

Adobe® Photoshop® Lightroom 4



LIGHTROOM 4 BASICS

HOW TO USE THE NEW VERSION OF
ADOBE'S POWERFUL CATALOG
AND EDITING PROGRAM

JOHN BALLARD

WORKSHOP OUTLINE

- WHAT IS LIGHTROOM?
- WHAT'S NEW IN LR 4?
- IMPORTING FROM CAMERA
- ORGANIZING YOUR PHOTOS
- EDITING IMAGES
- EXPORTING FOR USE/VIEWING
- ADDITIONAL MODULES – MAP, BOOK, SLIDESHOW, PRINT, WEB
- METADATA



JOHN BALLARD?

- Born – Milwaukee
- Started photography in college while getting a mechanical engineering degree, first photography course at MIT
- Moved to Utah – 1986
- First digital camera in 1998, Ricoh 0.3 megapixel
- Work at MagicSpace Entertainment, Broadway Across America – Utah, bringing musicals like Phantom of the Opera and Wicked to the Capitol Theatre
- Photography – landscape, old buildings & cars, pawn shops, theater



HAVE YOU USED LIGHTROOM?

- DO YOU USE
 - LIGHTROOM, LR3, LR4
 - APERTURE
 - RAW or JPEG
 - DNG



WHAT IS LIGHTROOM?

- Not a file browser like Adobe Bridge
- Image management database used for viewing, cataloging and non-destructive RAW file editing
- PLEware – parametric image editing software
- Useful for cataloging and processing large numbers of images
- Version 1.0 released in February of 2007

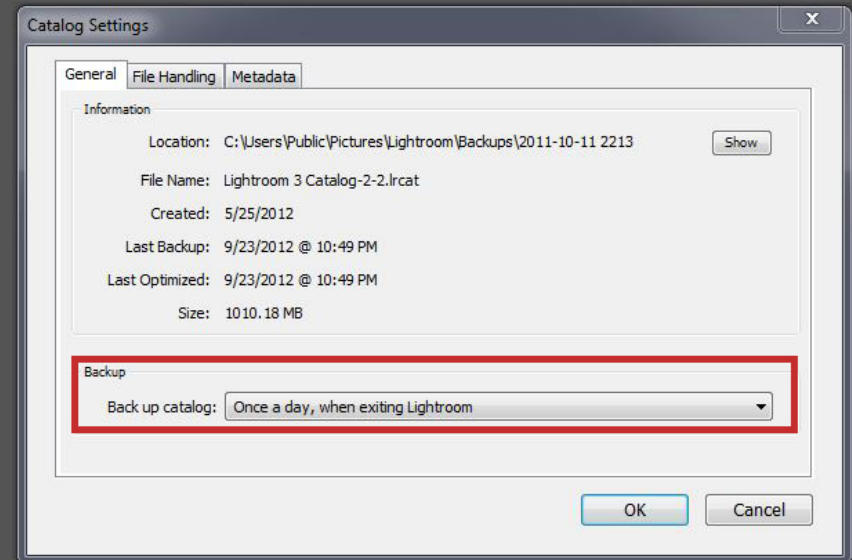
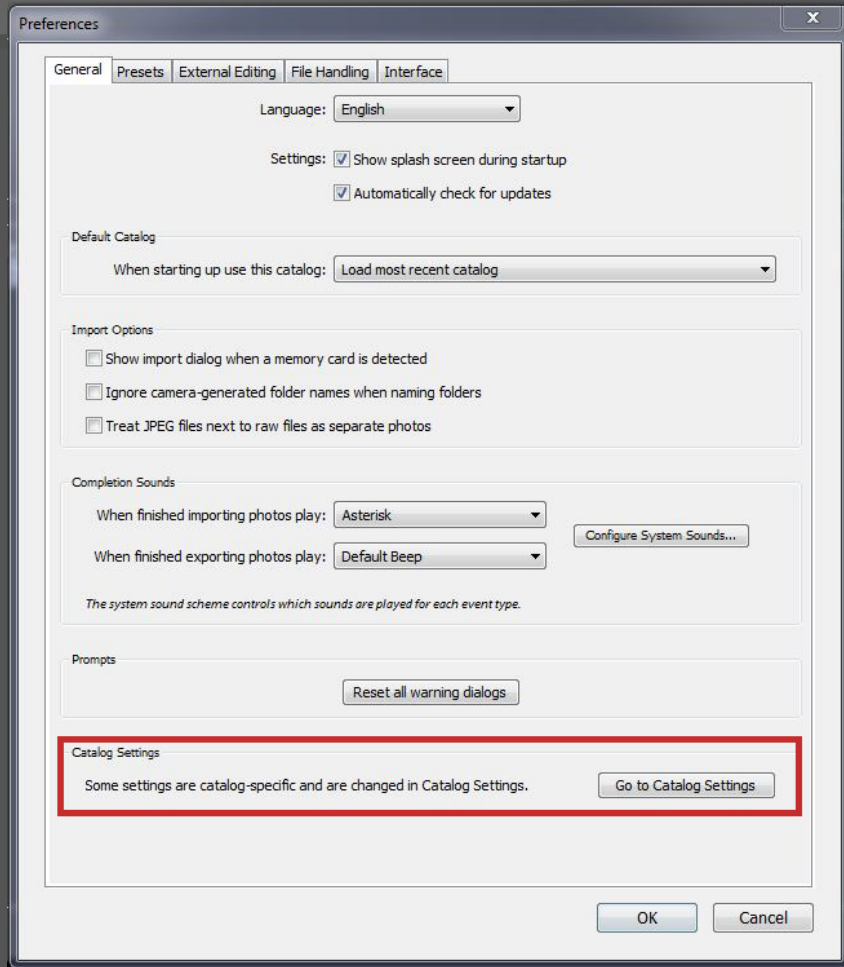


LIGHTROOM CATALOG, a database

- Written using the SQLite3 database
- Two file types - .lrcat, catalog info
.lrdata, jpeg preview images
- Database includes
 - Preview images
 - File location
 - Metadata – data about data
 - Develop module settings (edits)
 - Ratings
 - Keywords
 - Collections
- Preferences & Catalog settings
 - General – backup settings, important!
- Word of Warning – be careful using multiple catalogs; duplicates and inconsistent folder structure will cause problems



PREFERENCES & CATALOG SETTINGS



WHAT'S NEW IN LR4?

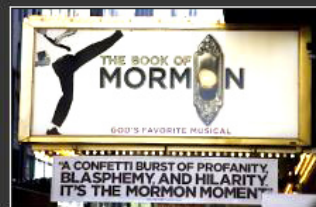
- Improved highlight and shadow recovery
- Photo book creation
- Location-based/GPS/map organization
- White balance brush
- Noise reduction and moiré removal
- Video organizing, viewing, and editing
- Email directly from Lightroom
- Process 2012 vs 2010/2003



ADOBE PHOTOSHOP LIGHTROOM 4

Library | Develop | Map | Book | Slideshow | Print | Web

Navigator FIT FILL 1:1 1:3



Presets +

- Lightroom B&W Filter Presets
- Lightroom B&W Presets
- Lightroom B&W Toned Presets
- Lightroom Color Presets
- Lightroom Effect Presets
- Lightroom General Presets
- Lightroom Video Presets
- User Presets
 - Contr 41 Sat 17 +

Snapshots +

Import/Contr 41 Sat 14

History x

- White Clipping +57 57
- Black Clipping -78 -81

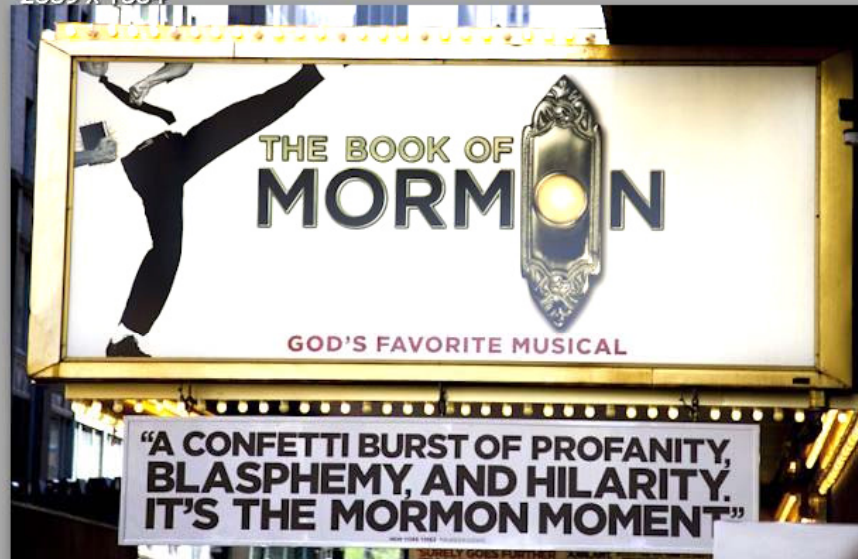
Copy...

Paste

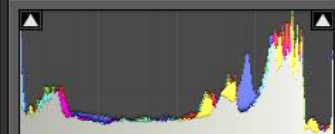


Soft Proofing

110508NY037.dng
5/8/2011 11:03:09 AM
2889 x 1884



Histogram



ISO 100 105 mm f/5.6 1/200 sec

Basic

Treatment: Color Black & White

WB: As Shot

Temp 4650

Tint -2

Tone Auto

Exposure +1.05

Contrast +21

Highlights 0

Shadows 0

Whites +57

Blacks -81

Presence

Clarity 0

Vibrance 0

Saturation +17

Previous

Reset

1 2 Collection: LR4-Bway-2012 28 photos / 1 selected / 120514NYC018-2-2k.jpg Filter: [Icons] Filters Off

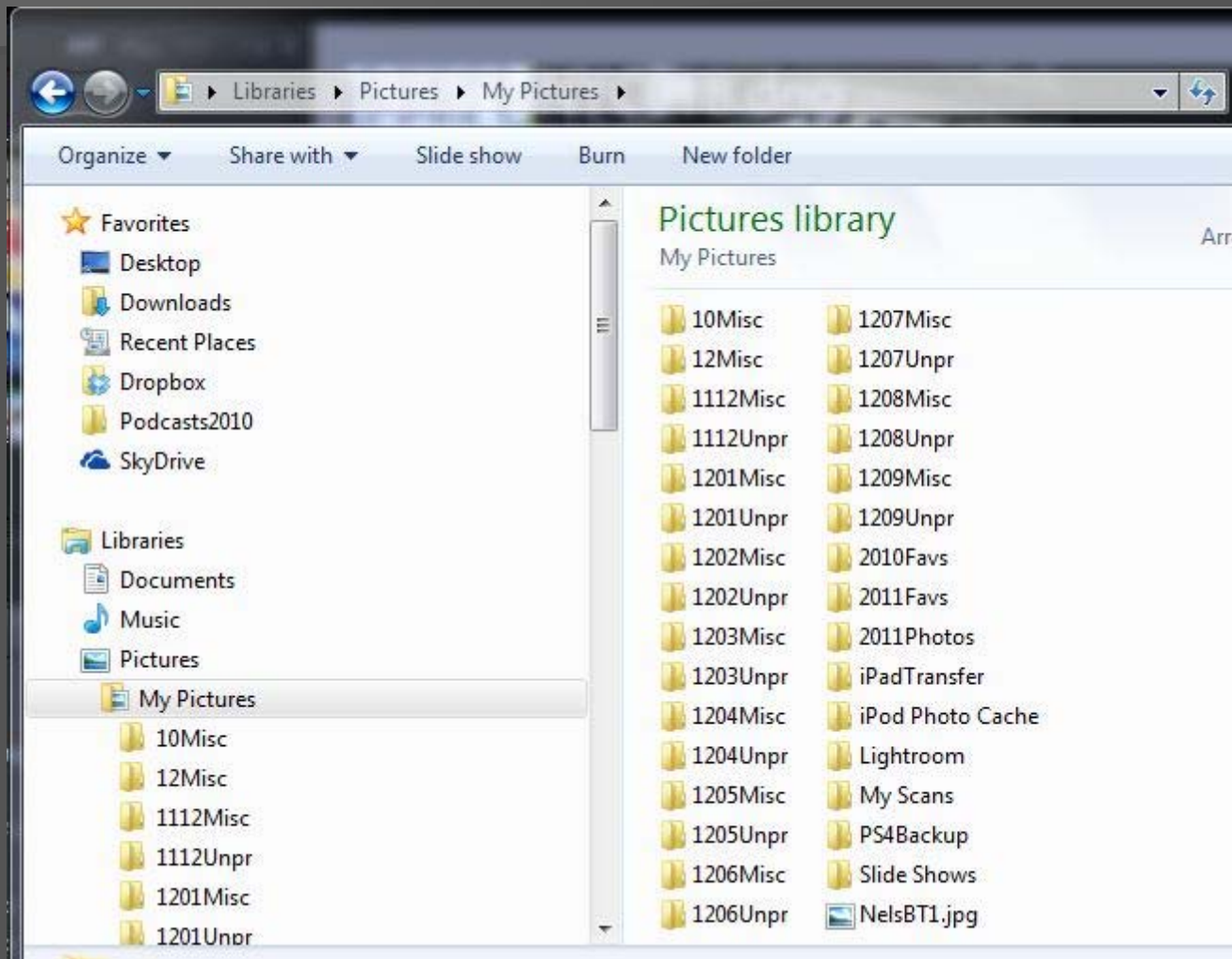


IMPORTING FROM CAMERA

- Generally accepted to put all photos in one LR catalog, no limit yet for number of images in a catalog
- Choose where to put photos – My Pictures or new folder on C drive; but use ONE folder for all photos
- Folder organization – by year, by month, Unprocessed/Raw/DNG and Processed/PSD/JPEG
- First step – set up new catalog



FOLDER ORGANIZATION



IMPORT DIALOG

1. Choose source
2. Process options
 - a. Copy as DNG – converts to DNG & copies
 - b. Copy – copies as is
 - c. Move – moves from/off original location to new location
 - d. Add – does not move or copy, but adds location of image to catalog; after APPLY DURING IMPORT specify NONE usually
3. Uncheck All – click on desired images and then check box





FROM EOS_DIGITAL (G:) →
DCIM \ 100EOS5D

Copy as DNG Copy Move Add
Convert to DNG in a new location and add to catalog



TO HP (C:) →
Users \ JWB \ My Pictu... \ 1208Unpr

Source

Devices

G:\EOS_DIGITAL\

Files

☐ Include Subfolders

▶ HP (C:)

▶ FACTORY_IMAGE (D:)

▼ EOS_DIGITAL (G:)

▼ DCIM

100EOS5D

MISC

▶ JB1-Fantom (L:)

▶ JB2-Fantom (M:)

▶ Jabba2 (NIX2-200-T18FNW) (Y:)



All Photos New Photos Destination Folders



Check All

Uncheck All

Sort: Capture Time ▾ Thumbnails

File Handling

Render Previews Minimal ▾

☐ Don't Import Suspected Duplicates

☒ Make a Second Copy To :
M:\PhotoBackupF2 \ 1... \ 1208UnprHD2

File Renaming

☒ Rename Files

Template Custom Settings ▾

Custom Text

Shoot Name

Start Number 1

Extensions Leave as-is ▾

Sample : 120529SLC001.DNG

Apply During Import

Develop Settings Contr 41 Sat 17 ▾

Metadata BPX 2012 ▾

Keywords

theater, Million Dollar Quartet, Capitol Theatre, Salt Lake City

Destination

☐ Into Subfolder

Organize By date ▾

380 photos / 5 GB*

Import Preset :

None ▾

Import

Cancel

IMPORT DIALOG - 2

1. File handling

- Do not import duplicates
- Make second copy – very important for backup!

2. Render previews

- Minimal (small & quick) – appropriate for wedding photogs with large numbers of images to load quickly
- Embedded + sidecar (small & quick) uses JPEG in Raw file
- Standard & 1:1 – higher quality and slower loading, but can start evaluating images during rendering process

3. File Renaming – I use YY-MM-DD plus location abbrev plus sequence – 121009SLC001.DNG



File Handling ▼

Render Previews: Standard ▾

☒ Don't Import Suspected Duplicates

☒ Make a Second Copy To : ▾
M:\PhotoBackupF2\1...\1208UnprHD2

File Renaming ▼

☒ Rename Files

Template: Custom Settings ▾

Custom Text

Shoot Name

Start Number: 1

Extensions: Leave as-is ▾

Sample: 120529SLC001.DNG

Apply During Import ▼

Develop Settings: Contr 41 Sat 17 ▾

Metadata: BPX 2012 ▾

Keywords

theater, Million Dollar Quarter, Capitol Theatre, Salt Lake City

Destination ▼

☐ Into Subfolder

Organize: By date ▾

Import Cancel



Filename Template Editor



Preset: Custom

Example: 120529SLC001.DNG

120529SLC{Sequence # (001)»}

Image Name

Filename

Insert

Numbering

Import # (1)

Insert

Image # (1)

Insert

Sequence # (1)

Insert

Additional

Date (YYYY)

Insert

Dimensions

Insert

Custom

Shoot Name

Insert

Custom Text

Insert

Done

Cancel

IMPORT DIALOG - 3

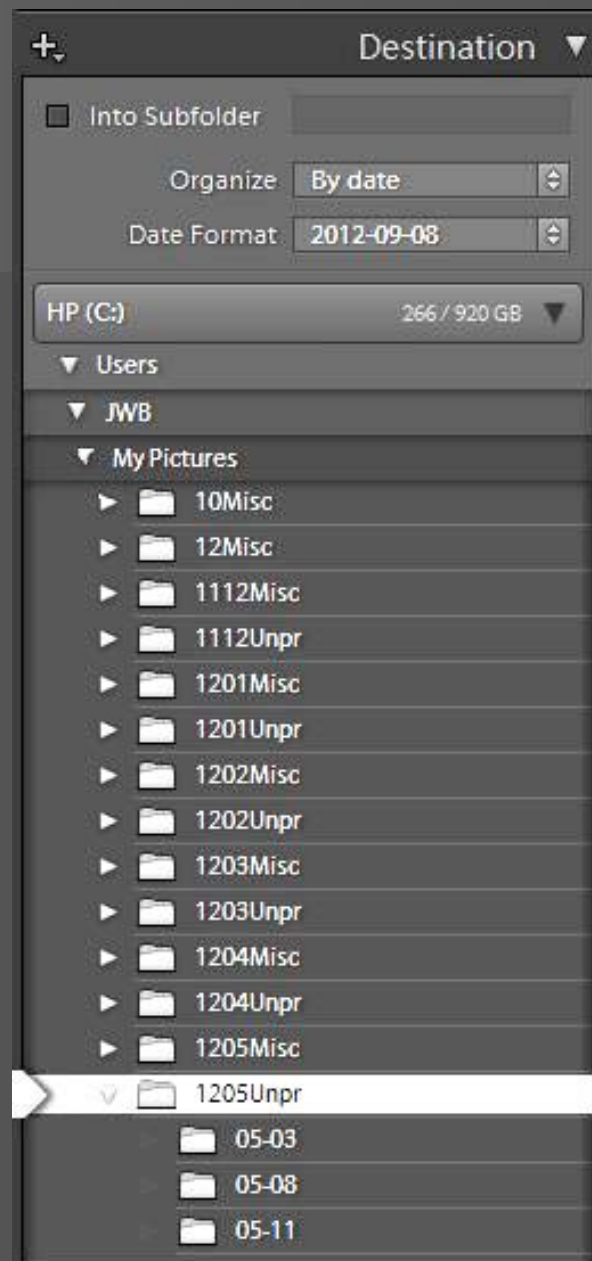
APPLY DURING IMPORT

- Develop settings, I add small amount of contrast and saturation with a preset
- Metadata preset – photographer info, copyright info, etc;
- Add keywords – only general keywords that apply to entire import group

DESTINATION – I leave INTO SUBFOLDER unchecked, use date without slash

In order to see your photos in LR, they must be imported into LR.





LIBRARY

ORGANIZING YOUR PHOTOS

- Library basics – Grid (G) and Loupe (E) views
 - Thumbnail size, zoom
 - Navigator – zoom different amounts
 - Folders panel – click on + button for options, Show Photos in Subfolders
- Customize Grid & Loupe views
 - View or right-click, view options
 - Loupe – can show Info 1 and Info 2
 - Grid – J to cycle thru different views
- Filmstrip
 - To customize, Edit-Preferences-Interface or right-click, view options



LIBRARY - 2

- Compare View

Compare multiple candidates to eliminate lesser images and find best

Lock zoom

Shift & tab to close panels and see larger images

- Survey View

Compare multiple photos

N key to enter

Click on X in lower right corner to eliminate

- Ratings

Flags, stars, labels (can edit labels to specify actions or category names); compatibility of color labels in LR and Bridge



Select

120529SLC407.dng

5/29/2012 8:29:13 PM

3861 x 2574



Candidate

120529SLC409.dng

5/29/2012 8:33:27 PM

3861 x 2574



Compare :



Zoom

1:4

Sync



Done



Survey :



LIBRARY - 3

KEYWORDS – Adding specific keywords for advanced search

Add (tag) keywords to photos three ways:

1. Type word(s) into field “Click here to add keywords” and then hit return
2. Select and click on Keyword Suggestions & Keyword Set (create your own sets)
3. Use Painter tool

In Grid view, keyword(s) can be added to multiple images by selecting images and then adding keywords in right panel.



LIBRARY - 4

- Filter

 - By attribute (flag, star, label), control L, \

 - By Text

 - By Metadata

- Quick Develop

 - Make quick basic edits such as Exposure and Vibrance

- Collections

- Publish Services

 - Post images directly to Facebook and Flickr



ADOBE PHOTOSHOP LIGHTROOM 4

Library | Develop | Map | Book | Slideshow | Print | Web

▼ Navigator

FIT FILL 1:1 1:3



- UMFA_Autos_July12 9
- WA_ORAug12Picks 126
- WA_ORAug12Selects 48

▼ Publish Services

- Hard Drive : C drive
- Adobe Revel Set Up...
- Facebook Set Up...
- Flickr : JWB Flickr
- Photostream 4
- Find More Services Online...



Import...

Export...

Library Filter:

Text

Attribute

Metadata

None

No Filter

Date	Date	Keyword	Label
All (12 Dates) 97	All (12 Dates) 97	All (15 Keyw... 97	All (4 Labels) 97
▶ 2009 97	▼ 2009 97	children 11	Green 20
	▶ October 4	Cuzco 4	Red 36
	▶ November 93	door 2	to print 30
		family 1	No Label 11



Histogram



ISO 100 28 mm f/9.0 1/160 sec

Quick Develop

Saved Preset: **Contr 41 Sat 17**

White Balance: **As Shot**

Tone Control: **Auto Tone**

Exposure: << < > >>

Clarity: << < > >>

Vibrance: << < > >>

Reset All

Keywording

Keyword Tags: **Enter Keywords**

children, Peru, Places

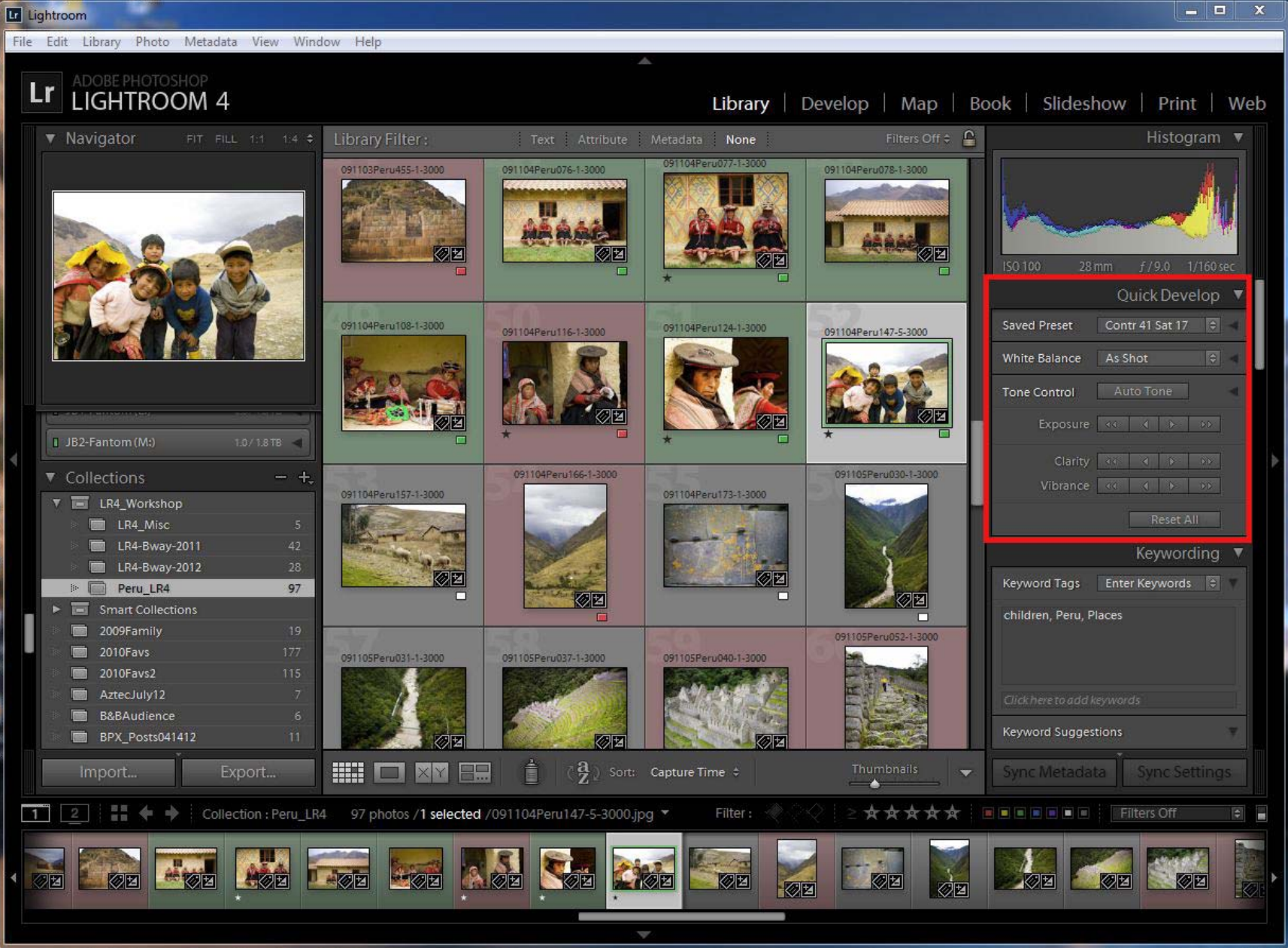
[Click here to add keywords](#)

Keyword Suggestions

Sync Metadata **Sync Settings**

1 2 Collection : Peru_LR4 97 photos / 1 selected / 091104Peru147-5-3000.jpg Filter: No Filter





ADOBE PHOTOSHOP
LIGHTROOM 4

Library | Develop | Map | Book | Slideshow | Print | Web

▼ Navigator

FIT FILL 1:1 1:4

Library Filter:

Text Attribute Metadata None

Filters Off

Histogram



091103Peru455-1-3000



091104Peru076-1-3000



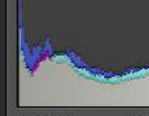
091104Peru077-1-3000



091104Peru078-1-3000



091104Peru078-1-3000



ISO 100 28 mm f/9.0 1/160 sec

Quick Develop

Saved Preset Contr 41 Sat 17

Balance As Shot

Control Auto Tone

Exposure << < > >>

Clarity << < > >>

Contrast << < > >>

Keywording

Tags Enter Keywords

Peru, Places, ruins*, textiles*

to add keywords

Keyword Suggestions

Sync Metadata

Sync Settings

▼ Collections

- LR4_Workshop
 - LR4_Misc 5
 - LR4-Bway-2011 42
 - LR4-Bway-2012 28
 - Peru_LR4 97**
- Smart Collections
 - 2009Family 19
 - 2010Favs 177
 - 2010Favs2 115
 - AztecJuly12 7
 - B&BAudience 6
 - BPX_Posts041412 11

Create Collection

Name: Peru1

Placement

☐ Next to Collection "Peru_LR4"

☒ Inside a Collection Set

LR4_Workshop

Collection Options

☒ Include selected photos

☐ Make new virtual copies

Create

Cancel

Import...

Export...

Sort: Capture Time

Thumbnails

Collection: Peru_LR4

97 photos / 6 selected / 091104Peru147-5-3000.jpg

Filter:

Filters Off

ADOBE PHOTOSHOP LIGHTROOM 4

Library | Develop | Map | Book | Slideshow | Print | Web

▼ Navigator



- UMFA_Autos_July12 9
- WA_ORAug12Picks 126
- WA_ORAug12Selects 48

▼ Publish Services

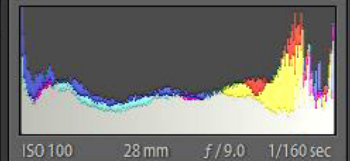
- Hard Drive : C drive
- Adobe Revel Set Up...
- Facebook Set Up...
- Flickr : JWB Flickr
- Photostream 4
- Find More Services Online...

Library Filter :

Date	Date	Keyword	Label
All (12 Dates) 97	All (12 Dates) 97	All (15 Keyw... 97	All (4 Labels) 97
▶ 2009 97	▼ 2009 97	children 11	Green 20
	▶ October 4	Cuzco 4	Red 36
	▶ November 93	door 2	to print 30
		family 1	No Label 11



Histogram



Quick Develop

Saved Preset: **Contr 41 Sat 17**

White Balance: **As Shot**

Tone Control: **Auto Tone**

Exposure: << < > >>

Clarity: << < > >>

Vibrance: << < > >>

Reset All

Keywording

Keyword Tags: **Enter Keywords**

children, Peru, Places

[Click here to add keywords](#)

Keyword Suggestions

Sync Metadata **Sync Settings**

Import...

Export...



Collection : Peru_LR4

97 photos / 1 selected / 091104Peru147-5-3000.jpg

Filter :

Thumbnails

No Filter



DEVELOP MODULE – EDITING

Exposure Adjustment

Use histogram, triangle to show highlight (red) & shadow (blue)clipping, ALT with exposure slider shows highlight clipping, ALT with Whites & Blacks shows clipping, makes screen go black

- Auto
- Exposure slider
- Shadows (big improvement over Fill Light) and Whites, Blacks , Highlights, Clarity
- HSL panel – adjust one color at a time
- Use + and – keys to move sliders, comma & period to move to next slider
- Reset sliders by double-clicking on nub
- See BEFORE view by pressing \



ADOBE PHOTOSHOP LIGHTROOM 4

Library | Develop | Map | Book | Slideshow | Print | Web

▼ Navigator FIT FILL 1:1 1:2



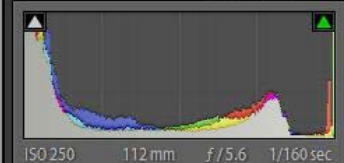
120514NYC052.dng

5/14/2012 2:40:36 PM

3861 x 2574



Histogram ▼



Basic ▼

Treatment: Color Black & White

WB: As Shot
Temp: 4350
Tint: +8

Tone: Auto
Exposure: +0.05
Recovery: 0
Fill Light: 47
Blacks: 5

Brightness: +50
Contrast: +45

Presence
Clarity: 0
Vibrance: 0

Previous

Reset

Copy...

Paste

Soft Proofing

Collection: ... 23 of 62 photos / 1 selected / 120514NYC052.dng

Filter: ★★★★★

Custom Filter



DEVELOP MODULE – 2

- White Balance
 - Drop down menu – Auto, Daylight, Tungsten, Fluorescent
 - Use eyedropper on light gray
 - Sliders – Temp (which I use often) and Tint
- Vibrance/Saturation
- Tone Curve
- Editing multiple images with same settings
 - Make changes to one image
 - Control click on images to have same development adjustments
 - Click Sync, Synchronize settings dialog appears & choose settings to copy
 - Click Synchronize
 - Or use AutoSync
- Presets - panel on left side, choose from LR presets
 - Saving custom Develop presets
- Quick Develop in Library module



DEVELOP MODULE – 3

■ Adjustment Brush

- (1) Click on brush, (2) guess on adjustment amount, (3) paint over area, (4) go back and refine adjustment, (5) edit pin appears
- Click pin again to make more adjustments to that area
- Auto mask helps determine edges of painted areas
- Press O to see red overlay
- Click on switch at bottom left to turn off adjustments

■ Cropping

- Lock or unlock aspect, set aspect ration if locked
- Angle adjustment to straighten image
- L to cycle two Lights Out modes
- Crop Guide Overlay in TOOLS menu; O to cycle through overlays



ADOBE PHOTOSHOP LIGHTROOM 4

Library | Develop | Map | Book | Slideshow | Print | Web

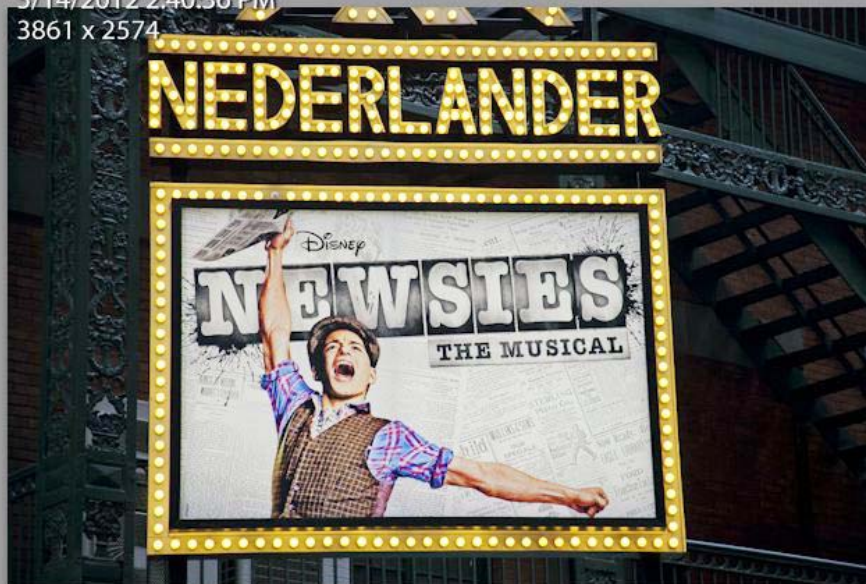
▼ Navigator FIT FILL 1:1 1:2



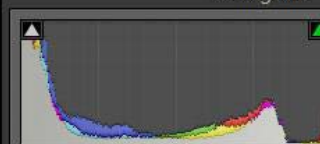
120514NYC052.dng

5/14/2012 2:40:36 PM

3861 x 2574



Histogram ▼



ISO 250 112 mm f/5.6 1/160 sec



Mask : New Edit

Effect : ▼

Exposure 0.00

Brightness 0

Contrast 0

Saturation 0

Clarity 0

Sharpness 0

Color

Brush : A B Erase ▼

Size 2.0

Feather 71

Flow 100

☐ Auto Mask

Density 100

Reset Close

▼ Snapshots +

▼ History x

From Metadata

- Export - Hard Drive (5/19/2012 7:31:03 ...)
- Export - Hard Drive (5/15/2012 5:51:28 ...)
- Exposure -0.36 0.05
- Fill Light -47 47
- Exposure -0.41 0.41
- Import/Contr 45 Sat 17 (5/14/2012 3:4...

Copy...

Paste

Show Edit Pins : Always ▾ ☐ Show Selected Mask Overlay

Done

Previous

Reset

1 2 Collection : ... 23 of 62 photos /1 selected /120514NYC052.dng ▼

Filter : ★★★★★

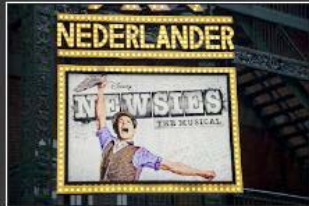
Custom Filter



ADOBE PHOTOSHOP LIGHTROOM 4

Library | Develop | Map | Book | Slideshow | Print | Web

▼ Navigator FIT FILL 1:1 1:2



Lightroom General Presets
Lightroom Video Presets
User Presets
Contr 41 Sat 17

▼ Snapshots +

▼ History x

From Metadata
Export - Hard Drive (5/19/2012 7:31:03 ...
Export - Hard Drive (5/15/2012 5:51:28 ...
Exposure -0.36 0.05
Fill Light -47 47
Exposure -0.41 0.41
Import/Contr 45 Sat 17 (5/14/2012 3:4...

Copy...

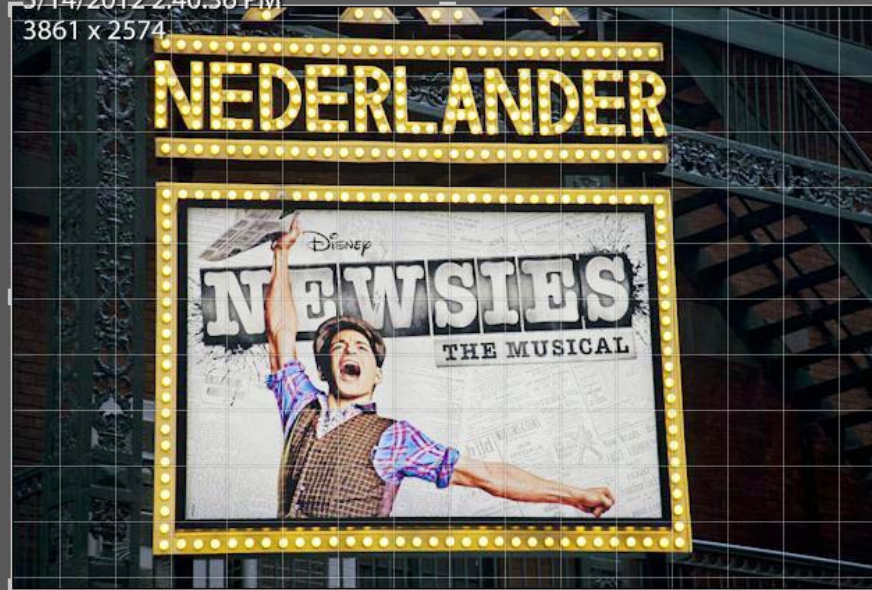
Paste

Tool Overlay : Always

120514NYC052.dng

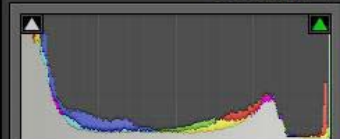
5/14/2012 2:40:36 PM

3861 x 2574



Done

Histogram ▼



ISO 250 112 mm f/5.6 1/160 sec



Tool : Crop & Straighten

Aspect : Original

Angle : 0.00

☐ Constrain To Warp

Reset Close

Basic ▼

Treatment : Color Black & White

WB : As Shot

Temp : 4350

Tint : +8

Tone : Auto

Exposure : +0.05

Previous Reset

1 2 Collection : ... 23 of 62 photos / 1 selected / 120514NYC052.dng

Filter : [Icons]

Custom Filter



DEVELOP MODULE – 4

- Gradient Filter – great for over-exposed skies
Click on Graduated Filter tool, go to top of sky and drag down, then add adjustments to exposure, color, saturation, etc
- Spot Removal Tool
Zoom to 1:1, use Heal unless close to edge, size circle larger than spot, click
- Red Eye Tool
- Sharpening – Detail Panel



DEVELOP MODULE – 5

- Noise Reduction – Detail Panel
 - Color adjustment first and then Luminance for grain
 - Detail adj if image looks blurry
- Before & After views- click on YY in lower left
 - Drop-down menu for different view formats
- History Panel –
 - Shows all develop edits even after quitting LR
 - Roll cursor over list of History states to preview in Nav panel;
 - In each edit step, numbers on right show # units that settings were shifted and final setting



DEVELOP MODULE – 6

- LR3 uses Process 2010
- LR4 uses Process 2012
 - Basic adjustment panel radically revised
 - 2010 – Exposure, Recovery, Fill Light, Blacks, Brightness, Contrast
 - 2012 – Exposure, Contrast, Highlights, Shadows, Whites, Blacks
 - Process 2012 controls are more specific with less overlap, more symmetry
- When opening Process 2010 images in LR4, a dialog appears asking you to update to 2012; do this cautiously



DEVELOP MOD - BASIC PANEL

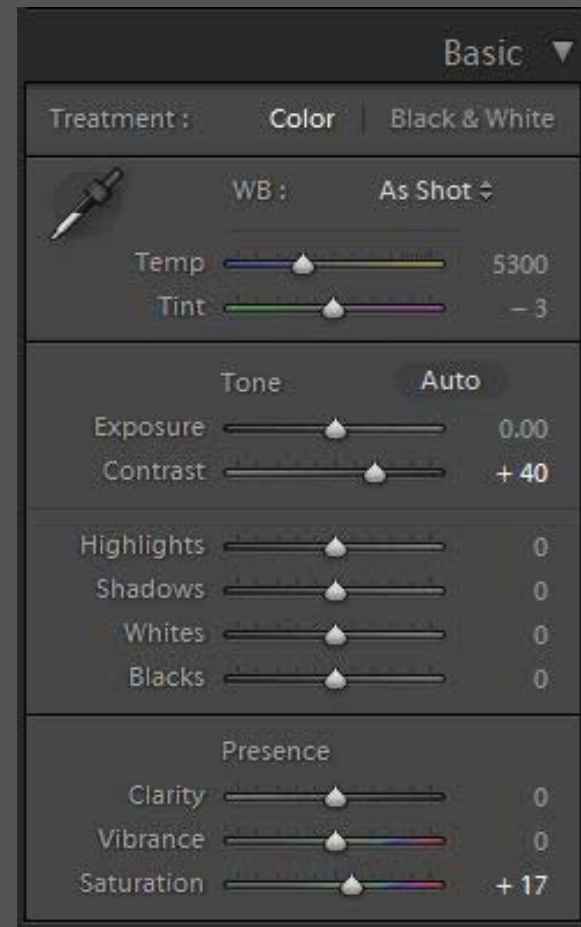
LR3

Process 2010



LR4

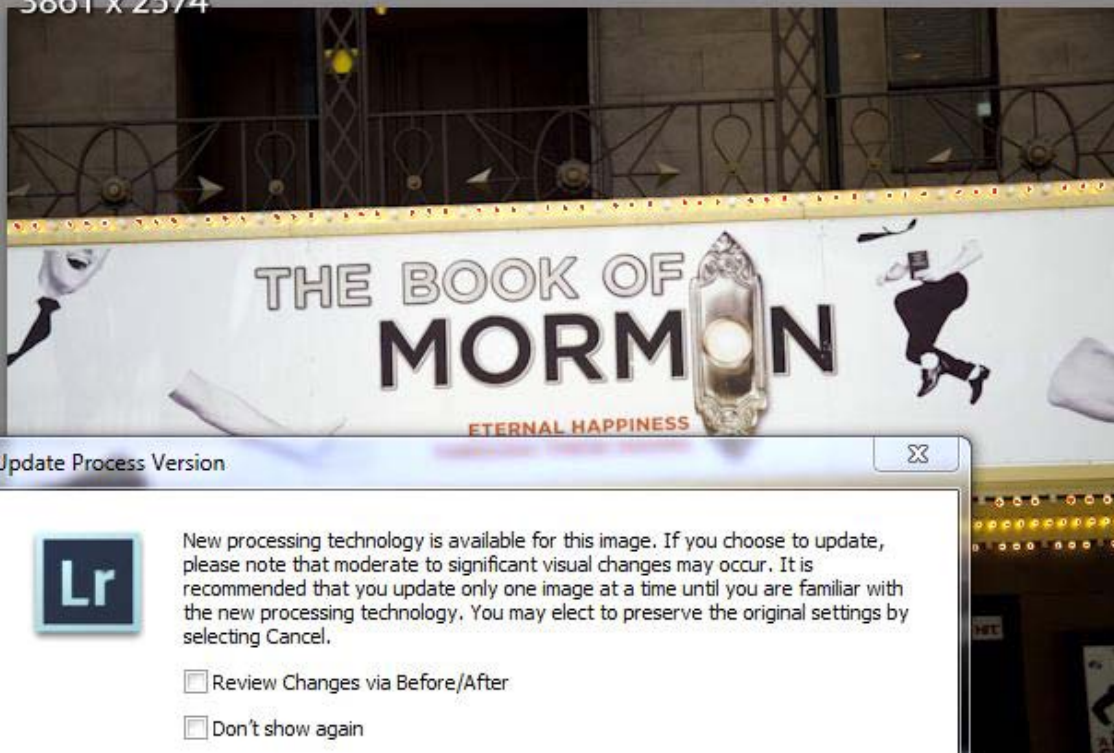
Process 2012



110508NY039.dng

5/8/2011 11:04:05 AM

3861 x 2574



Update Process Version



New processing technology is available for this image. If you choose to update, please note that moderate to significant visual changes may occur. It is recommended that you update only one image at a time until you are familiar with the new processing technology. You may elect to preserve the original settings by selecting Cancel.

☐ Review Changes via Before/After

☐ Don't show again

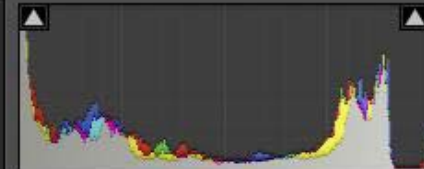
Update All Filmstrip Photos

Update

Cancel



Histogram



ISO 100 75 mm f/5.0 1/200 sec

Basic

Treatment: Color Black & White

WB: As Shot

Temp 4450

Tint -8

Tone Auto

Exposure +1.24

Recovery 0

Fill Light 0

Blacks 5

Brightness +50

Contrast +41

Presence

Clarity 0

Vibrance 0

Saturation +17

Previous

Reset



Soft Proofing

EXPORTING

SAVE AS - JPG, TIFF, PSD

In Library, select photos to export, click EXPORT in lower left

Export Dialog appears

- LIGHTROOM & USER PRESETS – burn JPG to DVD, email, etc
- EXPORT LOCATION – choose folder, second choice “Choose folder later” is useful for presets; check ADD TO THIS CATALOG
- FILE NAMING– create presets for name styles used often
- FILE SETTINGS – Image format, color space (sRGB if for JPG), Quality for JPG, Bit depth (16 bits best) if for PSD
- IMAGE SIZING – many options

Lr Lightroom

File Edit Library Photo Metadata View Window Help

ADOBE PHOTOSHOP
LIGHTROOM 4

Library | Develop | Map | Book | Slideshow | Print | Web

▼ Navigator

FIT FILL 1:1 1:2



JB1-Fantom (L:) 0.6 / 1.8 TB

JB2-Fantom (M:) 0.9 / 1.8 TB

▼ Collections

- LR4_Workshop
 - LR4_Misc 5
 - LR4-Bway-2011 42
 - LR4-Bway-2012 28
 - LR4-Bway-2012-UNPR 62**
 - Peru_LR4 97
- Smart Collections
 - 2009Family 19
 - 2010Favs 177

Import...

Export...

120514NYC032.dng

5/14/2012 7:48:07 AM

3597 x 2321



Histogram

marquee, New York, theater

Click here to add keywords

Keyword Suggestions

MDQ	Capitol Theatre	Mary Poppins
Salt Lake City	Fresno	Theaters
Broadway	Other Keyw...	Rain

Keyword Set Recent Keywords

Ballard	river	bridge
coffee	theater	Grand Rapids
fishing	audition	Lance

+ Keyword List

EXIF and IPTC Metadata

Preset None

File Name 120514NYC032.dng

Copy Name

Folder 2012-05-14

File Size 23.86 MB

File Type Digital Negative (D...)

Metadata Status Up to date

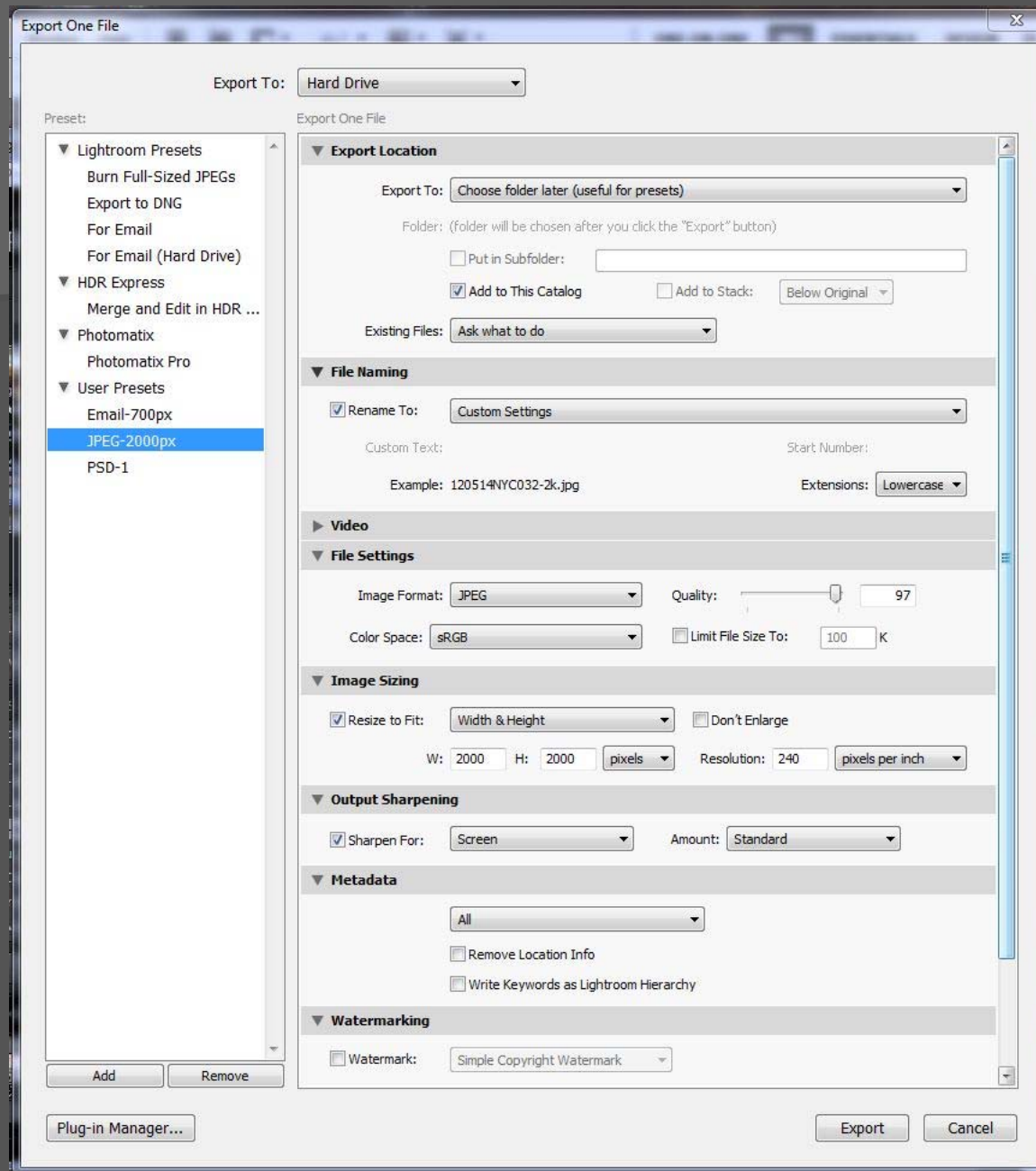
Metadata Date 5/18/2012 9:07:02

Sync

Sync Settings

1 2 Collection : LR4-Bway-2012-UNPR 62 photos / 1 selected / 120514NYC032.dng Filter : No Filter





EXPORTING - 2

- OUTPUT SHARPENING – I only use this for images on web or in email; also for type of paper, matte or glossy
- METADATA – determine which metadata will stay with photo; if posting on web you may want to hide most
- POST PROCESSING – I usually use “Do Nothing”
- TO SAVE AS PRESET, “Choose Folder Later”, set Existing Files option, click ADD button in lower left, name preset and click CREATE
- Now you can avoid the Export Dialog and go to FILE, EXPORT WITH PRESET, and choose the preset you want



EMAILING PHOTOS FROM LR4

- 1) Click on images to email, FILE, Email Photo
- 2) Type email address, subject, and LR chooses default email app
- 3) If using other email acct, go to Email Acct Mgr, click ADD button and choose email service; if not listed choose OTHER and you will need to add server info yourself.
- 4) Choose size of image, click SEND, email service appears and click SEND again.
- 5) Must build email address book or type each address



ADOBE PHOTOSHOP LIGHTROOM 4

Library | Develop | Map | Book | Slideshow | Print | Web

Navigator



JB2-Fantom (M:) 1.0 / 1.8 TB

Collections

LR4_Workshop

LR4_Misc	5
LR4-Bway-2011	42
LR4-Bway-2012	28
Peru_LR4	97
Smart Collections	
2009Family	19
2010Favs	177
2010Favs2	115
AztecJuly12	7
B&BAudience	6
BPX_Posts041412	11

Import...

Export...

Collection : Peru_LR4



JWBallard_Hotmail - 1 Photo

To:

Cc Bcc Address

Subject:

From:

JWBallard_Hotmail

Myriad Web Pro

Medium

B

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Attached File:



☐ Include caption metadata as a description label

Preset: Large - 800 px long edge, high quality

Send

Cancel

PRINT MODULE

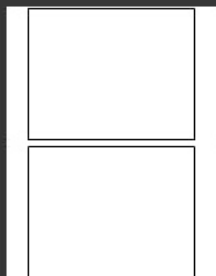
- 1) CLICK ON Page Setup to determine paper size, this avoids having to resize setup later to fit a different size paper
- 2) Choose photos from filmstrip; F6 to toggle filmstrip on/off
- 3) Choose from LR Templates on left (hover cursor to see in Preview panel) or Layout Style in upper right
- 4) Zoom to Fill, Rotate to Fit, choose layout settings, Keep Square; construct Contact Sheet for example or some of Kelby's cool layouts
- 5) Guides (Rulers, Page Bleed, Margins, etc



Lr ADOBE PHOTOSHOP
LIGHTROOM 4

Library | Develop | Map | Book | Slideshow | **Print** | Web

▼ Preview



▼ Template Browser +

- ▶ Lightroom Templates
- ▶ KelbyPrintPresets
- ▶ User Templates

▶ Collections - +



Page Setup...

Unsaved Print

Create Saved Print

Layout Style ▼

Single Image / Contact Sheet

Picture Package

Custom Package

Image Settings ▼

- ☐ Zoom to Fill
- ☐ Rotate to Fit
- ☐ Repeat One Photo per Page

☐ Stroke Border

Width 1.0 pt

Layout ▼

Ruler Units: Inches ↓

Margins

Left 0.12 in
Right 0.14 in
Top 0.12 in
Bottom 0.14 in

Page Grid

Rows 2
Columns 1

Cell Spacing

Vertical 0.35 in
Horizontal 0.00 in

Cell Size

Height 5.19 in
Width 6.58 in

Print One

Print to File...

Page 1 of 1

Paper: Letter

Printer: HP Officejet Pro 8600



Page 1 of 1

1 2 Collection: Peru_LR4 97 photos / 2 selected / 091104Peru077-1-3000.jpg

Filter: ≥ ★ ★ ★ ★ ★

Filters Off



PRINT MODULE -2

- 6) Page – Background color, Identity Plate, watermarking, Photo info eg Filename
- 7) Printer or Print to JPG (send to print lab, use in website)
- 8) Draft mode uses low-res JPG preview images, good for contact sheets or layout proofs
- 9) Draft off, set Print Res & Print Sharpening, Media type, Managed by Printer or Other – to use custom printer/paper profiles
- 10) Print One bypasses printer dialog and uses previous settings; Print brings up printer dialog



Layout Style ▾

Single Image / Contact Sheet

Picture Package

Custom Package

Image Settings ▾

☐ Zoom to Fill

☐ Rotate to Fit

☐ Repeat One Photo per Page

☐ Stroke Border

Width 1.0 pt

Layout ▾

Ruler Units : Inches ▾

Margins

Left 0.12 in

Right 0.14 in

Top 0.12 in

Bottom 0.14 in

Page Grid

Rows 2

Columns 1

Cell Spacing

Vertical 0.35 in

Horizontal 0.00 in

Cell Size

Height 5.19 in

Width 6.58 in

☐ Keep Square

Guides ▾

Guides ▾

☒ Show Guides

☒ Rulers

☒ Page Bleed

☒ Margins and Gutters

☒ Image Cells

☐ Dimensions

Page ▾

☐ Page Background Color

☐ Identity Plate 0°

☐ Override Color

Opacity 100 %

Scale 25 %

☐ Render behind image

☐ Render on every image

☐ Watermarking : None ▾

☐ Page Options

☐ Page Options

☐ Page Numbers

☐ Page Info

☐ Crop Marks

☐ Photo Info

Filename ▾

Font Size : 10 ▾

Print Job ▾

Print to : JPEG File ▾

☐ Draft Mode Printing

File Resolution 300 ppi

☒ Print Sharpening : Low ▾

Media Type : Matte ▾

JPEG Quality 100

☐ Custom File Dimensions :

8.50 in x 11.00 in

Color Management

Profile : sRGB ▾

Intent : Perceptual | Relative

☐ Print Adjustment ▾

Brightness 0

Contrast 0

Print One

Print to File...

SLIDESHOW

- USE – Selected Photos & choose photos from film strip
- Click and drag to change order
- Use LR template to start
- Click Preview to see quick preview
- ABC to create Text Overlay
- Resize image by Layout panel (Link All if same margins) or by dragging guides
- Stroke (size and color) background color
- Add Intro & Ending screen
- Add music, set slide duration and fade
- Save as Template, click + in Template Browser, name, folder in which to save



ADOBE PHOTOSHOP LIGHTROOM 4

Library | Develop | Map | Book | **Slideshow** | Print | Web

Preview



Template Browser

Lightroom Templates

- [-] Caption and Rating
- [-] Crop To Fill
- [-] Default +
- [-] Exif Metadata
- [-] Widescreen

User Templates

PAWN2

Collections

LR4_Workshop

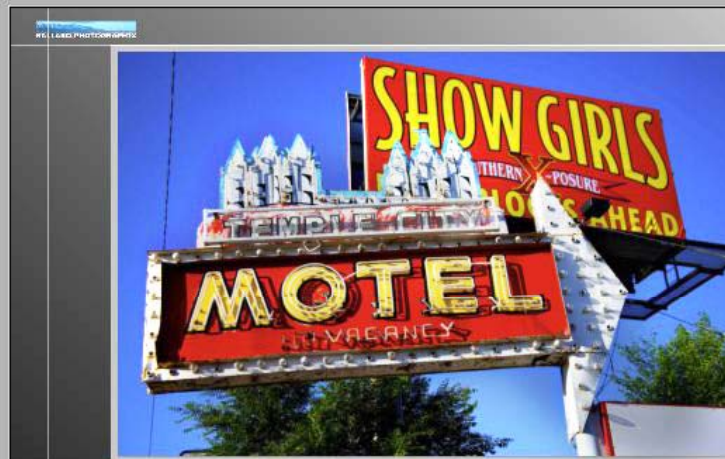
- [-] LR4_Misc 5
- [-] LR4-Bway-2011 42
- [-] LR4-Bway-2012 28
- [-] Peru_LR4 97

Export PDF...

Export Video...

Unsaved Slideshow

Create Saved Slideshow



SIGNS, SLEAZE & PAWN

Options

☐ Zoom to Fill Frame

☒ Stroke Border

Width 8 px

☒ Cast Shadow

Opacity 47 %

Offset 54 px

Radius 66 px

Angle -45 °

Layout

☒ Show Guides

Left 76 px

Right 76 px

Top 76 px

Bottom 128 px

☐ Link All

Overlays

☒ Identity Plate



☐ Override Color

Preview

Play

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

Folder: Old & Worn, Pawn

32 photos / 15 selected / 110723SLC039-1-2k.jpg

Filter:

Filter: [Icons]

No Filter



WEB MODULE

TEMPLATE BROWSER & LAYOUT STYLE PANELS

TEMPLATES, Flash or HTML, rollover template names to see in PREVIEW, find online galleries

USER TEMPLATES – save formats you create

- SITE INFO – Site titles, description, contact info, logo, web address
- COLOR PALETTE – choose colors for background, text, grid line
- APPEARANCE – drop shadow, dimensions of index page grid, photo borders, size of images
- IMAGE INFO – title and caption OUTPUT SETTINGS – image quality, watermark, sharpening
- UPLOAD SETTINGS – I export and upload with Dreamweaver, can configure to upload directly from LR



Lr ADOBE PHOTOSHOP LIGHTROOM 4

Library | Develop | Map | Book | Slideshow | Print | Web

▼ Preview



HTML

▼ Template Browser

▼ Lightroom Templates

- Blue Sky
- Charcoal
- Classic
- Clean
- Clean - HTML
- Dark Poppy Seed
- Dark Poppy Seed - HTML
- Dusk
- Earl Grey
- Earthy
- Earthy - HTML
- Exif metadata
- Flash gallery (default)
- HTML gallery (default)

Preview in Browser...

Unsaved Web Gallery

Create Saved Web Gallery

BALLARD PHOTOGRAPHIX

DETROIT

An Abandoned City



Numbers

Appearance ▼

Common Settings

☒ Add Drop Shadow to Photos

☒ Section Borders

Grid Pages



☒ Show Cell Numbers

☒ Photo Borders

Image Pages

Size px

☒ Photo Borders

Width px

Image Info ▼

Labels

☒ Title

Title ▾

Export...

Upload...

Lightroom HTML Gallery

1 2 Folder: Detroit-3k 23 photos / 1 selected / 100308DET002-HDR1-3k.jpg

Filter:



MAP MODULE

Three methods to organize images in LR MAP

- If your photos have GPS information embedded, LR will automatically add them to the world map
- Import GPX tracklogs with Tracklog icon in toolbar
- Search the map and place (drag & drop from filmstrip) images on a location manually

STYLE, FILTERING, LOCATIONS

- MAP STYLE - Hybrid, Road Map, etc
- LOCATION FILTER BAR
- SAVED LOCATIONS panel



ADOBE PHOTOSHOP LIGHTROOM 4

Library | Develop | **Map** | Book | Slideshow | Print | Web

▼ Navigator



▼ Saved Locations

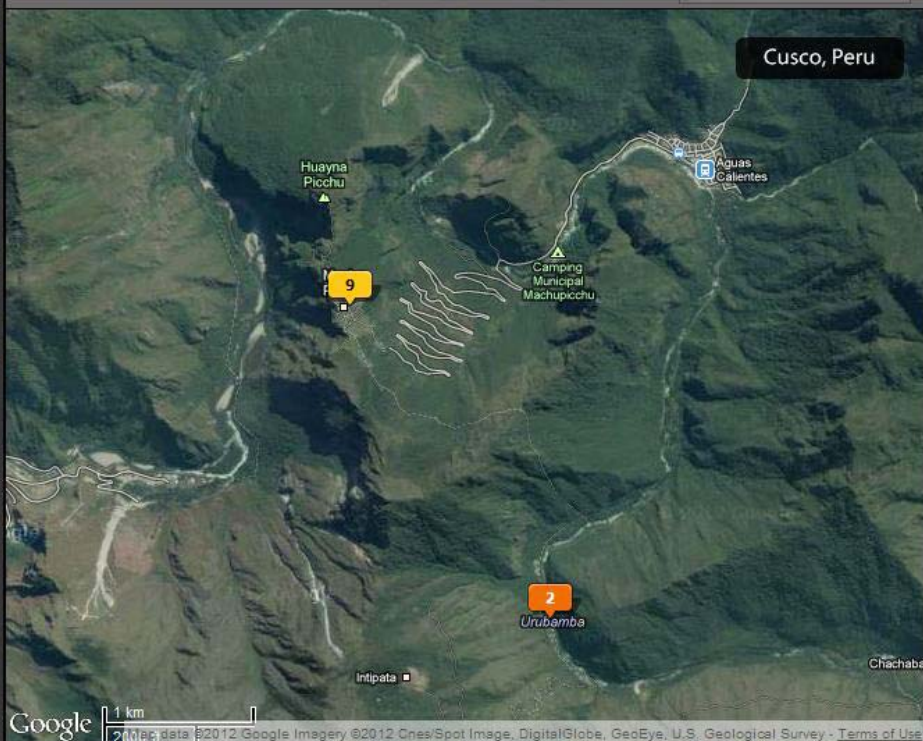
- ▼ My Locations
- Cuzco 11
- Salt Lake City - High ... 0
- Salt Lake City, Avenu... 0
- Salt Lake City, daily r... 0

▼ Collections

- ▼ LR4_Workshop
- ▼ LR4_Misc 5
- ▼ LR4-Bway-2011 42
- ▼ LR4-Bway-2012 28
- ▼ Peru_LR4 97
- ▼ Smart Collections
- ▼ 2009Family 19
- ▼ 2010Favs 177
- ▼ 2010Favs2 115
- ▼ AztecJuly12 7
- ▼ B&BAudience 6

Location Filter:

Visible On Map Tagged Untagged None Search Map



Map Style: Hybrid

Location

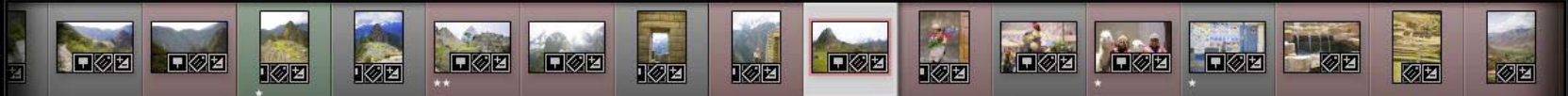
Metadata

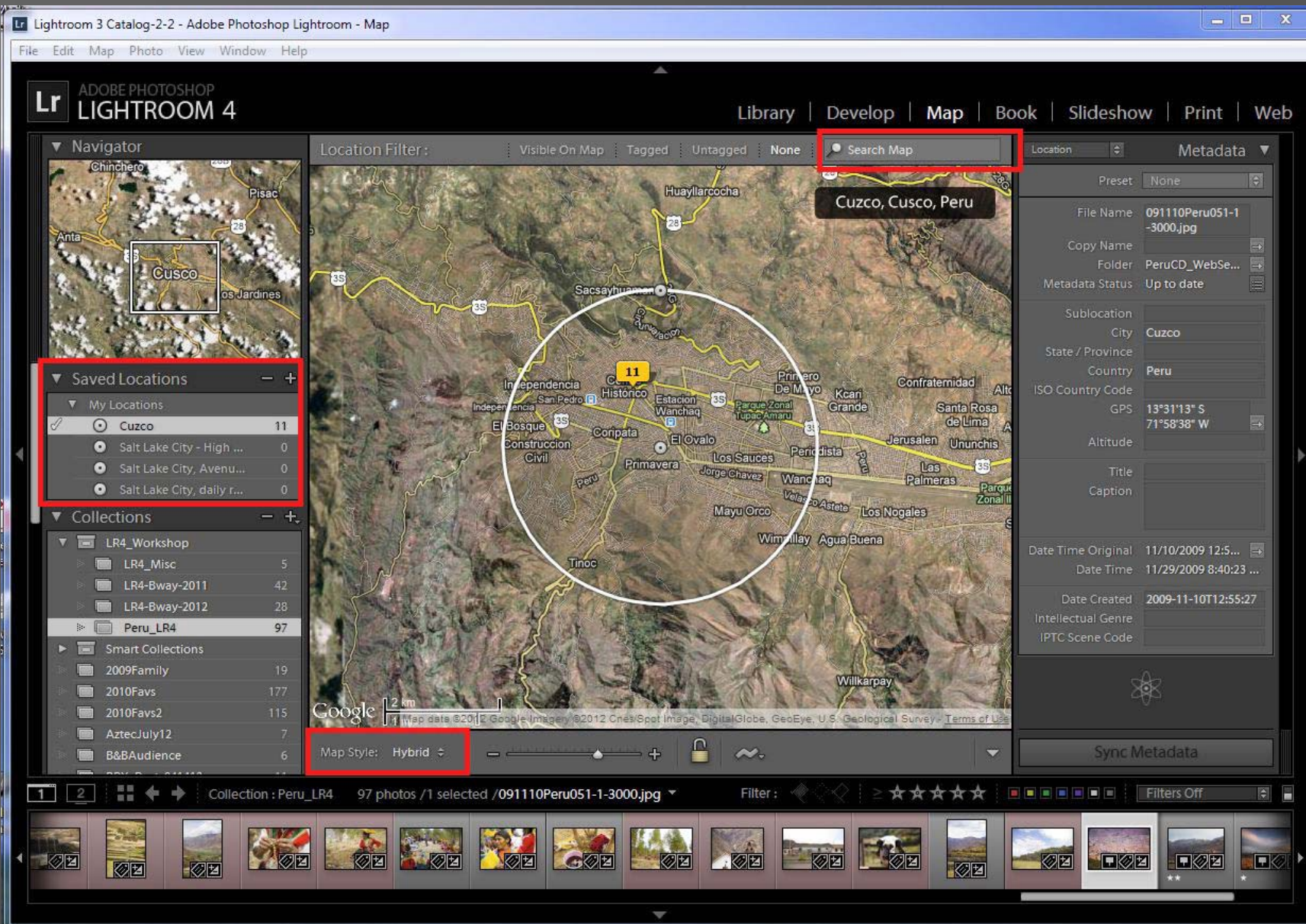
Preset	None
File Name	091106Peru036-1-3000.jpg
Copy Name	
Folder	PeruCD_WebSe...
Metadata Status	Up to date
Sublocation	
City	Machu Picchu
State / Province	
Country	Peru
ISO Country Code	
GPS	13°9'50" S 72°32'44" W
Altitude	
Title	
Caption	
Date Time Original	11/6/2009 7:10:...
Date Time	11/29/2009 8:38:00 ...
Date Created	2009-11-06T07:10:01
Intellectual Genre	
IPSC Scene Code	



Sync Metadata

1 2 Collection: Peru_LR4 97 photos / 1 selected / 091106Peru036-1-3000.jpg Filter: [Icons] Filters Off





METADATA

Data about data

Information about photographs

- METADATA TYPE 1 , automatically generated, file properties
 - Camera-created information – make, exposure, lens
 - EXIF (Exchangeable Image File) – shutter speed, f-stop, ISO, date & time, lens, flash
 - GPS Exchange Format (GPX) - location, geotagging
- METADATA TYPE 2, bulk entry data
 - IPTC Core (International Press Telecommunications Council) – creator name & contact info, copyright, licensing
 - Subject, client, general project keywords
 - DICOM (Digital Imaging and Communications in Medicine)



ADOBE PHOTOSHOP
LIGHTROOM 4

Library | Develop | Map | Book | Slideshow | Print | Web

▼ Navigator

FIT FILL 1:1 1:4

Library Filter:

Text

Attribute

Metadata

None

No Filter

Histogram



- ▶ 1206Misc 261
- ▶ 1206Unpr 573
- ▶ 1207Misc 291
- ▶ 1207Unpr 621
- ▼ 1208Misc 325
 - ▶ LR4_Workshop 189
 - ▶ Detroit-3k 23
 - ▶ Old & Worn, Pawn 32
 - ▶ PeruCD_WebSelect 97
 - ▶ ORWA_Aug12 113
 - ▶ OR_WAAug12-2k 59
 - ▶ OR-WA700px 10
 - ▶ 1208Unpr 523
 - ▶ 1209Unpr 8
 - ▶ 2010Favs 115
 - ▶ 2011Favs 158



Default
Metadata

Preset
None

File Name
091108Peru142-1-3000.jpg

Copy Name

Folder
PeruCD_WebSele...

Metadata Status
Up to date

Title

Caption

Copyright
Ballard Photographix 2009

Copyright Status
Copyrighted

Creator
John Ballard

Sublocation

Rating
★

Label
Red

Capture Time
10:18:07 AM
November 08, 20...

Dimensions
3000 x 1990

Cropped
3000 x 1990

Exposure
1/320 sec at f / 5.6

Focal Length
105 mm

ISO Speed Rating
ISO 100

Flash
Did not fire

Make
Canon

Import...

Export...



Sort: Capture Time

Thumbnails

Sync Metadata

Sync Settings

1 2 Folder: PeruCD_WebSelect 97 photos / 1 selected / 091108Peru142-1-3000.jpg Filter: No Filter



EXIF and IPTC
Metadata

Preset
None

File Name
091108Peru142-1-3000.jpg

Copy Name

Folder
PeruCD_WebS...

File Size
633.99 KB

File Type
JPEG

Metadata Status
Up to date

Metadata Date
9/9/2012 4:19:03 PM

Rating
★

Label
Red

Title

Caption

EXIF

Dimensions
3000 x 1990

Cropped
3000 x 1990

Exposure
1/320 sec at f / 5.6

Exposure Bias
0 EV

Flash
Did not fire

Exposure Program
Manual

Metering Mode
Pattern

ISO Speed Rating
ISO 100

Focal Length
105 mm

Lens
EF28-135mm f/3

Date Time Original
11/8/2009 10:1...

Date Time Digitized
11/8/2009 10:18:07...

Date Time
11/29/2009 8:38:45...

Make
Canon

Model
Canon EOS 5D

Serial Number
1821203191

User Comment

Artist
John Ballard

Software
Adobe Photoshop...

GPS
13°31'13" S
71°58'44" W

Altitude

Contact

Creator
John Ballard

BATCH RENAME

SHOW THIS FOLDER IN LR

RESOLVE METADATA CONFLICT

FILTER TO SHOW PHOTOS WITH SAME LABEL

GO TO CROP OVERLAY IN DEVELOP MODULE

FILTER TO SHOW PHOTOS WITH SAME ISO

GO TO MAP MODULE IN LR

METADATA - 2

- METADATA TYPE 3, higher metadata
 - Ratings
 - Specific keywords
 - Parametric adjustments written to XMP (Extensible Metadata Platform) files – LR Develop edits
- Why is METADATA important?
 - Metadata adds value to your photographs because it helps you and others find them when they are needed
 - To maximize value of photo collection, identify the images of the highest value and add the highest metadata value that is practical – Peter Krogh.



IPTC

Metadata ▼

Preset

None

File Name 091108Peru142-1-3000.jpg

Metadata Status Up to date

Contact

Creator John Ballard

Job Title photographer

Address

City Salt Lake City

State / Province Utah

Postal Code

Country USA

Phone 801-870-0929

E-Mail john.ballard@live.com

Website www.ballardphotographix.com

Content

Headline

Description

IPTC Subject Code

Description Writer

Category

Other Categories

Image

Date Created 2009-11-08T10:18:07

Image

Date Created 2009-11-08T10:18:07

Intellectual Genre

IPTC Scene Code

Sublocation

City

State / Province

Country Peru

ISO Country Code

Status

Title

Job Identifier

Instructions

Creditline

Source

Copyright

Copyright Status Copyrighted

Copyright

Rights Usage Terms

Copyright Info URL

Ballard
Photographix 2009No reproduction for
commercial use
without prior
written consent

EXIF

Metadata

Preset

None

File Name

091108Peru142-1-3000.jpg

File Path

PeruCD_WebS...

Dimensions

3000 x 1990

Cropped

3000 x 1990

Date Time Original

11/8/2009 10:1...

Date Time Digitized

11/8/2009 10:18:07...

Date Time

11/29/2009 8:38:45...

Exposure

1/320 sec at *f* / 5.6

Focal Length

105 mm

Exposure Bias

0 EV

ISO Speed Rating

ISO 100

Flash

Did not fire

Exposure Program

Manual

Metering Mode

Pattern

Make

Canon

Model

Canon EOS 5D

Serial Number

1821203191

Lens

EF28-135mm f/3

Artist

John Ballard

Software

Adobe Photoshop...

User Comment

GPS

Altitude

IPTC Extension
Metadata

Preset
None

File Name
091108Peru142-1-3000.jpg

Metadata Status
Up to date

Description

Person Shown

Location Created
—

Location Shown
—

Name of Org Shown

Code of Org Shown

Event

Artworks or Obj...

Artwork Shown
—

Models

Additional Info

Age

Minor Age Disclos...
Unspecified

Release Status
Unspecified

Release Id

Admin

Image Supplier
—

Supplier Image ID

Image Registry Entry
—

Max Avail Height

Max Avail Width

Source Type
Unspecified

Rights

Image Creator
—

Copyright Owner
—

Licensor
—

Property

Release Id

Release Status
Unspecified

Location
Metadata

Preset
None

File Name
091108Peru142-1-3000.jpg

Copy Name

Folder
PeruCD_WebSe...

Metadata Status
Up to date

Sublocation

City
Cuzco

State / Province

Country
Peru

ISO Country Code

GPS
13°31'13" S 71°58'44" W

Altitude

Title

Caption

Date Time Original
11/8/2009 10:18...

Date Time
11/29/2009 8:38:45 ...

Date Created
2009-11-08T10:18:07

Intellectual Genre

IPTC Scene Code

Default
Metadata

Preset
None

File Name
091108Peru142-1-3000.jpg

Copy Name

Folder
PeruCD_WebSele...

Metadata Status
Up to date

Title

Caption

Copyright
Ballard Photographix 2009

Copyright Status
Copyrighted

Creator
John Ballard

Sublocation

Rating
★

Label
Red

Capture Time
10:18:07 AM

November 08, 20...

Dimensions
3000 x 1990

Cropped
3000 x 1990

Exposure
1/320 sec at f / 5.6

Focal Length
105 mm

ISO Speed Rating
ISO 100

Flash
Did not fire

Make
Canon

Model
Canon EOS 5D

Lens
EF28-135mm f/3.5-

GPS
13°31'13" S 71°58'44" W

RESOURCES

- Lightroom 4 Help
- List of shortcuts
- Lightroom 4 book for Digital Photographers by Scott Kelby
- the Adobe Photoshop Lightroom 4 Book by Martin Evening
- Photoshop User magazine
- lynda.com – unlimited tutorials for \$25/month
- Sixteen Ways to Learn LR 4 -
<http://scottkelby.com/2012/want-to-learn-lightroom-4-i-have-got-you-covered/>
- TV.ADOBE.COM
- The DAM Book by Peter Krogh –Digital Asset Management for Photographers





Adobe Photoshop Lightroom 4



Using Photoshop Lightroom 4

Install, register, set up Lightroom

- + The Lightroom workflow
- + Workspace and setup
- + Importing photos
- + Viewing photos in the catalog
- + Managing catalogs and files
- Map your photos
- + Organizing photos in the catalog
- + Developing photos
- + Exporting photos
- + Editing in other applications
- + Creating and viewing slide shows
- + Printing photos
- Creating books
- + Creating web photo galleries
- Keyboard shortcuts

Popular resources

- Support
- Getting Started and Tutorials
- Forums
- What's new in Lightroom 4

Related products

Photoshop CS5

[Legal Notices](#) | [Online Privacy Policy](#)

Content from Using Photoshop Lightroom 4.

Other versions:

- [Using Photoshop Lightroom 3](#)
- [Using Photoshop Lightroom 2](#)
- [More](#)

Keys for managing photos and catalogs

Result	Windows	Mac OS
Import photos from disk	Ctrl + Shift + I	Command + Shift + I
Open catalog	Ctrl + O	Command + Shift + O
Open Preferences	Ctrl + , (comma)	Command + , (comma)
Open Catalog Settings	Ctrl + Alt + , (comma)	Command + Option + , (comma)
Create new subfolder (segmented tethered capture)	Ctrl + Shift + T	Command + Shift + T
Hide/show tether capture bar	Ctrl + T	Command + T
Create a new folder in the Library module	Ctrl + Shift + N	Command + Shift + N
Create virtual copy (Library and Develop module only)	Ctrl + ` (apostrophe)	Command + ` (apostrophe)
Show in Explorer / Finder (Library and Develop module only)	Ctrl + R	Command + R
Go to next/previous photo in the Filmstrip	Right Arrow/Left Arrow	Right Arrow/Left Arrow
Select multiple folders or collections (in Library, Slideshow, Print, and Web modules)	Shift-click or Ctrl-click	Shift-click or Command-click
Rename photo (in Library module)	F2	F2
Delete selected photo(s)	Backspace or Delete	Delete
Remove selected photo(s) from catalog	Alt + Backspace	Option + Delete

CONTACT

- john.ballard@live.com
- 801-870-0929
- www.ballardphotographix.com
- www.utahphotographycenter.org
- www.utahperformingarts.wordpress.com

