### **Workflow Fundamentals**

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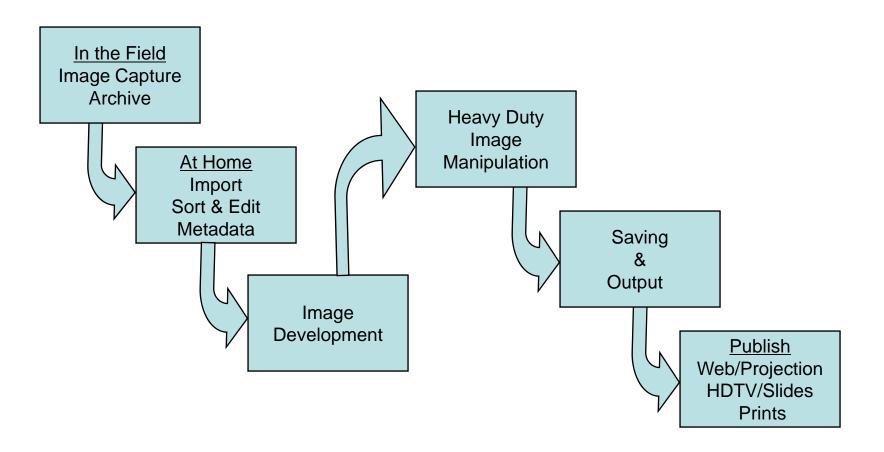
#### The Purpose of a Good Workflow

- Organize photos and identifying information so you can find the "ONE" later
- Efficient procedure for sorting and <u>dumping</u> images
- Archiving and backing up your images to prevent catastrophic loss some day
- Storing images efficiently as you process

#### My Workflow Based on the Following

- I shoot Nikon and store both JPEG and RAW in the field
- Mostly a weekend shooter
- Take 2 or 3 multi-week photographic vacations per year and shoot 1000 images/wk
- My focus is on large sized print output
- Secondary interest is large (30 to 60 minute) slide shows with music formatted for HDTV

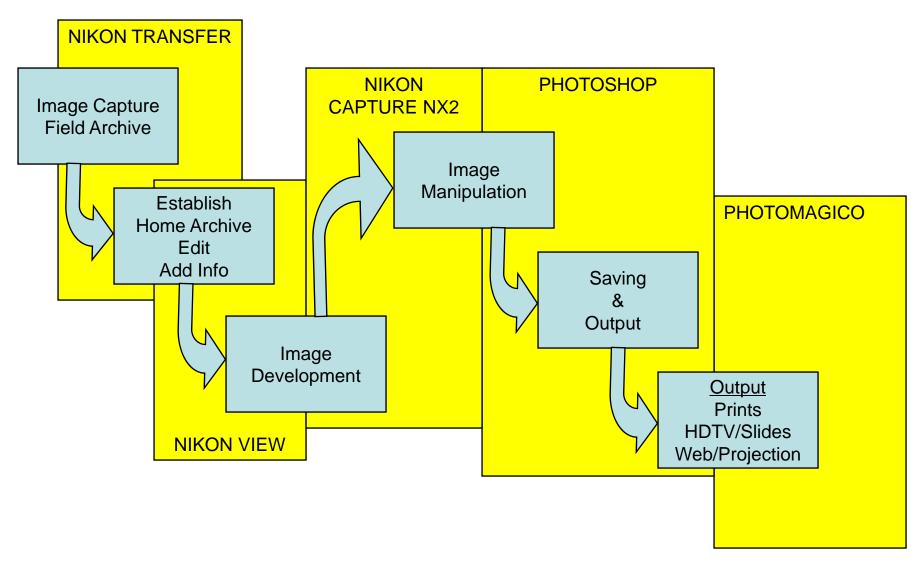
#### Generic Workflow



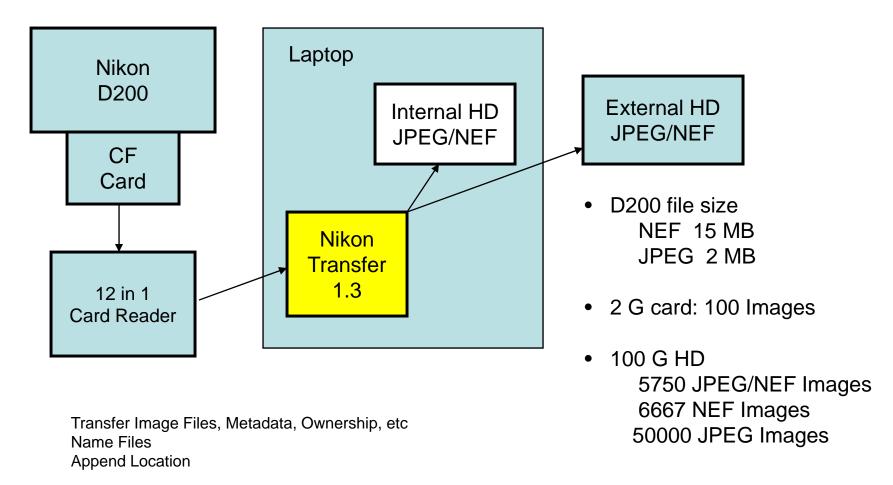
# Tool Inventory/Capability

	Nikon Transfer	Canon Zoom/ Image Browser	Breeze Browser PC Only	Picassa	Bridge	Nikon View	Nikon Capture NX2	PS w ACR	Photomechanic	Lightroom	Aperture 2	Photomagico(M) Photoshow (P)
Import	✓	<b>✓</b>	<b>√</b> PRO	<b>✓</b>	✓				1	<b>✓</b>	<b>✓</b>	
Home Archive Sort/Edit Metadata			<b>√</b>	1	<b>✓</b>	1			1	1	1	
Initial Image Development RAW		✓ CR	<b>√</b>	<b>✓</b>	Open ACR	<b>✓</b>	<b>✓</b>	<b>✓</b>		<b>✓</b>	1	
Full Image Development Image Manipulation							1	<b>✓</b>		<b>√</b> ?	<b>√</b> ?	
Saving/Output					N/	Α						
Publish			<b>✓</b>	<b>√</b> WEB			<b>✓</b>	<b>✓</b>	✓ WEB +	<b>✓</b>	<b>✓</b>	<b>✓</b>

## My Workflow Tools



#### My Workflow: In the Field

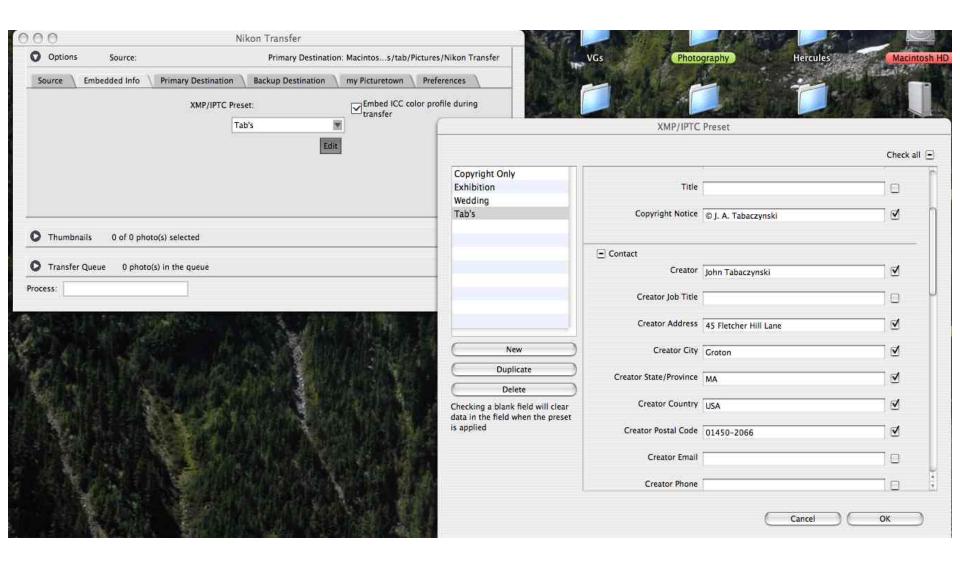


- Keep a field log w day-by-day info; location, features, flora/fauna etc.
- Each card goes to a separate folder dated YYMMDD#card using first image date
- Once Info transfer is confirmed, erase the card images and empty trash
- I store a JPEG & NEF, I am considering dropping the JPEG

#### Import Demo

- Show 12 in 1 card reader
- Indexing each image
  - + Nikon: \_DSC1234 for JPEG and DSC\_1234 for NEF (Raw)
  - + Unique ID limited to the first 9999 images
  - + DSC can be changed in the camera shooting menu
- Use a helpful file name
  - + Look at Sto-It "August Camp" files
  - + Initially: YYMMDD#C based on first image, then break down into daily files
  - + Open TRANSFER
- Show & discuss Metadata
  - + EXIF (Camera data)
  - + File properties
  - + IPTC (Copyright, Owner, "Job ID", location, etc)
- Compare to Bridge import

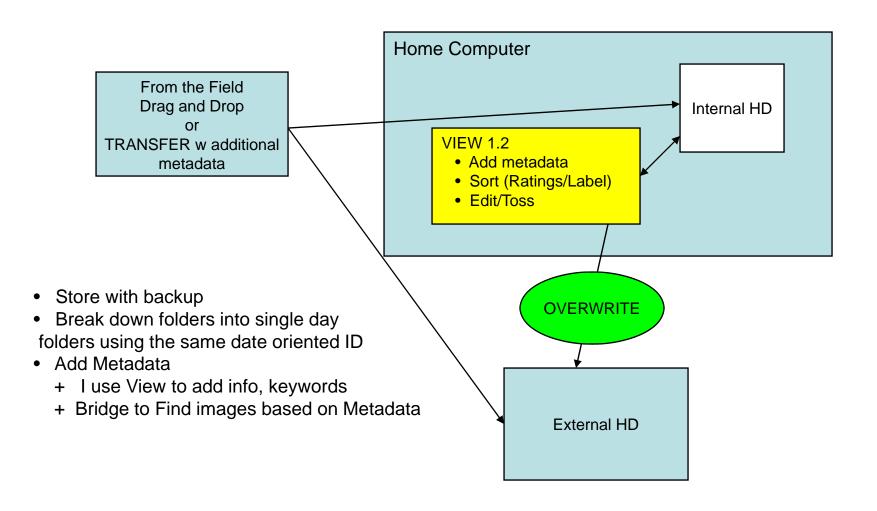
# Transfer is used to bring images off the card and append initial Metadata



#### First Steps at Home

- Add info so you can find "THE IMAGE" later
  - o Naming conventions
  - o Metadata
  - o Global file insert, subset insert
  - + Nikon Transfer, View, Photo Mechanic, Aperture, Picasa
- Sorting, editing (dump the junk)
  - + Nikon View, Bridge, Photo Mechanic, Lightroom, Picasa
- Archiving
  - + Hot storage
    - o External HDs
  - + Cold storage
    - o DVDs

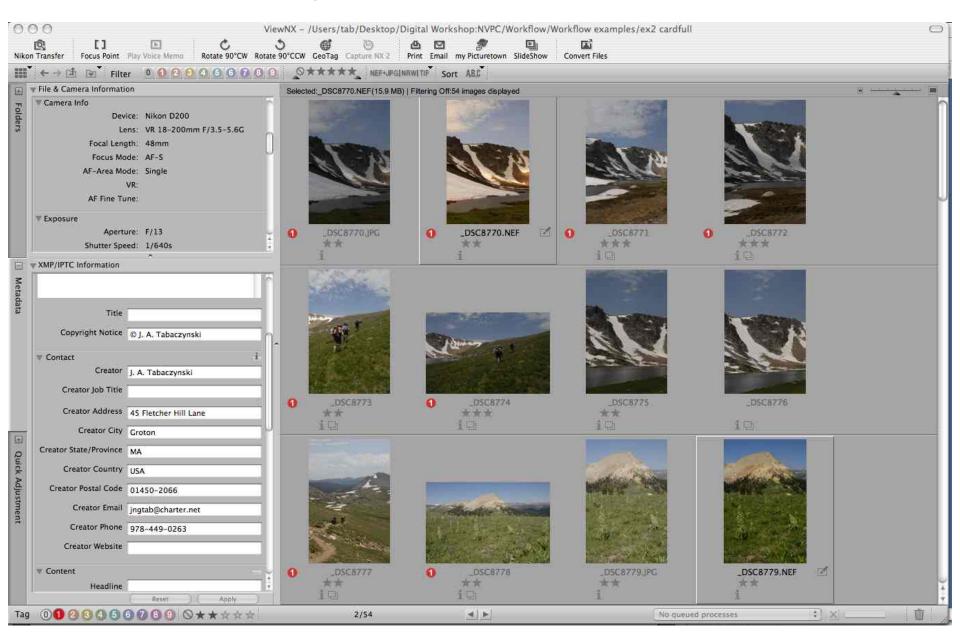
#### First Steps at Home



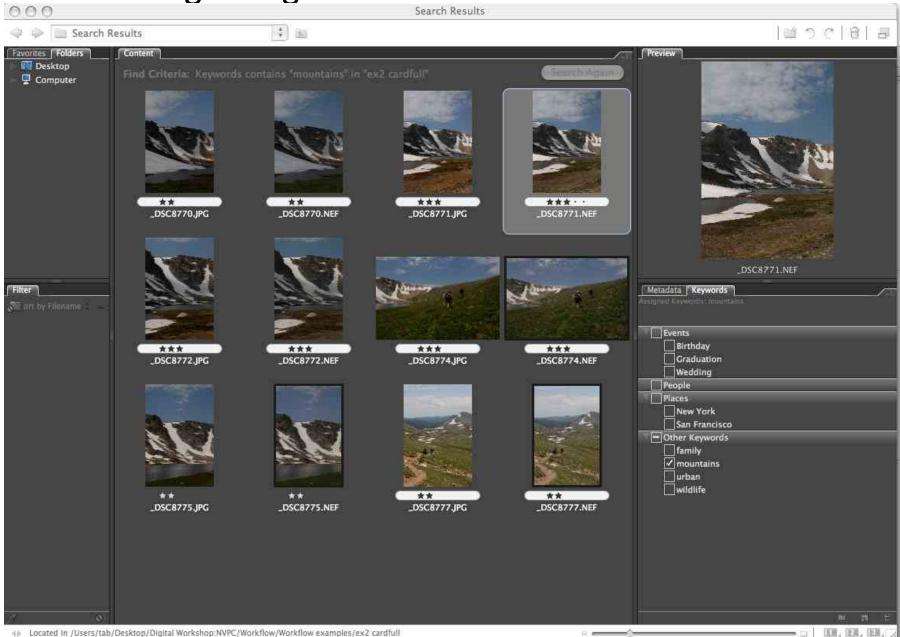
#### First Steps Demo

- Show metadata & ITPC for both Bridge and View
  - + File/Camera
  - + XMP/IPTC
- Bridge reads View metadata, View cannot read all Bridge metadata!
- Finding stuff
  - + Bridge ▶ Edit ▶ Find
  - + View out of luck, use Mac Finder
  - + High claims for PhotoMechanic
- Show ratings, label

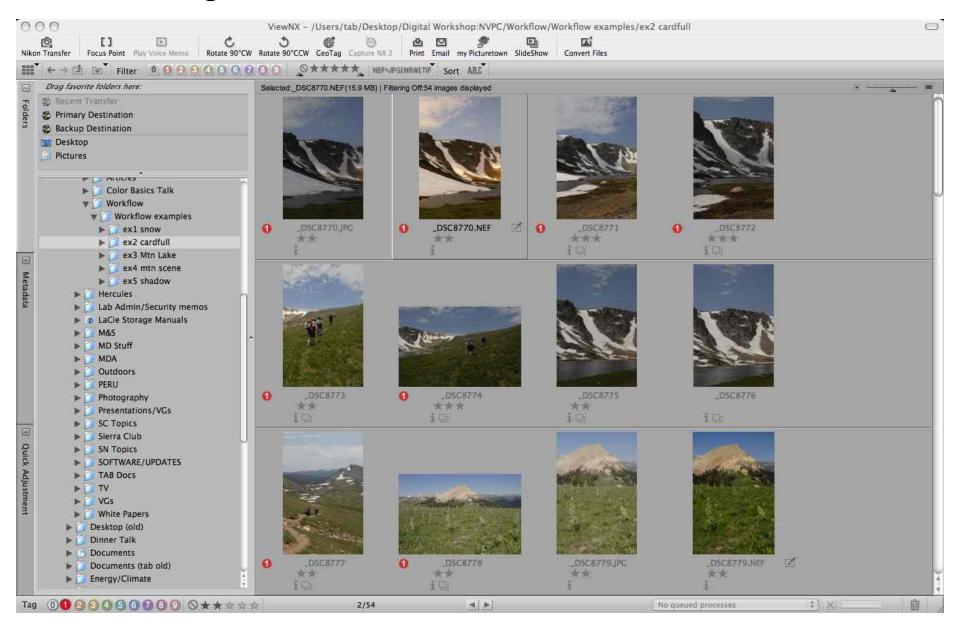
#### Using View to Insert Metadata



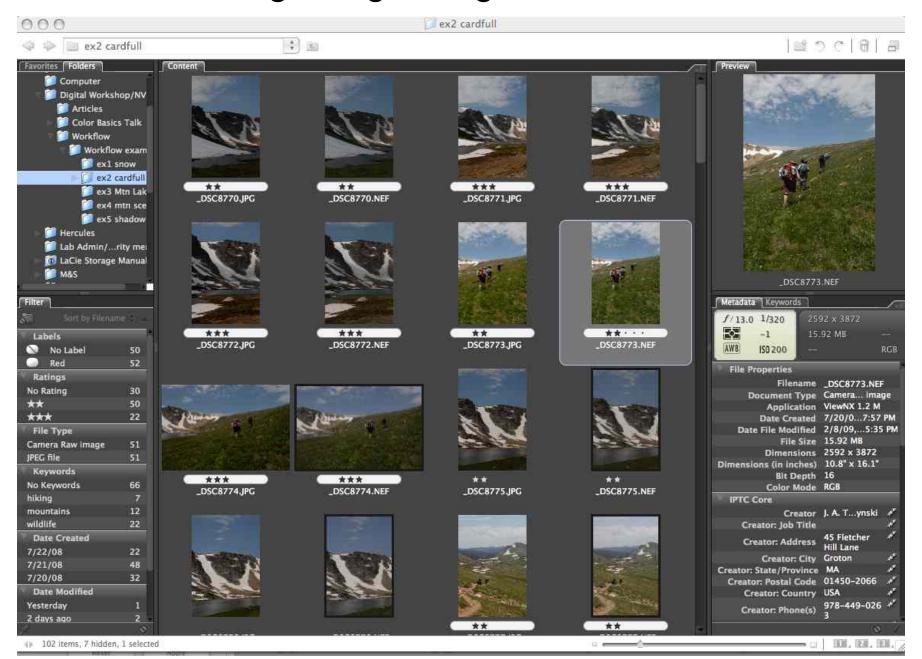
#### Using Bridge to find a slide with Metadata



#### Light table in Nikon View for Sort/Edit



#### Using Bridge in light table mode



#### My Steps

- Take each YYMMDDC# and break into individual day folders YYMMDD # identifier
- Insert missing metadata
  - + Job ID: August Camp 08, Peru 07, Kris wedding, Event blah blah
  - + Keywords: Family, friends, models, people, portrait, wildlife, flowers, mountains, seashore, scenic, urban, birds, winter, fall
  - + Subject: black bear, grizzly bear
  - + Country
  - + Location
  - + Category

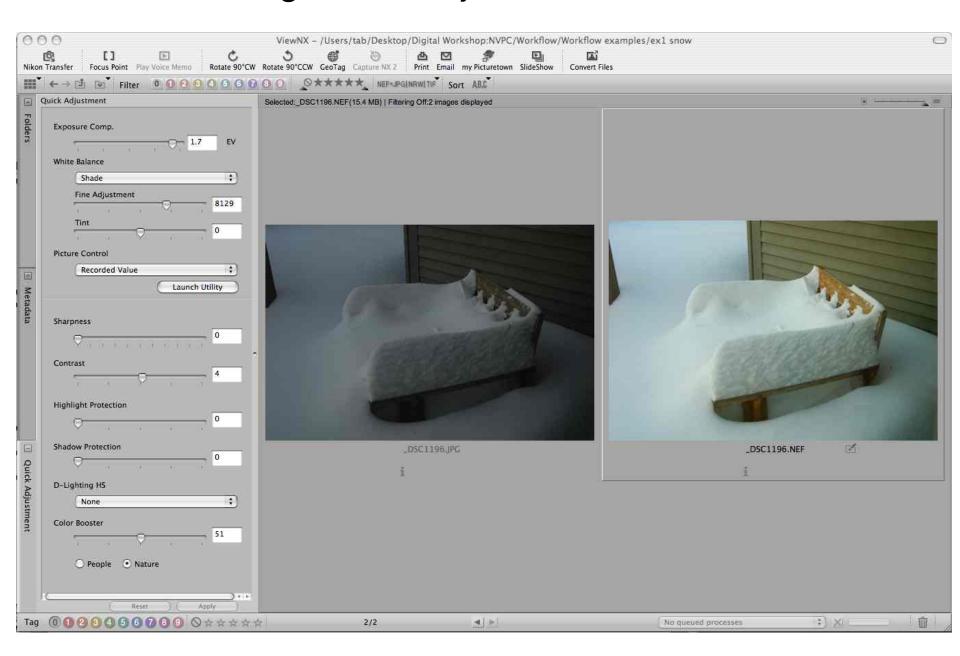
#### Initial Image Development

- During edit phase use Quick Fix feature of Nikon View
  - + Exposure correction
  - + WB
  - + Contrast/Sharpness
  - + D-lighting
  - + Color rendering
- Bridge: File Dpen in Camera Raw
- View and Bridge do NOT see each other's edits through the Raw file
  - + To get Nikon Raw edits into the Adobe world must go through a TIFF (or other) file

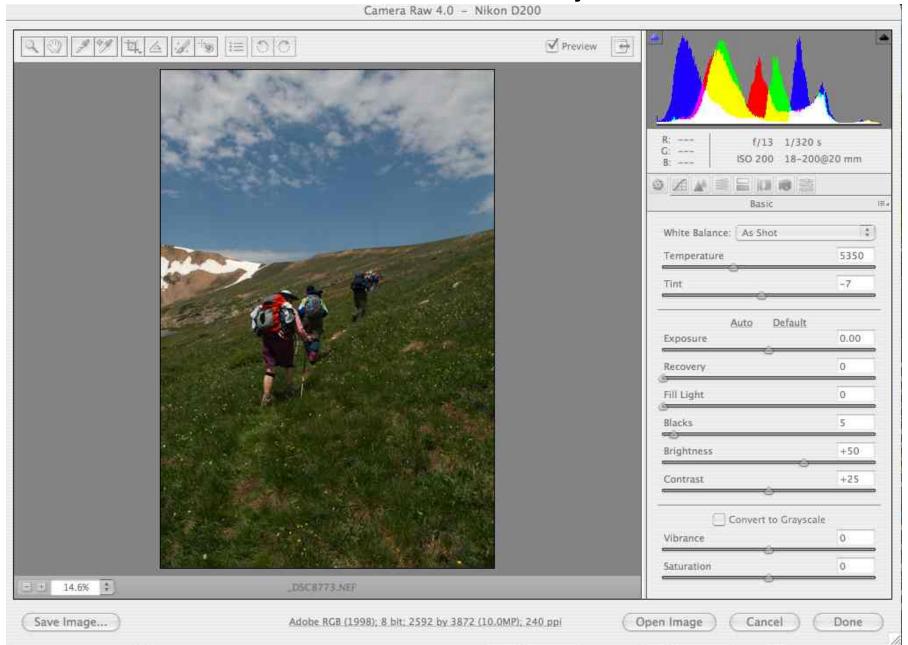
#### **DEMO: Initial Development**

- Show Quick Fix capability
  - + Snow
  - + Mtn Lake
  - + Deep Shadow
  - + Mtn Meadow
- Show Bridge Raw editing capability

### Using Quick Adjust in Nikon View



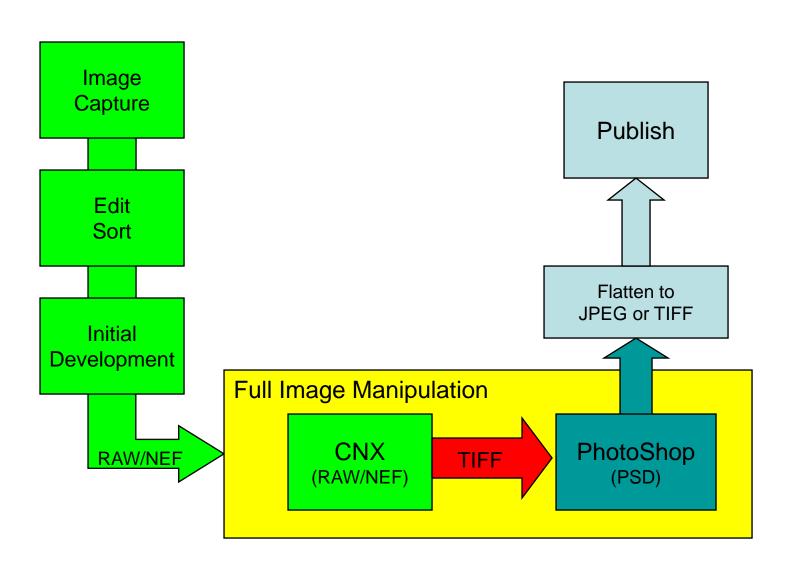
#### Adobe Camera Raw can Adjust NEF files



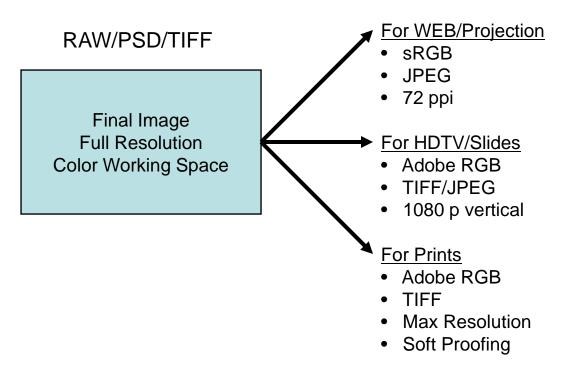
#### Image Manipulation

- Exploit the Heavy Duty Manipulators
  - + Nikon Capture NX2, Photoshop
- This stage has its own workflow
  - + Contrast enhancement via USM
  - + Color correction
  - + Get info from Jason O'Dell's book
  - + Saving the basic corrected image
- These features will be subjects of future classes

#### File Flow



#### Publishing



- Save the original & final image w color profile before final publication steps
  - + Image size
  - + Resolution
  - + Format
  - + Color Space
  - + Output Sharpening

#### References

- Jason O'Dell: http://www.luminescentphoto.com
- Luminous Landscape: http://www.luminous-landscape.com/
- http://www.imagescience.com.au/Downloads/printerTestFiles.html
- http://www.outbackphoto.com/workflow/index.html
- http://www.digitaldog.net/tips/
- Norman Koren: http://www.normankoren.com/
- Bruce Fraser
  - + <a href="http://www.creativepro.com/articles/author/127446">http://www.creativepro.com/articles/author/127446</a>
  - + Real World XXXX series of books on PS, CM, etc Search Amazon
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- Store-it Drive: pexagontech.com
- Nikon Download Center
  - + http://www.nikonusa.com/Service-And-Support/Download-Center.page