_max_mm
LensMinMM	exif_lens_min_mm
Longitude	exif_longitude
Make	exif_make
MapDatum	exif_map_datum
MaxApertureValue	exif_max_aperture_value
MeasuredEV	exif_measured_ev
MeteringMode	exif_metering_mode
Model	exif_model
NikonFlashSet	exif_nikon_flash_set

NikonFlashSetting	exif_nikon_flash_setting
NikonFocusMode	exif_nikon_focus_mode
NikonImageSharpening	exif_nikon_image_sharpening
NikonQuality	exif_nikon_quality
NikonSharpenMode	exif_nikon_sharpen_mode
NikonWhiteBalanceMode	exif_nikon_white_balance_mode
OwnerName	exif_owner_name
PixelHeight	exif_pixel_height
PixelWidth	exif_pixel_width
ProfileName	exif_profile_name
ProgramVersion	exif_program_version
Saturation	exif_saturation
SceneCaptureType	exif_scene_capture_type
Sharpness	exif_sharpness
ShootingMode	exif_shooting_mode
ShutterSpeed	exif_shutter_speed
Software	exif_software
SubjectDistance	exif_subject_distance
SubsecondTime	exif_subsecond_time
WhiteBalance	exif_white_balance
WhiteBalanceIndex	exif_white_balance_index

IPTC Properties:

<i>Aperture Key</i>	<i>FileMaker DB Column Name</i>
ActionAdvised	iptc_action_advised
AudioDuration	iptc_audio_duration
AudioOutcue	iptc_audio_outcue
AudioSamplingRate	iptc_audio_sampling_rate
AudioSamplingRes	iptc_audio_sampling_res
AudioType	iptc_audio_type
Byline	iptc_byline
BylineTitle	iptc_byline_title
Caption/Abstract	iptc_caption_abstract
Category	iptc_category
City	iptc_city
Contact	iptc_contact
ContentLocationCode	iptc_content_location_code
ContentLocationName	iptc_content_location_name
CopyrightNotice	iptc_copyright_notice
Country/PrimaryLocationCode	iptc_country_primary_location_code
Country/PrimaryLocationName	iptc_country_primary_location_name
Credit	iptc_credit
DateCreated	iptc_date_created
DigitalCreationDate	iptc_digital_creation_date

DigitalCreationTime	iptc_digital_creation_time
EditStatus	iptc_edit_status
EditorialUpdate	iptc_editorial_update
ExpirationDate	iptc_expiration_date
ExpirationTime	iptc_expiration_time
FixtureIdentifier	iptc_fixture_identifier
Headline	iptc_headline
ImageOrientation	iptc_image_orientation
ImageType	iptc_image_type
Keywords	iptc_keywords
LanguageIdentifier	iptc_language_identifier
ObjectAttributeReference	iptc_object_attribute_reference
ObjectCycle	iptc_object_cycle
ObjectName	iptc_object_name
ObjectTypeReference	iptc_object_type_reference
OriginalTransmissionReference	iptc_original_transmission_reference
OriginatingProgram	iptc_originating_program
ProgramVersion	iptc_program_version
Province/State	iptc_province_state
ReferenceDate	iptc_reference_date
ReferenceNumber	iptc_reference_number
ReferenceService	iptc_reference_service
ReleaseDate	iptc_release_date
ReleaseTime	iptc_release_time
Source	iptc_source
SpecialInstructions	iptc_special_instructions
SubLocation	iptc_sub_location
SubjectReference	iptc_subject_reference
SupplementalCategory	iptc_supplemental_category
TimeCreated	iptc_time_created
Urgency	iptc_urgency
Writer/Editor	iptc_writer_editor

Aperture Properties:

<i>Aperture Key</i>	<i>FileMaker DB Column Name</i>
kExportKeyHierarchicalKeywords	hierarchical_keywords
kExportKeyKeywords	keywords
kExportKeyMainRating	main_rating
kExportKeyProjectName	project_name
kExportKeyUniqueID	unique_id