

Kodak Capture Pro Version 3.0

Technical Training and Release Notes

Agenda

Installation Notes and the Trial Edition

OS Support and Additional Scanner Support

Upgrading to Version 3.0

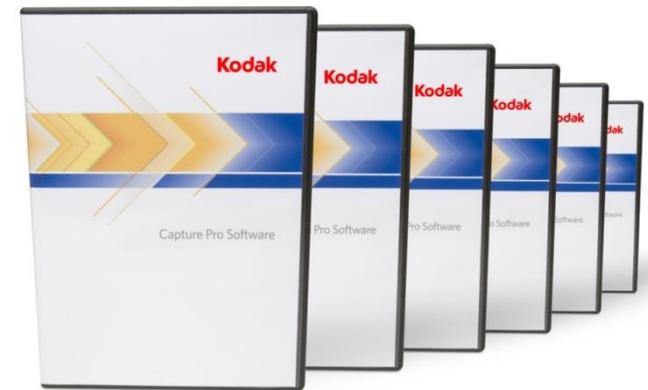
API Updates

New Features and Enhancements

- Intelligent QC
- SharePoint Index Setup Wizard
- Drop-down List Import
- Improved Bar Code Indexing Support
- Auto Import changes
- New and Improved System Outputs
- Other Miscellaneous Changes

Ongoing Bug Fixes

Known Issues



Version 3.0 Installation Notes

All new Capture Pro product manufactured starting December 27, 2010 will contain Version 3.0

Version 3.0 can also be downloaded from the Capture Pro web site at www.kodak.com/go/kcsdownloads

Capture Pro Software Version 3.0 Trial Edition

Download the free Trial Edition of Capture Pro Software v 3.0 and exercise the full functionality of the product for 30 days or 25,000 pages, whichever limit is reached first. The Trial Edition will work with any scanner supported by KODAK Capture Pro Software.

[Details >](#)

Capture Pro Software Upgrade for Version 3.0

Capture Pro Software Version 3.0 is now shipping with all new orders of Capture Pro Software. If you have an active Service and Support Contract as part of your installation of Capture Pro Software, you can upgrade to and run this release as part of your Software Assurance at **no additional charge**.

[Details >](#)

Notes:

- Note that the **Upgrade for Version 3.0** is a full version download that with a valid hardware key and license code can also be used for a brand new installation of Capture Pro Software

Version 3.0 Trial Edition

The 3.0 Trial Edition is a completely new Trial Edition release that requires a **new License Key** in order to activate it

Public Version – 30 Days/25,000 Pages (located at www.kodak.com/go/captureprotrial)

- If the Version 2.5.6 Trial Edition is already installed, then the customer must first uninstall that version before installing the 3.0 version
- Activating will provide the user a new 30 Day/25,000 Page license

Custom Trial Edition (located at www.kodak.com/go/captureprocustomtrial)

- If the Version 2.5.6 Trial Edition is already installed, then running the installer for 3.0 **will automatically upgrade their installation** to Version 3.0
- When launching for the first time after the upgrade, the user will be prompted to enter a **new User Name and License Key**
- E-mail will continue to be sent to Bruce/Chris at WW-KSB-CaptureSW@kodak.com in order to acquire a License Key
- Kodak internal personnel (and approved partners) will receive a License Key that will expire on **January 31, 2012**

The Kodak logo is displayed in its signature red, bold, sans-serif font.

Operating System Support (1)

Windows Server 2003 and 2008 are now supported

Version 3.0 has been certified on the following:

- Windows XP (32-bit) SP2 and SP3
- Windows XP (64-bit) SP2
- Windows Vista (32-bit) original and SP1
- Windows Vista (64-bit) original
- Windows 7 (32-bit)
- Windows 7 (64-bit)
- Server 2003 (32-bit) SP1
- Server 2003 (64-bit)
- Server 2008 (64-bit)

Operating System Support (2)

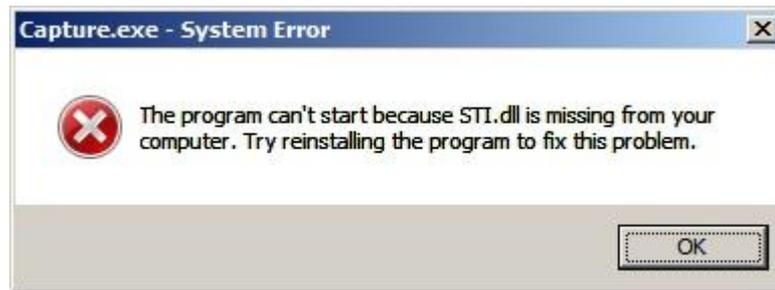
Windows Server 2008 Requirements

Scanning in Capture Pro requires the installation of Microsoft's STI (Still Imaging) driver:

STI.DLL

By default, the STI.DLL component is not installed on Server 2008

If not installed, Capture Pro will display the following message upon launch:



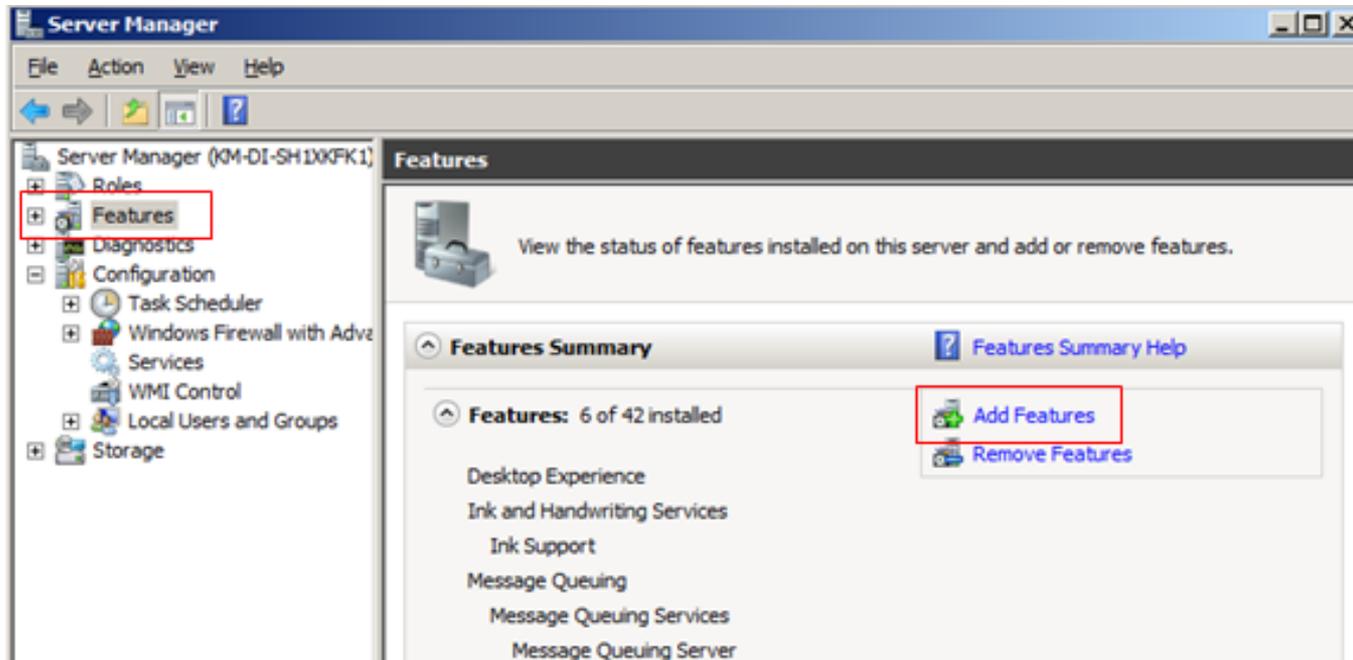
To properly configure Server 2008 for scanning, do the following:

1. Select "Start", "All Programs", "Administrative Tools"
2. Select "Server Manager"

Operating System Support (3)

Windows Server 2008 Requirements (continued)

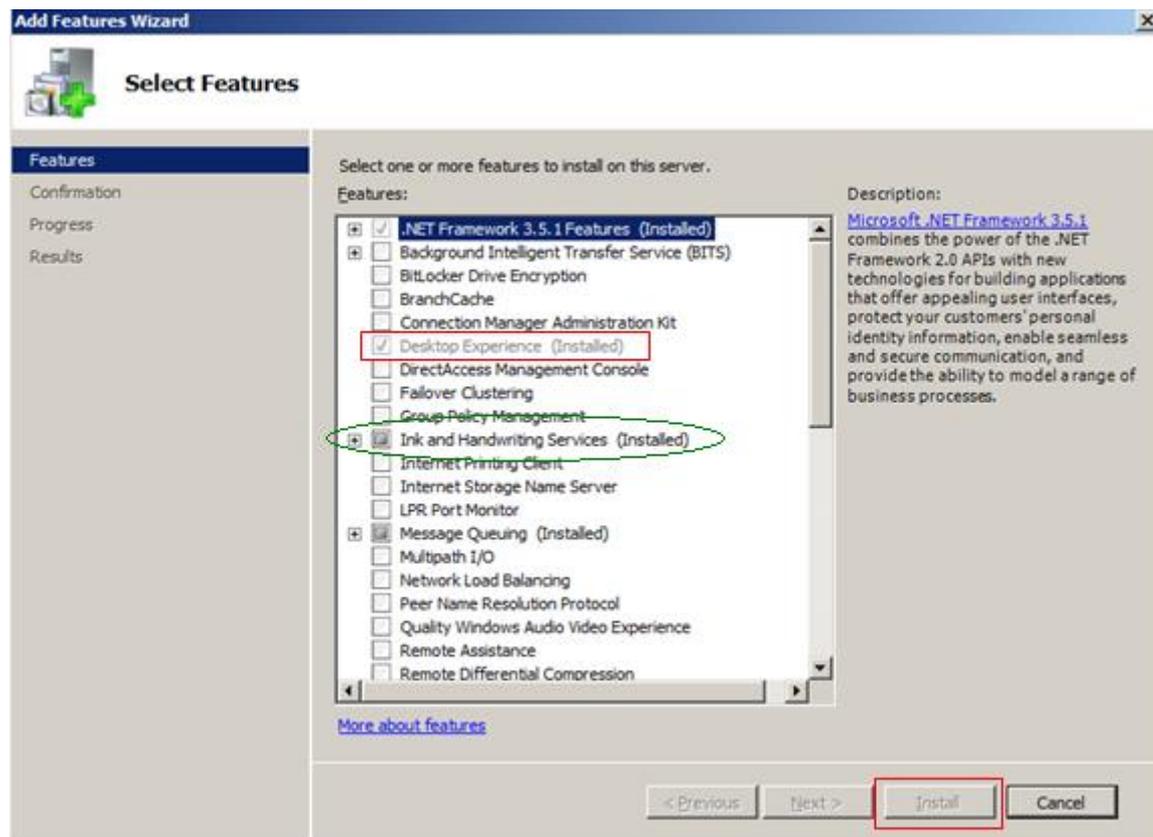
3. Select “Features” from left panel
4. Select “Add Features”



Operating System Support (4)

Windows Server 2008 Requirements (continued)

5. Select “Desktop Experience” and click “Install”
6. The “Ink Services” may also be required and will be installed automatically
7. When prompted, restart the server after installation is complete



Additional Scanner Support (1)

KODAK i2000 Series Scanners

- i2400 (Group A)
- i2600 (Group A)
- i2800 (Group B)
- Supported in both Pro (Version 3.0) and Desktop (Version 1.3)
- Configuring the OCP Button Display will not be supported until Capture Pro Version 3.1

KODAK i5000 Series Scanners

- i5200 (Group F)
- i5600 (Group G)

KODAK Picture Saver Scanners

- PS 410 (Group B) * to be changed to Group A
- PS 810 (Group B)
- Scanner->Select drop-down list will actually display “i1320 Scanner” – then the Model will show as either PS 410 or PS 810

Additional Scanner Support (2)

KODAK Branded (former BBH) Scanners

- Kodak SideKick 1400u (Group B)
- Kodak 3210 (Group D)
- Kodak 3610 (Group D)
- Kodak 9090 (Group E)
- Kodak 9125 (Group E)
- Kodak 9150 (Group F)
- Supported via both VRS and ISIS
- Not supported in Capture Desktop

Complete list of supported scanners
can be found at:

www.kodak.com/go/kcsscannersupport

3rd Party Scanner Support

Avision 320+

Group A

HP Scanjet 5590

Group A

Epson GT-20000

Group A

Panasonic KV-S055C

Group D

Fujitsu 5950

Group F

Patriot 680

Group B

Hitachi HT-4139

Group F

Xerox DocuMate 3640

Group B

Group Changes

Fujitsu 6130

from

Group B

to

Group A

Fujitsu 6230

from

Group B

to

Group A

BBH Ngenuity 9125

from

Group F

to

Group E

BBH Ngenuity 9150

from

Group G

to

Group F



Upgrading to Version 3.0

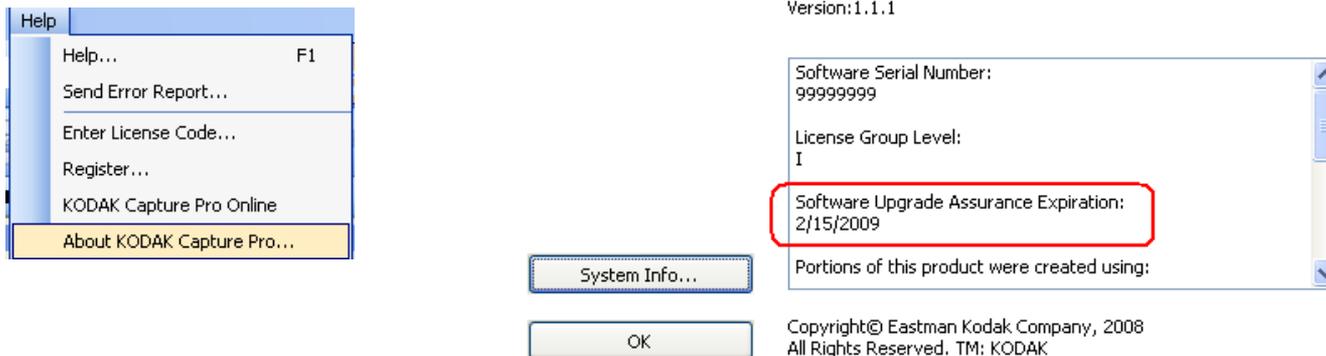
Existing customers must be entitled in order to upgrade to 3.0

- Software Upgrade Assurance Expiration date must be December 15, 2010 or later; otherwise...

“A current support agreement is required to install this software upgrade. Please contact your KODAK reseller to renew your support agreement.”

What is my Software Upgrade Assurance Expiration Date?

Date is available on the Help->About screen for Capture Pro



A reminder to renew their Software Upgrade Assurance will be displayed to the user when they start up Capture Pro within 30 days of the expiration date

API Changes in Version 3.0

There are no changes to the API interfaces for any of the public APIs

- System Output API
- Index Type API
- Index Data API
- Workflow API

The API Documentation for Version 3.0 is the same as for Version 2.5

However, there are a couple of API bug fixes included in 3.0

- Sending “**New Batch**” command via **Workflow API** was causing software to leave **Embedded Mode** (i.e., no Title or Menu bar)
- Custom **Index Type API** routines that replace an index field value were no longer working after upgrading from Version 2.0 to Version 2.5

Image Quality Control Improvements

Today, we offer/support these image processing capabilities

- Image processing *during scanning* by Kodak scanners



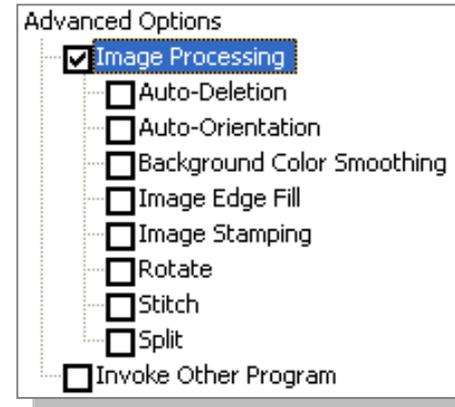
- Temporary contrast/threshold overrides for **Kodak** scanners



- Post-scan* image processing tools



- Advanced image processing on *output creation*



- Image processing *during scanning* by *3rd party* scanners / VRS

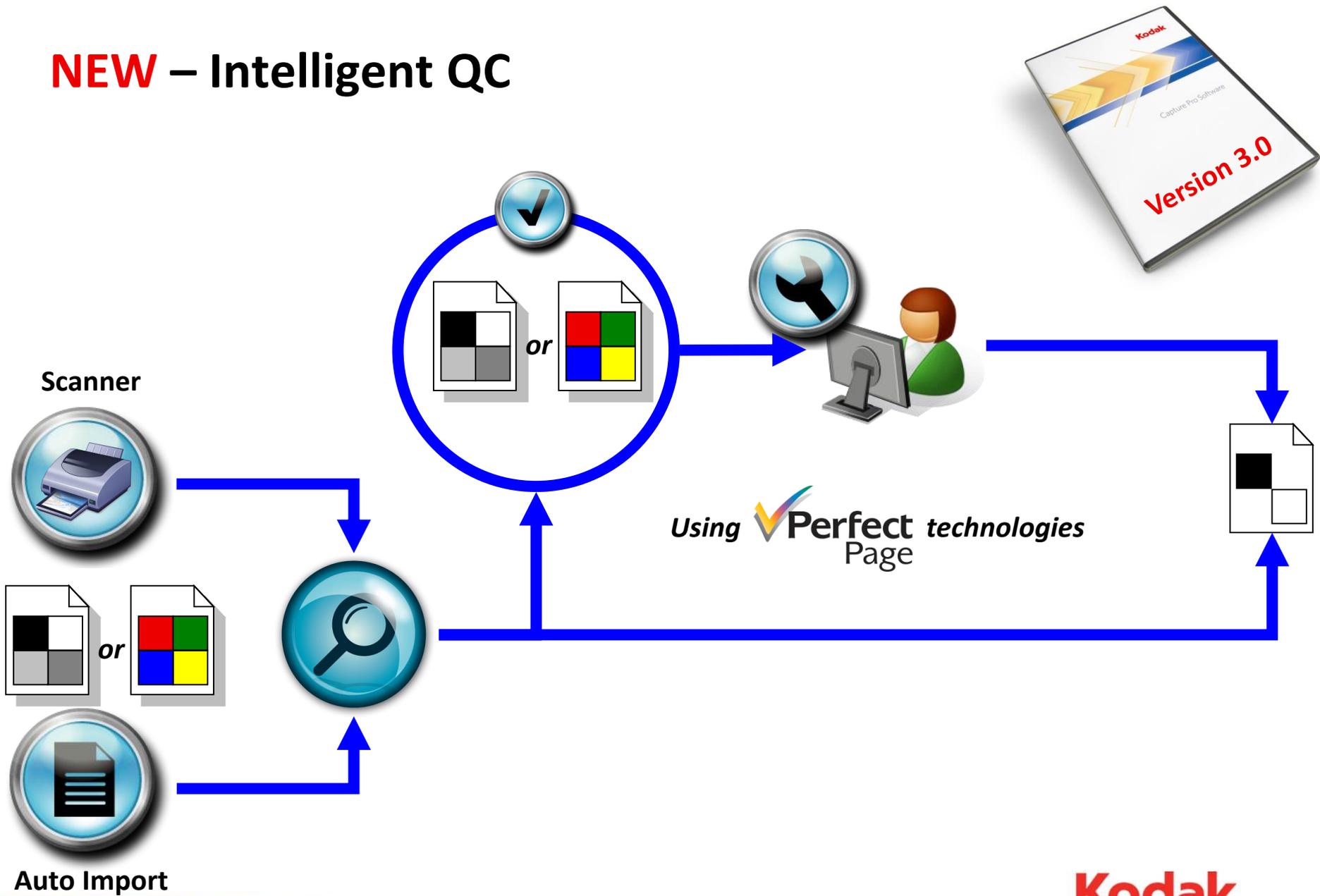
Image Quality Control – Remaining Opportunities

How can we make image processing **more productive**?

- Reduce the need to physically rescan pages
- Optimize image quality for any source (e.g. using Auto Import)
- Streamline quality control process
 - Create ability for downstream quality control



NEW – Intelligent QC





Intelligent QC – Summary

Works on-the-fly with Kodak scanners, non-Kodak scanners and Auto Import

Can be launched manually for selected and/or flagged images

Capture Pro converts original color/gray images to black & white (**Binarization**)

Includes **Hole Fill** and **Auto Orientation** for **both color/gray and black & white images**

Images that don't meet quality (noise) metrics are automatically flagged for review

Intelligent QC will display result before and after adjusting

Intelligent QC – Benefits (1)

- ✓ Reduce cost of reviewing images by intelligently selecting only questionable images
- ✓ Reduce cost of error correction by optimizing captured images for improved OCR results
- ✓ More efficient use of resources by providing the ability to perform quality control downstream from scanning
 - Provide ability to adjust image quality even when original document is not currently available
- ✓ Reduce time spent recovering information
- ✓ Provide more consistent results for a range of input sources



Using  **Perfect** technologies
Page

Kodak

Intelligent QC – Benefits (2)



Potential Sales Benefit: May give existing legacy Capture Software customers (who otherwise would not) a reason to upgrade to Capture Pro



Using  **Perfect** technologies
Page

Kodak

Intelligent QC – Other Post-Scan Scenarios



Can also be used to correct B&W images generated by the scanner during image QA

- Original scans must be done in Dual Stream
- Higher JPEG Quality of color/gray (Superior or Best) is recommended



Can also be used to generate B&W images for dual stream output purposes

- e.g., Color/Gray to DMS/ECM ; B&W to Archive Writer
- Can make any scanner (including Auto Import) a dual stream scanner



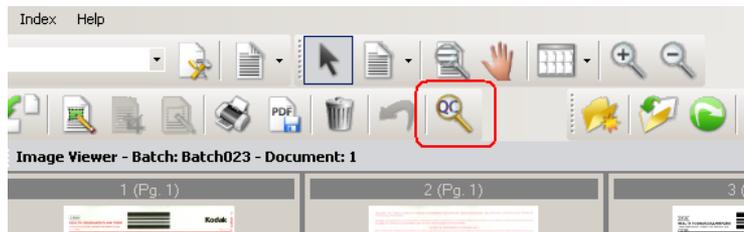
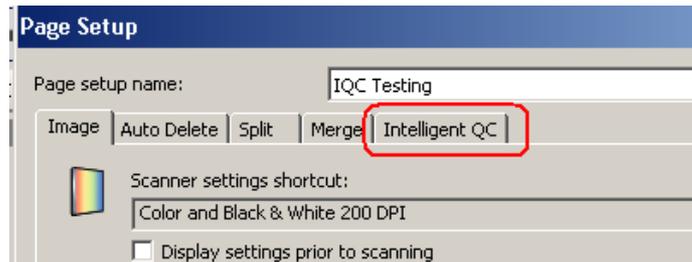
Using  **Perfect** technologies
Page

Kodak

Intelligent QC – What Is It? (1)

The ability to invoke Perfect Page image processing within Capture Pro Software

- On-the-fly during scanning
 - **New Page Setup options**
- Post scan editing
 - **New Toolbar option**



In Version 3.0, the following Perfect Page technologies have been incorporated:

- **Binarization**
 - Using the new and improved **iThresholding2 (or IT2)** algorithm
 - Requires a source **Color** or **Gray** image from the scanner
- **Hole Fill**
- **Auto Orientation (AO)**
 - Hole Fill and AO are available for both **Color/Gray** and **B&W** images

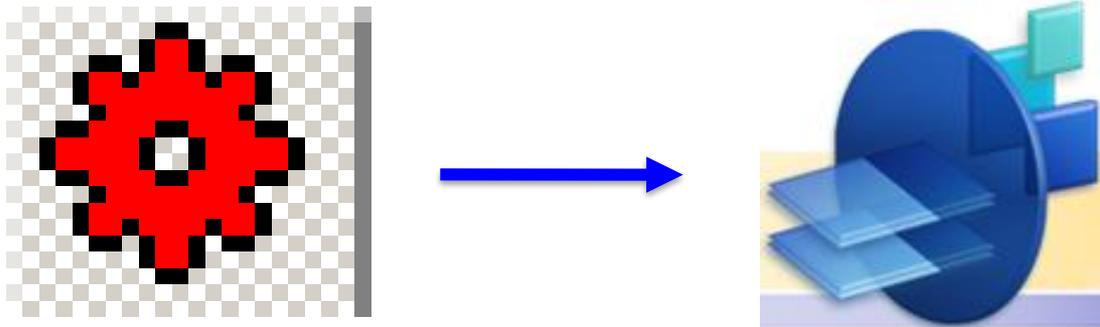
Intelligent QC – What Is It? (2)

Differences between Kodak Scanner Perfect Page image processing

- For older Kodak scanners models (e.g., i600, i1400, etc..), **Intelligent QC** brings:
 - **New image processing capabilities (Hole Fill and AO)**
 - **Improved binarization (iThresholding2)**

to Kodak Capture Platform installations

- ✓ **Another reason to renew my Software Upgrade Assurance**
- ✓ **Another reason to consider upgrading from Capture Software 6.x to Capture Pro**



Intelligent QC – What Is It? (3)

Differences between Kodak Scanner Perfect Page image processing (continued)

- For the newer Kodak scanner models (e.g., i2000, i4000, and i5000) the image processing algorithms are the same

(however, the source images are different)

- **Scanner** – source image is the raw uncompressed data from the camera
- **Capture Pro** - source image is gamma-corrected, sharpened, adjusted for Brightness/Contrast, etc.... and JPEG (or Group 4) compressed

.... with the added ability to **intelligently flag images that are detected to contain too much noise**



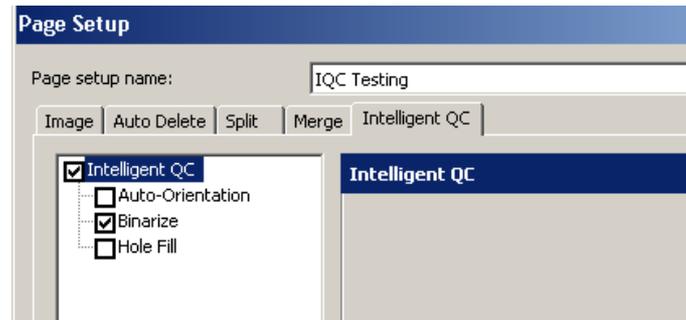
Kodak

Intelligent QC – How it Works (1)

On-the-fly During Scanning

New **Page Setup** options to perform additional image processing on images coming from any capture source

- Kodak Scanner
- 3rd Party Scanner
- Auto Import



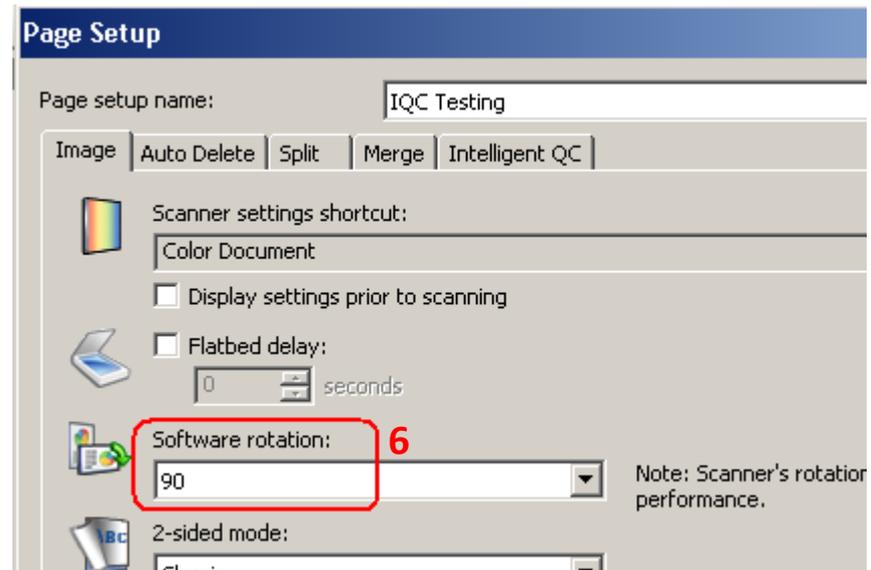
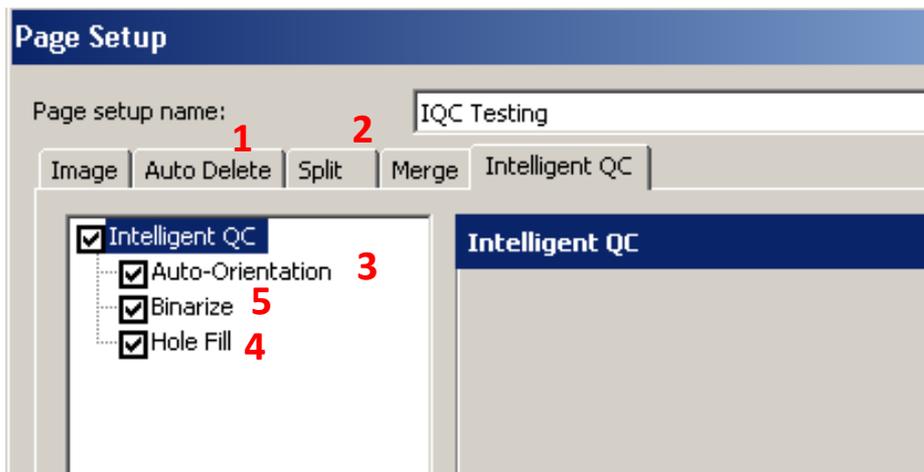
Options can be enabled separately or together

- **Binarization** requires a source **color/gray** image and will generate an associated **B&W** image
- If **Hole Fill or AO** are enabled **without Binarization**, then every source image (color/gray and B&W) will be hole-filled or auto-oriented separately
- If **Hole Fill or AO** are enabled **with Binarization**, then Hole-Fill and AO are first applied to the source color image and then that image is binarized

Intelligent QC – How it Works (2)

On-the-fly During Scanning (continued)

Order of Operation



1. Auto Delete
2. Split/Merge
3. Auto Orientation
4. Hole Fill
5. Binarization
6. Rotation

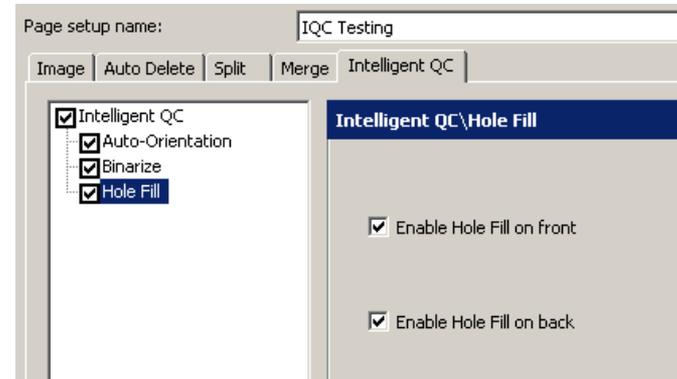
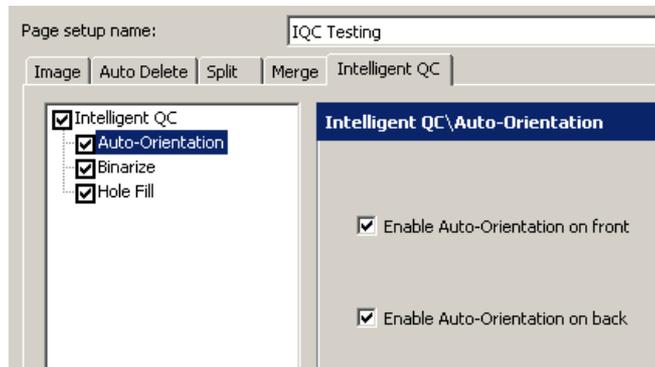
Notes:

- **Auto-Deletion** is done before any Intelligent QC processing
- **Bar Code reading and Zonal OCR** is done after everything else – if a B&W image is available, then it will be used for bar code reading
- **Software Rotation** is done after Auto Orientation – **GREAT for film-based applications where you want all images rotated either 90 or 270 to maximize film usage**

Intelligent QC – How it Works (3)

On-the-fly During Scanning (continued)

Hole Fill and Auto Orientation



Notes:

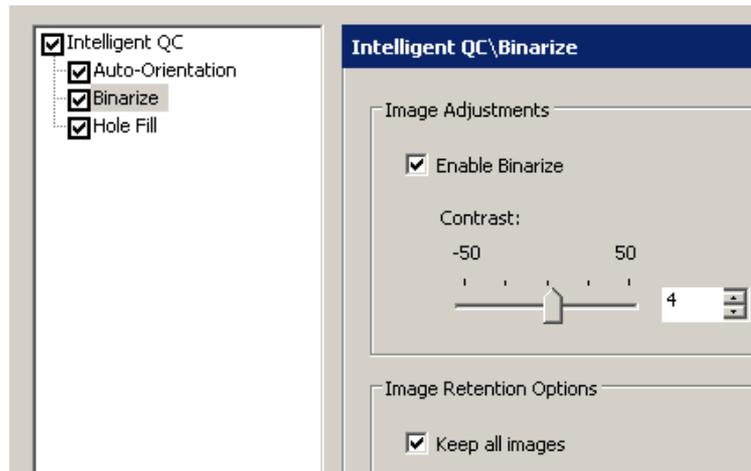
- Can be enabled separately for Front and Back images (*for Auto Import, all images will be processed as all imported images are considered Front images*)
- **Auto Orientation**
 - Includes Latin and Asian character support and Number support
- **Hole Fill**
 - Searches 1.2 inches from all 4 image edges for holes
 - Holes must be round or rectangular/square
 - Holes can not touch edge of image or black lines/boxes on image

Important: Always enable, if possible, in the scanner, especially when color scanning. Hole Fill/AO on color images will result in a decompress and recompress which could affect image quality and scanning performance.

Intelligent QC – How it Works (4)

On-the-fly During Scanning (continued)

Binarization



What About VRS?: Binarization will not be done when the selected scanner is **Kofax VRS Scanner**. This is because with VRS, dual stream output is not possible (i.e., Capture Pro will only receive a B&W image). Therefore, there will not be a color/gray image available for Intelligent QC to binarize.

Notes:

- When enabled, all images (Front and Back) will be binarized
- Requires a source **Color** or **Gray** image
 - **Uncompressed is preferred**, but if not possible (e.g., will slow down scanning) then a **JPEG Quality of Best/Superior is recommended**
- Any B&W images that are received from the capture source will be ignored
 - When **Dual Stream scanning**, the Color/Gray images will not be binarized because there already exists a B&W image for that **Page Side**
- **Contrast** setting will adjust iThresholding2 image processing (*default setting of 0 is recommended*)
 - Increase the contrast to improve readability of faint text
 - Decrease the contrast to avoid bleed through of back side content

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Intelligent QC – How it Works (5)

On-the-fly During Scanning (continued)

Binarization and Flagging

- In addition to binarizing source color images using the iT2 algorithm, **Intelligent QC will also identify those images that contain excessive noise**
 - There is no adjustment to the noise detection algorithms
 - Images that wind up being too light or faded will not be detected
 - All noisy images **will be flagged by Capture Pro** to assist the user in post-scan review and reprocessing
 - Both the **Color/Gray** and **B&W** image will be flagged

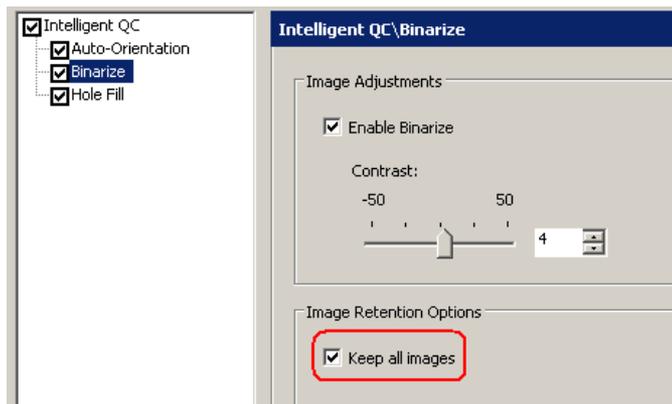


Intelligent QC – How it Works (6)

On-the-fly During Scanning (continued)

Binarization and Flagging (continued)

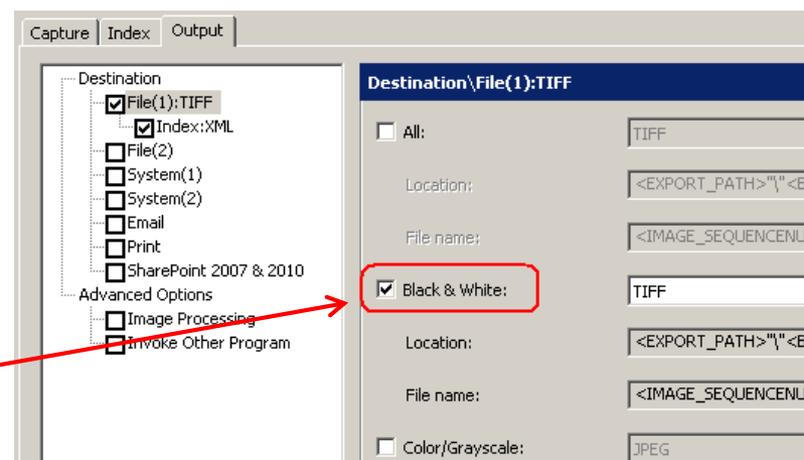
- By default, only the flagged color/gray images will remain in the batch with the B&W images
- Enable **Keep all images** to keep all source color/gray images so that any B&W image can be reprocessed, as necessary, post-scanning



Important:

Keep all images is independent of Auto-Deletion and will not recover any auto-deleted images

- If only B&W image output is desired or required, then you can configure that in the **Output tab of Job Setup**



Intelligent QC – How it Works (7)

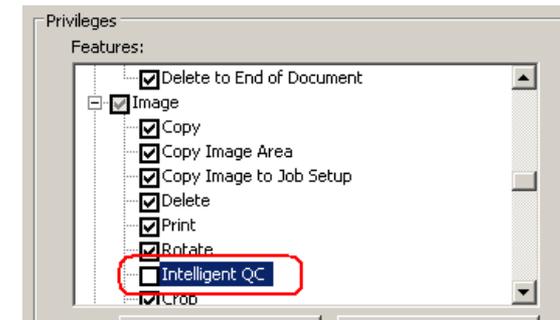
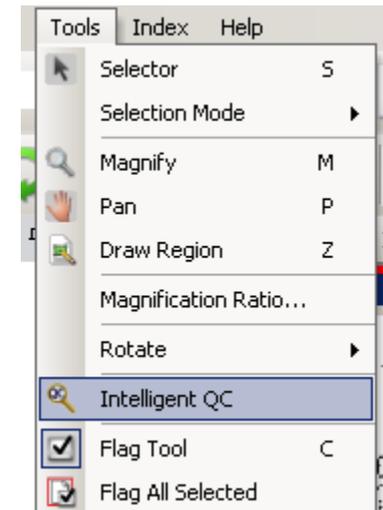
Post Scan Editing

New **Edit Toolbar Option** to allow reprocessing of captured images without rescanning



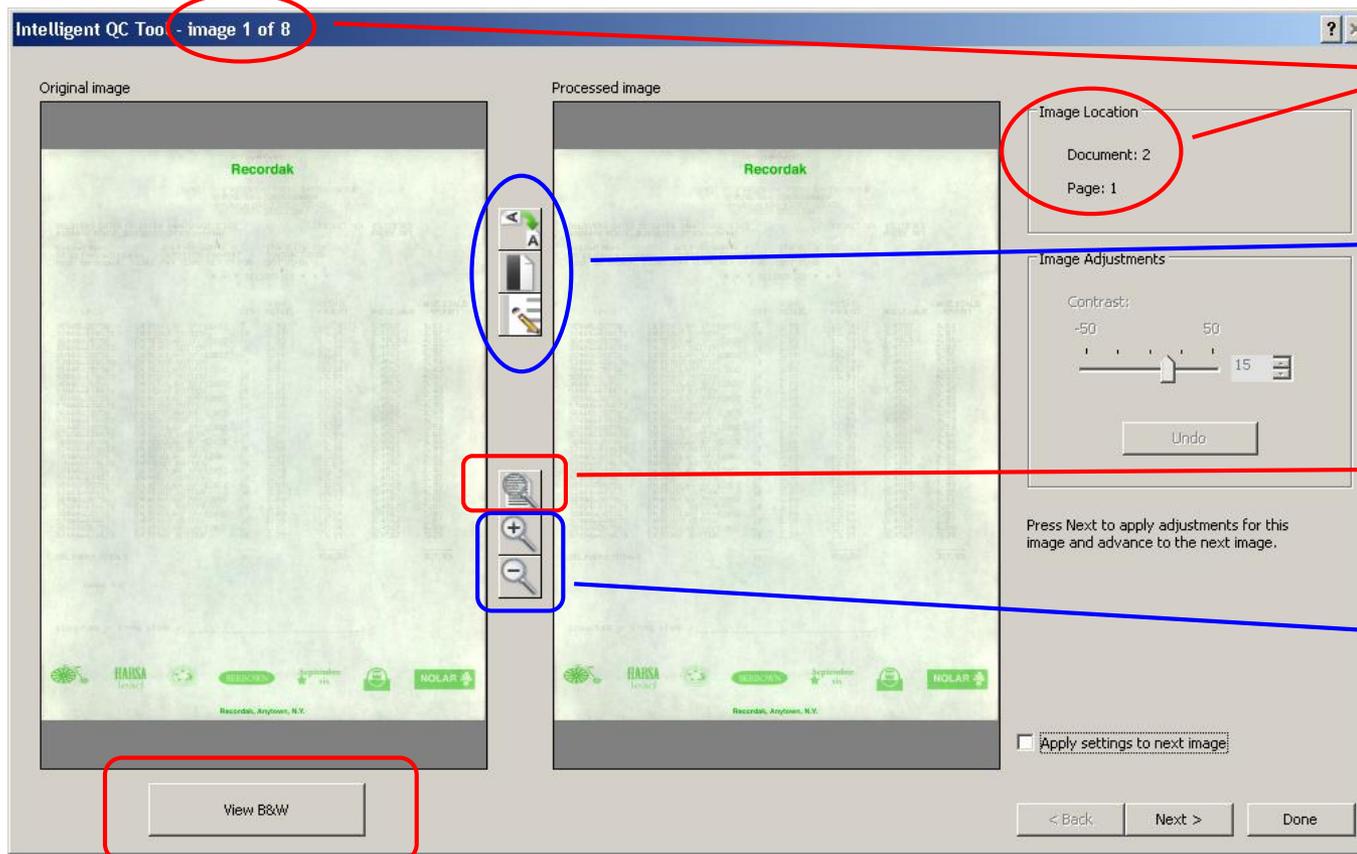
Invoking the **Intelligent QC tool** takes the user into a separate GUI from the image viewer

- Only images that have been **flagged and/or selected** will be brought into the tool
- **During scanning** (or Auto Importing), the tool is grayed out and not available
- **When upgrading to Version 3.0** from a previous release any **custom User Groups** that were created must be modified to enable the user to invoke Intelligent QC



Intelligent QC – How it Works (8)

Post Scan Editing (continued)



Progress indicators for current session

Push buttons to enable or disable **AO**, **Binarization**, and **Hole Fill** for the **current** Intelligent QC session

Magnifying Glass – same as Image Viewer

Zoom In and Out the image display of both images

+ - and **F** hot keys are also available

Toggles the image display of the original image between B&W and **Color/Gray**

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Intelligent QC – How it Works (9)

Post Scan Editing (continued)

The screenshot displays the Intelligent QC software interface. On the left, a vertical toolbar contains icons for navigation and editing. The main area shows a processed image of a document titled "Recordak". The document text includes "RECORDAK FOODS BAKING GROUP" and a list of items with prices. On the right, the "Image Adjustments" panel is visible, showing a "Contrast" slider set to -2. Below the slider is an "Undo" button. At the bottom of the panel, there is a checkbox labeled "Apply settings to next image" which is checked, and three buttons: "< Back", "Next >", and "Done".

When reprocessing B&W images, the **Contrast setting** will default to the **Contrast value of the original B&W image**

- For non-Kodak scanners, the Contrast value will **default to 0**

Processed image will immediately show results of any **image processing enablement** (i.e., Hole Fill, AO, and Binarization) and **image adjustments** (i.e., Contrast)

Apply settings to next image will automatically reprocess subsequent images using the **current settings**

- User must manually navigate through each image (i.e., page/side)

Keyboard shortcuts are available

F9 – Next image

F10 – Previous image

Intelligent QC – How it Works (10)

Post Scan Editing (continued)

The screenshot displays the Intelligent QC software interface. On the left, a vertical toolbar contains icons for navigation and editing. The main window shows a processed image of a document page titled "Recordak". The document content includes a header with "RECORDAK" and "RENT TO RECORDING GROUP", followed by a table with columns for "ITEM", "RETAIL", "WHOLESALE", and "MARKUP". The table lists various items with their respective prices. Below the table, there is a "SIGNATURE / STORE STAMP" section and several logos including "HARSH", "RECORDAK", and "NOTAR".

On the right side of the interface, there are several control panels:

- Image Location:** Document: 2, Page: 1
- Image Adjustments:** Contrast: -50 to 50, with a slider set to -2 and an "Undo" button.
- Apply settings to next image:** A checked checkbox.
- Navigation:** "< Back", "Next >", and "Done" buttons.

Note: With mixed batches, binarization reprocessing will only take place if there is a corresponding color/gray image for that page/side

Just like on-the-fly processing, AO and Hole Fill will be applied to the color/gray image **before** binarization takes place

Toggle the **AO, Binarization, and Hole File** buttons to “Undo” those operations

The **Undo** button will return the Contrast setting to the default for that image

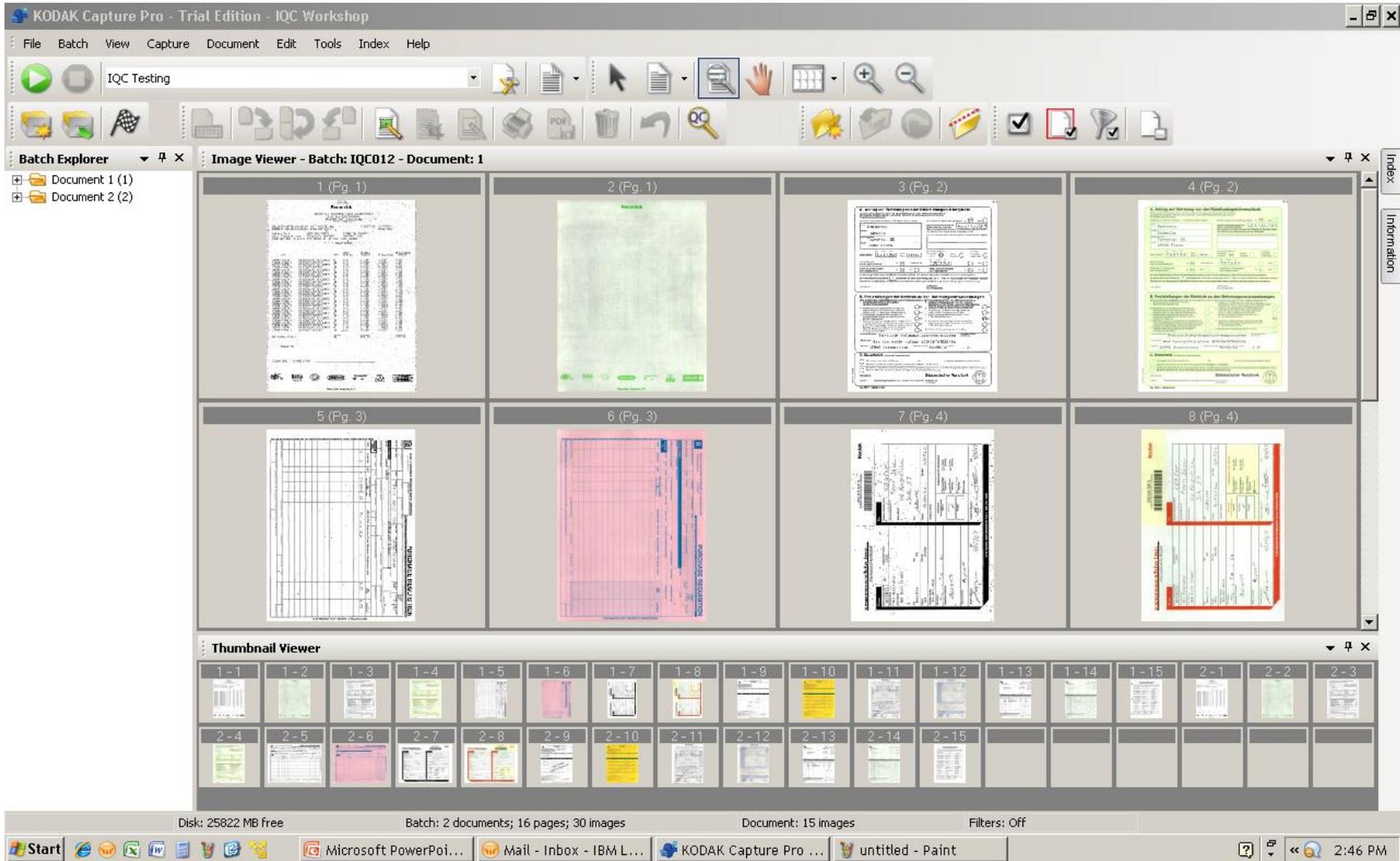
Press the **Done** key to complete the current session of Intelligent QC post scan editing

Any **Selected** images will remain selected after exiting the tool

Any **Flagged** images that were reviewed and navigated through will be unflagged upon exiting the tool

Any **Flagged** images that were not reviewed will remain flagged – **This allows an operator to resume Intelligent QC processing where they left off!**

Intelligent QC – Demonstration



SharePoint Connectivity Improvements - Benefits

- ✔ Save time and effort required to map SharePoint library definitions to Job Setup in Capture Pro
 - **SharePoint Index Setup Wizard**
- ✔ Enable customers to leverage their investment in SharePoint more easily and efficiently
 - **Support more capabilities of SharePoint 2007 & 2010**
- ✔ Reduce amount of time spent searching for information by ensuring data integrity when outputting batches to SharePoint
 - **Leverage metadata configuration already established in the SharePoint site**

SharePoint Index Setup Wizard – Overview (1)

Import Index Configuration From SharePoint

- Removes the need to manually create corresponding index fields in Capture Pro
- Removes the need to manually perform the Index Field Mapping between Capture Pro and your SharePoint system

Automatically (and Intelligently) configure Capture Pro index fields based on column configuration in SharePoint

- **Syntax rules** (e.g., text, numbers, currency)
- **Default values**
- **Required fields**
- **Min and Max length**
- **Range of values** (e.g., value must be between 1 and 100)

You can specify a minimum and maximum allowed value:

Min: Max:

SharePoint

Input format:

Capture Pro

SharePoint Index Setup Wizard – Overview (2)

Support more SharePoint column types

- **Boolean** columns
 - Automatically creates a **Drop-down list** index field

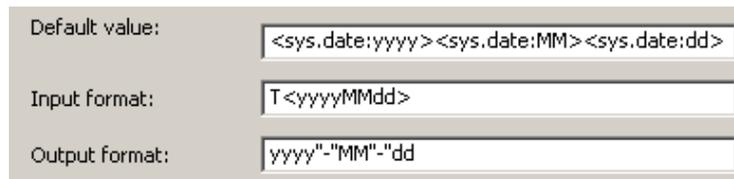


Type:



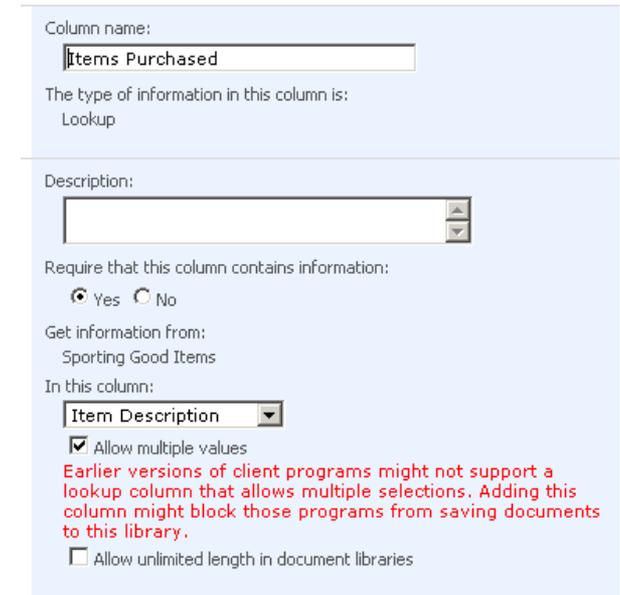
List:

- **Date/Time** columns
 - Automatically configures the **Output format** to match what SharePoint is expecting



Default value:
Input format:
Output format:

- **Choice** columns
 - Automatically creates a **Drop-down list** index field with values from SharePoint
- **Lookup** columns
 - Including **multiple value** columns!



Column name:
The type of information in this column is:
Lookup

Description:

Require that this column contains information:
 Yes No

Get information from:
Sporting Good Items

In this column:

 Allow multiple values
Earlier versions of client programs might not support a lookup column that allows multiple selections. Adding this column might block those programs from saving documents to this library.
 Allow unlimited length in document libraries

SharePoint Index Setup Wizard – Overview (3)

Support more SharePoint site settings

- Major/Minor versions

Create a version each time you edit a file in this document library?

- No versioning
- Create major versions
Example: 1, 2, 3, 4
- Create major and minor (draft) versions
Example: 1.0, 1.1, 1.2, 2.0

Optionally limit the number of versions to retain:

- Keep the following number of major versions:

- Keep drafts for the following number of major versions:

- Check-in options

Check In after uploading

0.1 Minor version(draft)

1.0 Major version(publish)

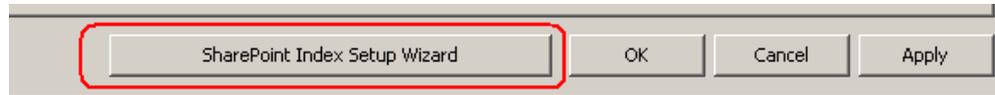
Check In Comments:

Intelligent Support: Capture Pro won't let you enable "Check-in" (or the Major/Minor sub-options) if the site isn't configured for it!

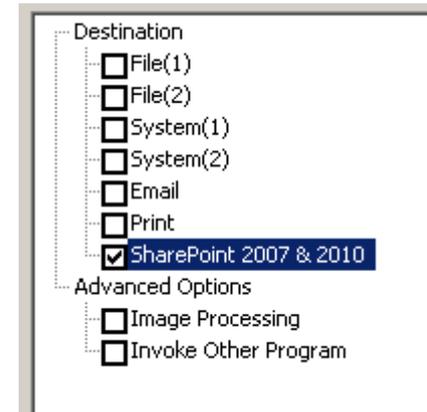
SharePoint Index Setup Wizard – Overview (4)

How do I access the SharePoint Setup Wizard?

- A **button** exists on all Job Setup screens

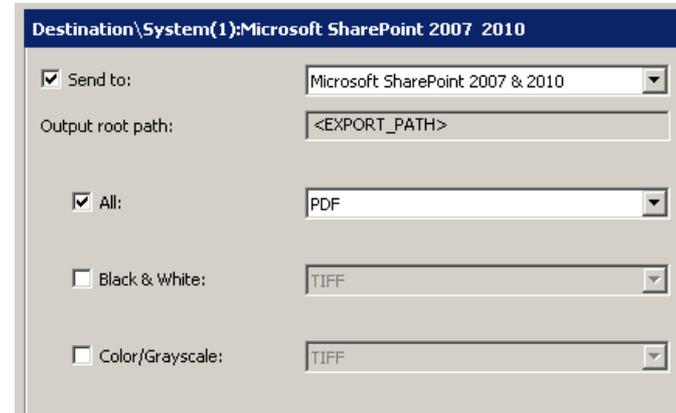


- When finished with the wizard, a new **Output tab** option will indicate that **Output has been configured for SharePoint**



What about my existing Job Setup using the SharePoint System Output Format?

- Existing Job Setups will be unaffected and will continue to work
- The SharePoint SOD is **still supported and available** in the release
- However, **none** of the new capabilities that are included in the SharePoint Wizard (**e.g., multiple values, Major/Minor versions**) are supported



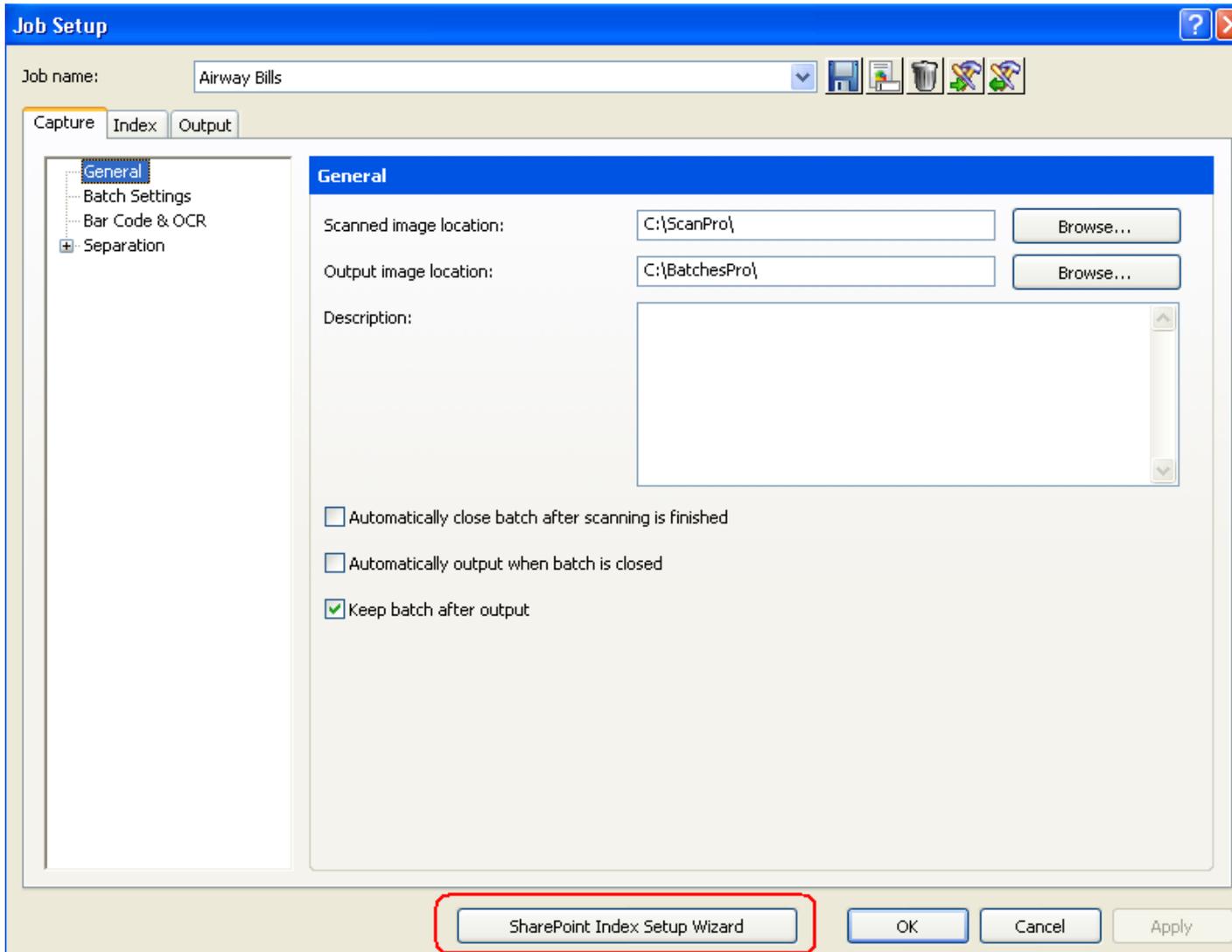
SharePoint Index Setup Wizard – An Example (1)

A Sample Content Type (also known as List Type or Library) in SharePoint

Express Ship Waybills

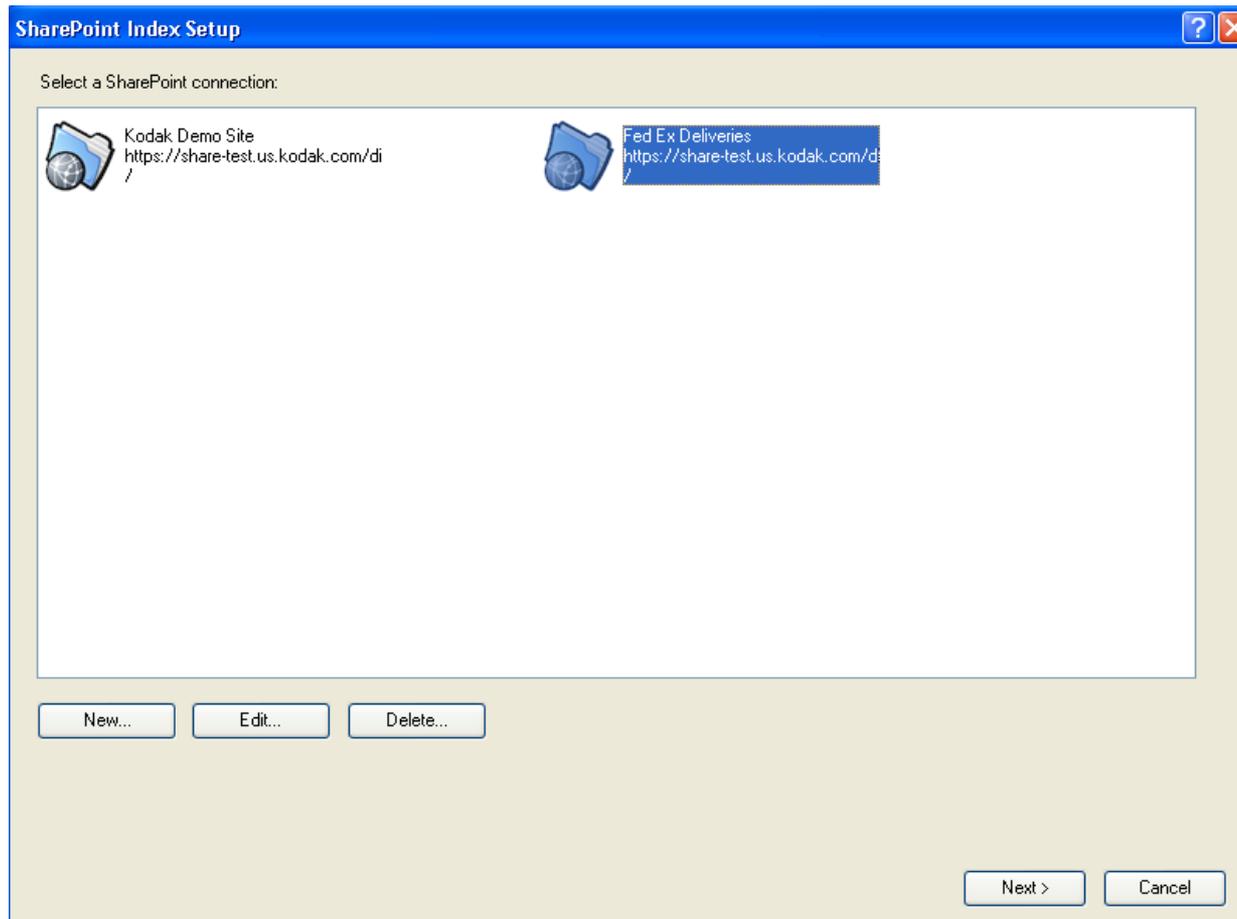
New Upload Actions Settings											View: Shipments	
Name	Type	Ship Date	Sender Name	Account Number	Sender Address	City	State	Zip Code	Edit	Delivered?	Delivery Date	
0596485960		4/15/2007	KJJ Associates	647593721	666 Sixth Street	Whoville	PA	45698		Yes	4/17/2007	
1234568971		9/21/2003	Stevens Architects	125498651	888 Eighth Ave.	Anywhere	IL	2546		No		
1258996311		3/6/2005	Quick Prints	659848522	777 Seventh Ave.	Fauxtown	OH	85649		Yes	3/7/2005	
1597564821		7/25/2006	Office Products Center	852159654	222 Second Ave.	Sometown	CA	85698		Yes	7/27/2006	
2586159752		1/26/2006	Car Parts Inc.	25896324	555 Fifth Street	Brakeville	RI	85496		Yes	1/28/2006	
4569512584		4/18/2006	Marketing Solutions	956832659	1010 Tenth Street	Outhere	AZ	12586		No		
5643269878		6/15/2005	Holdings Inc.	263547890	123 First Street	Center City	MD	12345		Yes	6/16/2005	
5824965785		12/16/2006	Computers Unlimited	256987456	333 Third Street	Bigtop	FL	26549		No		
8529648528		10/25/2004	International Food Corp.	456382911	444 Fourth Ave.	Carrot	NC	29487		Yes	10/27/2004	
9874561239		11/28/2006	Smith Corporation	456456159	999 Ninth Ave.	Somewhere	MN	85478		Yes	12/1/2006	

SharePoint Index Setup Wizard – An Example (2)



SharePoint Index Setup Wizard – An Example (3)

Select a SharePoint Site (or Connection)



Notes:

- Either select an existing **SharePoint connection** or create a new one
- Connections are stored **system-wide** and therefore are available to any Job Setup

SharePoint Index Setup Wizard – An Example (4)

Editing/Defining a SharePoint Connection

SharePoint Connection name:
Fed Ex Deliveries

Use Windows login and password
 Use SharePoint account

User Login:
[Empty text box]

Password:
[Empty text box]

Host Name:
https://share-test.us.kodak.com/di

Site Name:
/ [Browse...]

[Test Connection]

[OK] [Cancel]

Here's where you specify:

- **URL** for the SharePoint site
- **User Credentials** for the SharePoint site
- **Site Name** (if available)

SharePoint Index Setup Wizard – An Example (5)

Choosing your SharePoint List (or Library or Content Type)

SharePoint Index Setup

SharePoint List: Documents for Review Show Document Libraries only

Document Type: Documents for Review
Express Ship Waybills
Information

SharePoint Column	Default Value	Create index	Status
Name		<input checked="" type="checkbox"/>	
Title	Text	<input checked="" type="checkbox"/>	

SharePoint Column: KCP 2.0 SP BOF vs SP data types
Medical Records
Patient Records
Project Documents

?<0>

Status Message

SharePoint Index Setup Wizard – An Example (6a)

Creating Index Fields from SharePoint Columns

SharePoint Index Setup

SharePoint List: Show Document Libraries only

Document Type:

SharePoint Column	Column Type	Required	Input Format	Default Value	Create index	Status
Sender Name	Text	<input type="checkbox"/>	?<0>		<input checked="" type="checkbox"/>	
Account Number	Text	<input checked="" type="checkbox"/>	?<0>		<input checked="" type="checkbox"/>	
Sender Address	Text	<input type="checkbox"/>	?<0>		<input checked="" type="checkbox"/>	
City	Text	<input type="checkbox"/>	?<0>		<input checked="" type="checkbox"/>	
State	Choice	<input checked="" type="checkbox"/>	?<0>		<input checked="" type="checkbox"/>	
Zip Code	Text	<input checked="" type="checkbox"/>	?<0>		<input checked="" type="checkbox"/>	
Delivered?	Boolean	<input type="checkbox"/>	?<0>	"1"	<input checked="" type="checkbox"/>	
Delivery Date	DateTime	<input type="checkbox"/>	T<yyyyMMdd>	Date (MMddyy)	<input checked="" type="checkbox"/>	

Status Message

SharePoint Index Setup Wizard – An Example (6b)

Creating Index Fields from SharePoint Columns (continued)

SharePoint Column	Column Type	Required	Input Format	Default Value	Create index
Name	File	<input checked="" type="checkbox"/>	?<0>		<input checked="" type="checkbox"/>
Title	Text	<input type="checkbox"/>	?<0>		<input checked="" type="checkbox"/>
Waybill #	Text	<input checked="" type="checkbox"/>	?<10>		<input checked="" type="checkbox"/>
Ship Date	Text	<input type="checkbox"/>	?<255>		<input checked="" type="checkbox"/>
Sender Name	Text	<input type="checkbox"/>	?<255>		<input checked="" type="checkbox"/>
Account Number	Text	<input checked="" type="checkbox"/>	?<9>		<input checked="" type="checkbox"/>
Sender Address	Text	<input type="checkbox"/>	?<255>		<input checked="" type="checkbox"/>
City	Text	<input type="checkbox"/>	?<255>		<input checked="" type="checkbox"/>
State	Choice	<input checked="" type="checkbox"/>	?<0>		<input checked="" type="checkbox"/>

<input type="button" value="Edit"/>	<ul style="list-style-type: none"> Date (dd) Date (MM) Date (yy) Date (yyyy) Date (ddMMyy) Date (MMddyy) Julian Date (yyDDD) Time (am/pm) Time (AM/PM) Time12 (hhmmss) Time24 (HHmmss) Station ID Station name Job name User name Batch process path Workgroup path Page setup Import File Name Batch name Document ID Document ID(O..) Document type Barcode:Waybill Number Last value
-------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Notes:

- Settings that are not automatically configured from SharePoint (e.g., **Default Value from bar code or OCR zones**) can either be:
 - Edited in-line as part of the **Wizard**
 - OR
 - Modified later in the **Index tab** of Job Setup
- Pressing the **Edit** button takes you to a GUI identical to **Index Field setup**

SharePoint Index Setup Wizard – An Example (6c)

Creating Index Fields from SharePoint Columns (continued)

Delivery Date	DateTime	<input type="checkbox"/>	T<yyyyMMdd>	<sys.date:yyyy><sys.da...>	<input checked="" type="checkbox"/>	
ShipTo	Lookup	<input type="checkbox"/>	?<0>		<input type="checkbox"/>	

Edit

Status Message
This selected SharePoint Column is of type Lookup. An index field of this type can not automatically be configured.

Note:

- Index fields created from SharePoint **Lookup columns** must be manually configured
- A Lookup column index field should be configured as a **Drop-down list index type**
- The Drop-down list contents should **be imported from SharePoint**

❖ *Refer to Slide 54 later in this presentation on how to do this*

SharePoint Index Setup Wizard – An Example (7)

Index Field Mapping

The screenshot shows the 'SharePoint Index Setup' window. It has two main sections: 'Required Columns' and 'Optional Columns'. Each section contains a table with columns for the field name and its corresponding index field name. A red circle highlights a small '...' button in the right margin of the 'Required Columns' table, with a red arrow pointing from it towards the 'Notes' section.

Required Columns	
Name	<DOC_IDX: Name>
Waybill #	<DOC_IDX: Waybill #>
Account Number	<DOC_IDX: Account Number>
State	<DOC_IDX: State>
Zip Code	<DOC_IDX: Zip Code>

Optional Columns	
Title	<DOC_IDX: Title>
Ship Date	<DOC_IDX: Ship Date>
Sender Name	<DOC_IDX: Sender Name>
Sender Address	<DOC_IDX: Sender Address>
City	<DOC_IDX: City>
Delivered?	<DOC_IDX: Delivered?>
Delivery Date	<DOC_IDX: Delivery Date>
ShipTo	<DOC_IDX: ShipTo>

Account Number

Notes:

- Click in the **Capture Pro index field entry box** to modify the default mapping
- You can even **substring or concatenate multiple index fields** to a single SharePoint column

The screenshot shows the 'Account Number Column Value Setup' dialog box. It has a list of available fields on the left and a 'Column value formula' text box on the right. The formula currently contains '<DOC_IDX: Account Number>'. There are buttons for 'Add Item', 'Delete Item', 'Delete Formula', and 'Browse...'.

Select from this list to build the Account Number value:

- Station name
- Station ID
- User name
- Job name
- Batch name
- Date (DD)
- Date (DDMMYY)
- Date (MM)
- Date (MMDDYY)
- Date (YY)
- Date (YYYY)
- Julian Date (YDDD)
- Time (AM/PM)
- Time (am/pm)
- Time 12 (H:mm:ss)
- Time 24 (H:mm:ss)
- Document Sequence Number
- Page Sequence Number
- Image Sequence Number(batch)
- Image Sequence Number(document)
- DOC_IDX: Invoice #
- DOC_IDX: Vendor Name
- DOC_IDX: Vendor ID

Column value formula: <DOC_IDX: Account Number>

Add Item Delete Item Delete Formula

Browse...

SharePoint Index Setup Wizard – An Example (8)

Completing the Setup

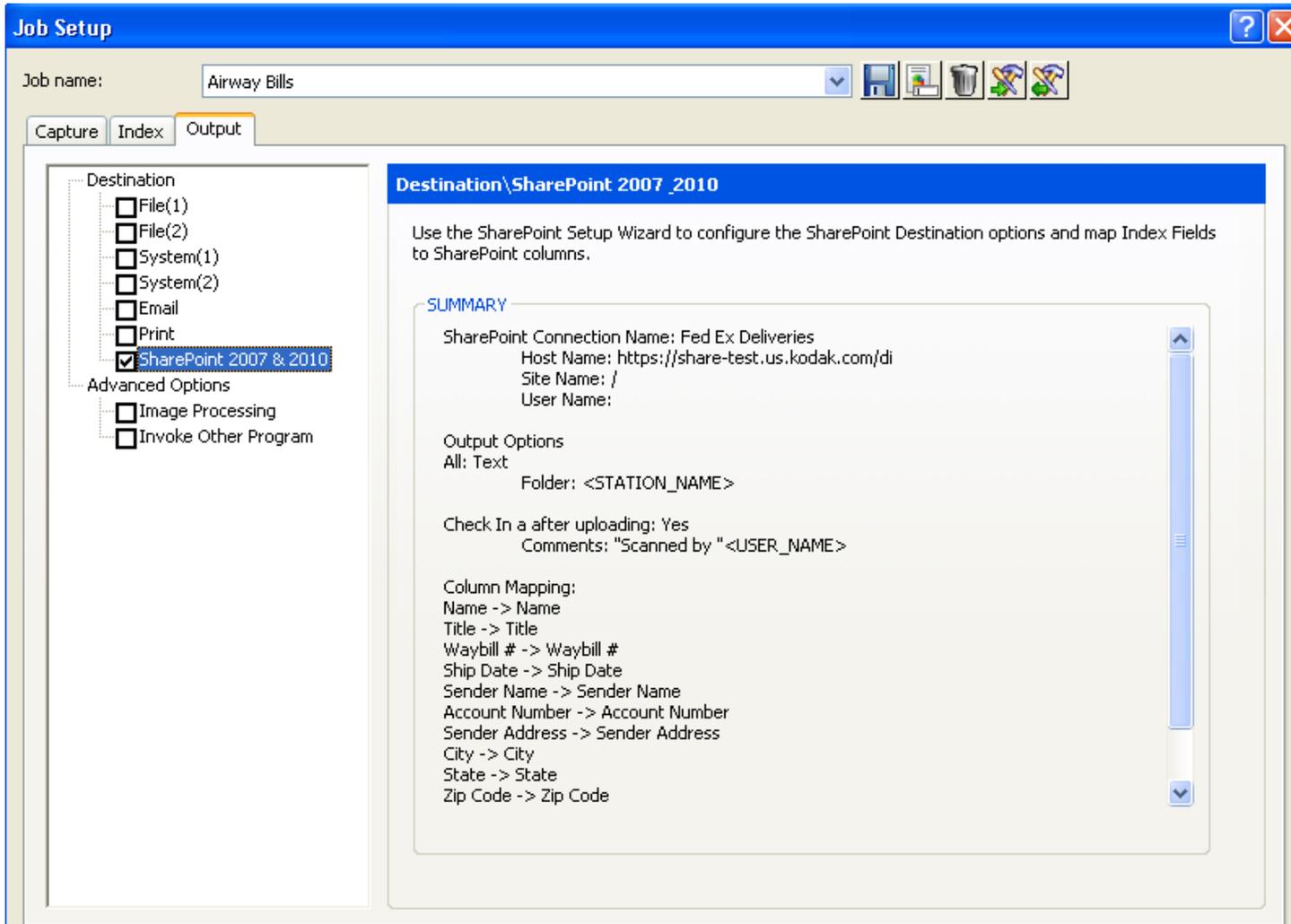
Notes:

- **All file types** supported by Capture Pro (e.g., **PDF/A**, **Searchable PDF**), can be output to SharePoint
- Specify the **Starting Folder** in the SharePoint library and any **sub-folder structure** created during the output

Intelligent Support: Capture Pro won't let you enable "Check-in" (or the *Major/Minor sub-options*) if the site isn't configured for it!

SharePoint Index Setup Wizard – An Example (9)

A Summary of What You Have Done



SharePoint Index Setup Wizard – An Example (10)

The Created Index Fields

Job Setup

Job name: [Save] [Print] [Delete] [Refresh] [Help]

Capture | **Index** | Output

Action when audit fails: [Dropdown] Bypass audit during navigation

Batch | **Document** | Database Lookup

Indexes:

Name	Type	Default Value	Input Format	Output Format	Read-only	Hidden
Name	Single Value		?<0>		<input type="checkbox"/>	<input type="checkbox"/>
Title	Single Value		?<0>		<input type="checkbox"/>	<input type="checkbox"/>
Waybill #	Single Value		?<0>		<input type="checkbox"/>	<input type="checkbox"/>
Ship Date	Single Value		?<0>		<input type="checkbox"/>	<input type="checkbox"/>
Sender Name	Single Value		?<0>		<input type="checkbox"/>	<input type="checkbox"/>
Account Number	Single Value		?<0>		<input type="checkbox"/>	<input type="checkbox"/>
Sender Address	Single Value		?<0>		<input type="checkbox"/>	<input type="checkbox"/>
City	Single Value		?<0>		<input type="checkbox"/>	<input type="checkbox"/>
State	Drop-down list		?<0>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Zip Code	Single Value		?<0>		<input type="checkbox"/>	<input type="checkbox"/>
Delivered?	Drop-down list	"1"	?<0>		<input type="checkbox"/>	<input type="checkbox"/>
Delivery Date	Single Value	<sys.date:MMdc	T<yyyyMMdd>	yyyy"-MM"-dd	<input type="checkbox"/>	<input type="checkbox"/>

SharePoint Index Setup Wizard – An Example (11)

An Index Field with a Drop-down List

Document - Edit Index Field

Label: State

Description:

Type: Drop-down list

Read-only Required

Hidden Minimum index field length: 1

Check field during scanning

Default value: Setup...

Input format: ?<0>

Output format:

Substitute Characters: Setup...

List: AL - AK - AZ - AR - Setup...

OK Cancel

The drop-down list is automatically created from the **Choice list** in **SharePoint**

Column name: State

The type of information in this column is:

- Single line of text
- Multiple lines of text
- Choice (menu to choose from)
- Number (1, 1.0, 100)
- Currency (\$, ¥, €)
- Date and Time

Description:

Require that this column contains information: Yes No

Type each choice on a separate line:

AL
AK
AZ
AR

SharePoint Index Setup Wizard – An Example (12)

The Drop-down List Created from a SharePoint Choice Column

Value	Description
FL	
GA	
HI	
ID	
IL	
IN	
IA	
KS	
KY	
LA	
ME	
MD	

Buttons: Import List..., Add, Delete, Delete All

Allow any value

Indexing action: Use value only

Buttons: OK, Cancel

Notes:

- Click on the **Value** column header to sort the list when displayed **Indexing Mode**
 - If the **Choices change** in SharePoint, you must:
 - **Manually edit** the drop-down list in Capture Pro
- OR**
- Delete the index field and **re-enter the SharePoint Wizard** to re-add the index field with the updated Choices

Drop-down List Import – Overview (1)

Provides the ability to automatically populate drop-down list entries instead of manually keying in each entry

Document - Edit Index Field

Label: Items Purchased

Description:

Type: Drop-down list

Read-only Required

Hidden Minimum index field length: 1

Check field during scanning

Default value:

Input format: ?<0>

Output format:

Substitute Characters:

List:

- 1 - Men's Gloves - BK - Large
- 2 - Men's Gloves - BL - Medium
- 6 - Ping Pong Table - Standard
- 5 - Softball Bat - W29 - L32
- 3 - Tennis Sneakers - Ladies Size 7

OK Cancel

List Setup

Value	Description
1	Men's Gloves - BK - Large
2	Men's Gloves - BL - Medium
6	Ping Pong Table - Standard
5	Softball Bat - W29 - L32
4	Sweatpants - Gray - Small
3	Tennis Sneakers - Ladies Size 7

Import List... Add

Allow any value

Indexing action: Use value only

List can be imported from:

- **SharePoint library**
- **ODBC-compliant data source**
 - Database
 - Excel file
 - Text/CSV file

Drop-down List Import – Overview (2)

New in Version 3.0 is support of Multiple Value drop-down lists

- Provides support for **multiple value SharePoint Lookup columns**

Document - Edit Index Field

Label:

Description:

Type:

Read-only

Hidden

Minimum index field length:

Single value selection

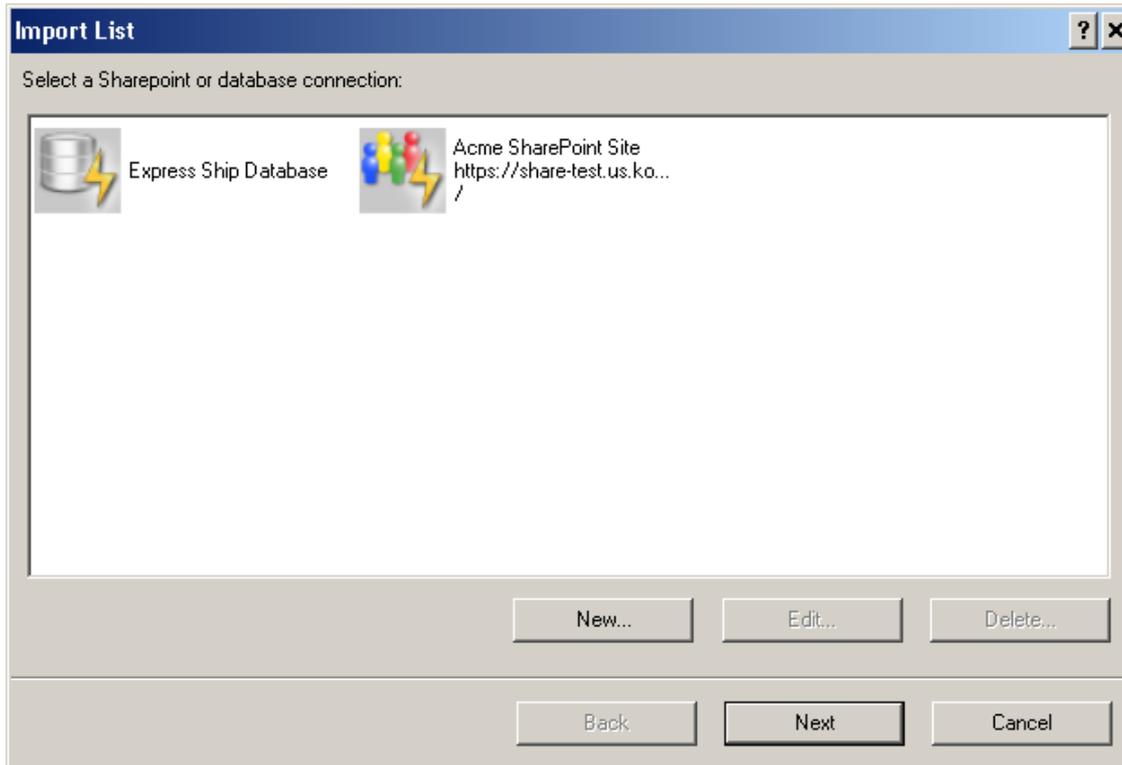
Index	
Batch Index	
Document Index	
Name	0000001
Invoice #	1569872
Vendor Name	Richard's Sporting Goods
Vendor ID	RICH1234
Items Purchased	2 - Men's Gloves - BL - Medium
Total Amount	1 - Men's Gloves - BK - Large
Number of Items	2 - Men's Gloves - BL - Medium
	6 - Ping Pong Table - Standard
	5 - Softball Bat - W29 - L32
	4 - Sweatpants - Gray - Small
	3 - Tennis Sneakers - Ladies Size 7

Multiple value selection

Index	
Batch Index	
Document Index	
Name	0000001
Invoice #	1569872
Vendor Name	Richard's Sporting Goods
Vendor ID	RICH1234
Items Purchased	5 - Softball Bat - W29 - L32;#3 - T
Total Amount	<input type="checkbox"/> 1 - Men's Gloves - BK - Large
Number of Items	<input type="checkbox"/> 2 - Men's Gloves - BL - Medium
	<input type="checkbox"/> 6 - Ping Pong Table - Standard
	<input checked="" type="checkbox"/> 5 - Softball Bat - W29 - L32
	<input type="checkbox"/> 4 - Sweatpants - Gray - Small
	<input checked="" type="checkbox"/> 3 - Tennis Sneakers - Ladies Size 7

Drop-down List Import – An Example (2)

Select either a SharePoint Connection or Database Connection

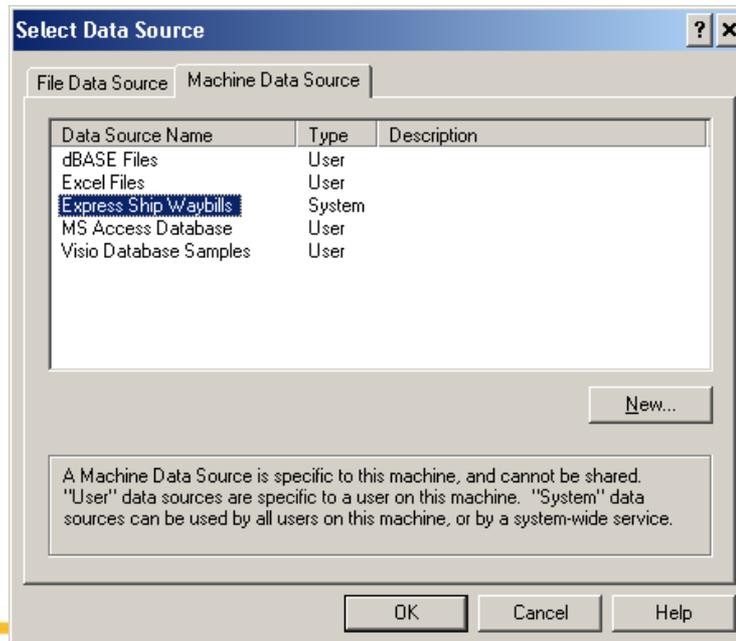
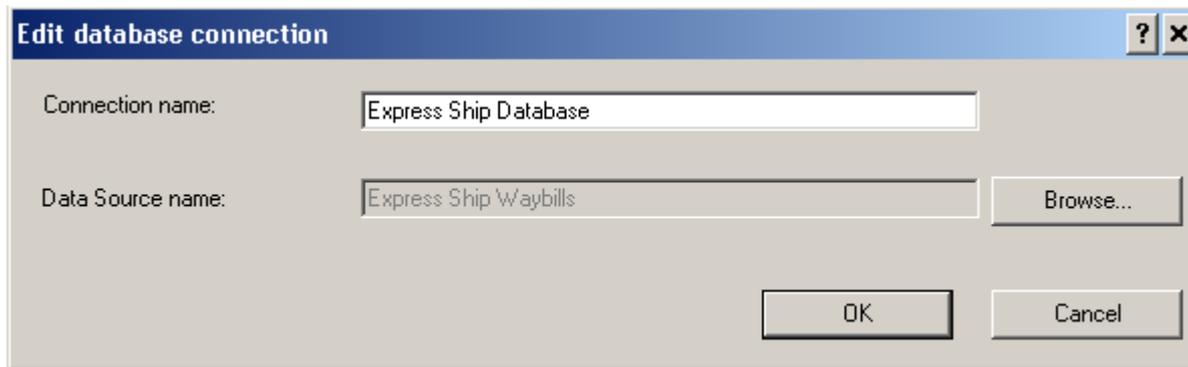


Notes:

- Either select an existing **Connection** or create a new one
- **SharePoint connections** are exactly the same as those used in the SharePoint Index Setup Wizard
- Connections are stored **system-wide** and therefore are available to any Job Setup

Drop-down List Import – An Example (3)

Editing/Defining a Database Connection

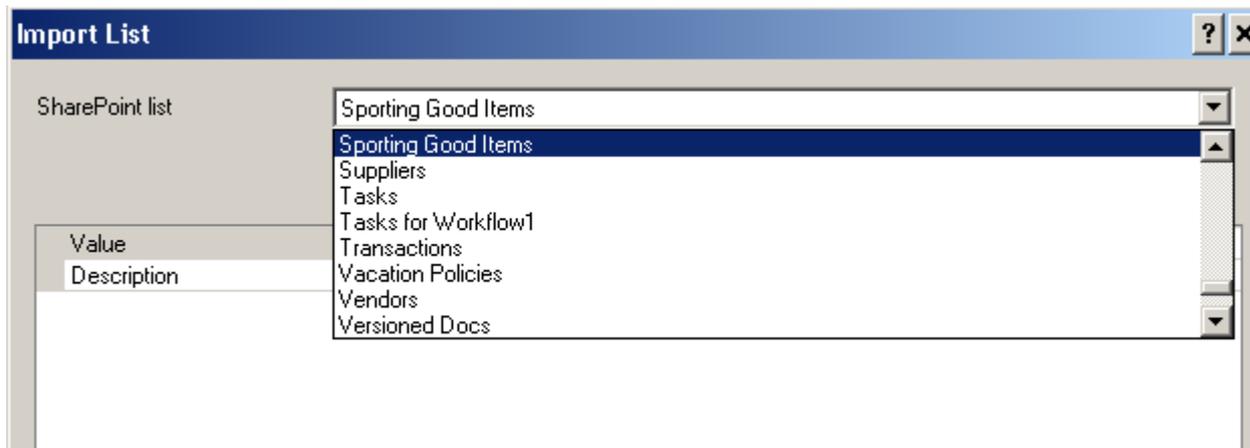
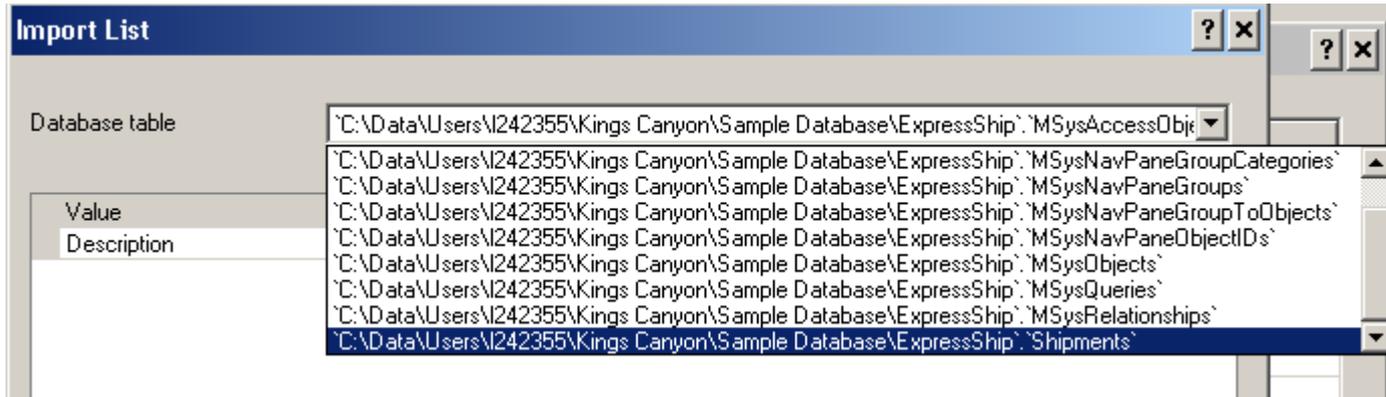


Notes:

- Click on the **Browse...** button to select an **ODBC-compliant data source**
- The Data Source must be configured for the Database (or Excel/Text file) that contains the entries to be imported into the Drop-down list

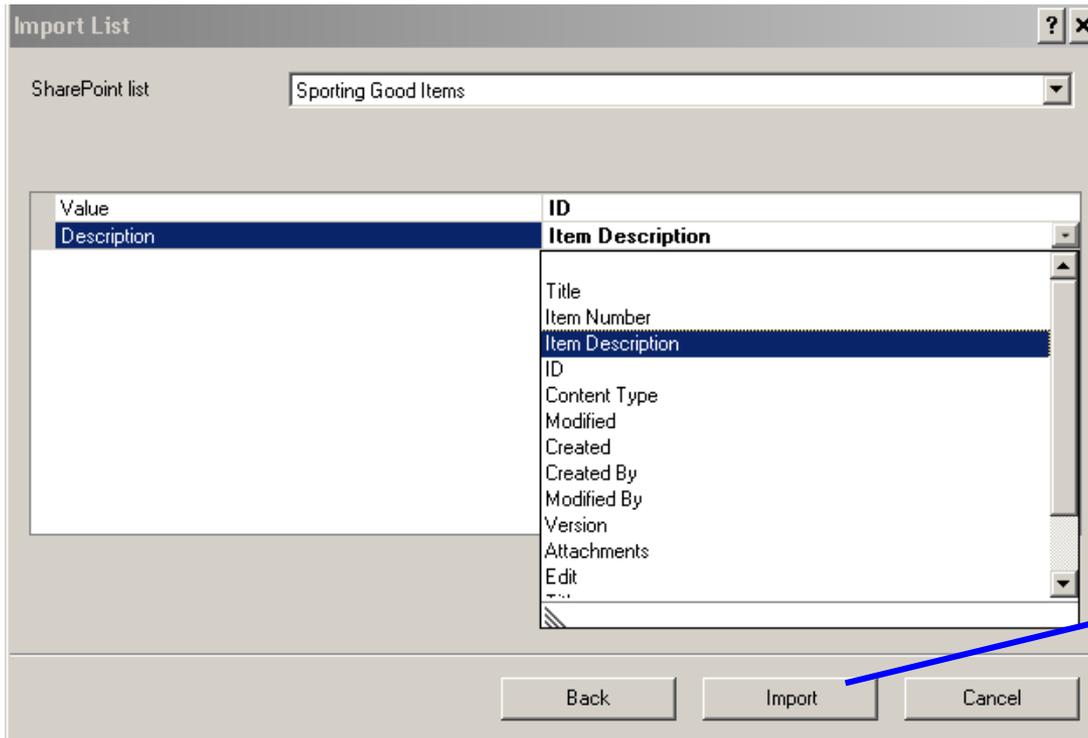
Drop-down List Import – An Example (4)

Select the Database Table or the SharePoint List



Drop-down List Import – An Example (5)

Select the Columns for the Value and Description of the Drop-down List



SharePoint Notes:

- For SharePoint **Lookup** columns, the **ID column must be selected**
- The ID field is often hidden from the views in SharePoint
- When the batch is output to SharePoint, the output value for the index field **must contain the ID**
- Click on the **Import** button to initiate the import

Drop-down List Import – An Example (6)

Completing the Import

The screenshot shows a 'List Setup' dialog box with a table containing 6 rows of data. The table has two columns: 'Value' and 'Description'. Below the table are several control elements: an 'Import List...' button, 'Add', 'Delete', and 'Delete All' buttons, a checkbox for 'Allow any value', an 'Indexing action:' dropdown menu set to 'Use value only', and 'OK' and 'Cancel' buttons.

Value	Description
1	Men's Gloves - BK - Large
2	Men's Gloves - BL - Medium
3	Tennis Sneakers - Ladies Size 7
4	Sweatpants - Gray - Small
5	Softball Bat - W29 - L32
6	Ping Pong Table - Standard

Updating the List:

- Importing the list again will update any existing entries whose **Description has changed** in the SharePoint List or ODBC Database
- Any **new entries** in the SharePoint List/ODBC Database will be added
- Re-importing the list will **not delete entries** that no longer exist in the SharePoint List or Database
- Use the **Delete All** feature to start over

Drop-down List Import – An Example (7)

Completing the Import for SharePoint Lookup Columns

List Setup	
Value	Description
1	Men's Gloves - BK - Large
2	Men's Gloves - BL - Medium
3	Tennis Sneakers - Ladies Size 7
4	Sweatpants - Gray - Small
5	Softball Bat - W29 - L32
6	Ping Pong Table - Standard

Indexing action:

Use value only
Use value only
Use description only
Use value and description

The **Indexing Action** specifies what value will get output during batch processing

For **SharePoint Lookup columns** the **ID column** value that was imported must be output

- In this example, the ID column was assigned to the **Drop-down list Value**
- Therefore **“Use value only”** must be specified

Drop-down List Import – An Example (8)

Multiple Value Indexing for SharePoint

Batch Index	
Document Index	
Name	0000001
Invoice #	1569872
Vendor Name	Richard's Sporting Goods
Vendor ID	RICH1234
Items Purchased	3 - Tennis Sneakers - Ladies Size 7;#;#5 - Softball Bat - W29 - L32
Total Amount	<input type="checkbox"/> 1 - Men's Gloves - BK - Large
	<input type="checkbox"/> 2 - Men's Gloves - BL - Medium
Number of Items	<input checked="" type="checkbox"/> 3 - Tennis Sneakers - Ladies Size 7
	<input type="checkbox"/> 4 - Sweatpants - Gray - Small
	<input checked="" type="checkbox"/> 5 - Softball Bat - W29 - L32
	<input type="checkbox"/> 6 - Ping Pong Table - Standard

Intelligent
Output to
SharePoint

Notes:

- Each item selected is separated by a **SharePoint-specific delimiter ;#;#** that is required when outputting the multiple values to SharePoint
- This delimiter can manually be changed if you need to output multiple values to a different downstream imaging system
 - [Contact Chris Larson for details](#)

Improved Bar Code Indexing Support (1)

Added Support for **QR bar code** (2-D code popular in Europe and Asia)



QR bar codes can contain Asian language characters

Improvements to other 2-D bar codes

- New engine from AMP provides better read rates on **challenging Data Matrix** bar codes



- Added support for **truncated PDF-417 bar codes**



Regular PDF-417 code

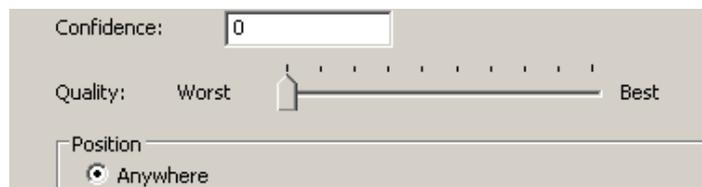


Truncated PDF-417 code

Improved Bar Code Indexing Support (2)

Better read rates (including correcting mis-reads) on Code 128 bar codes

- An **alternative method** of reading Code 128 codes has been implemented that resolves most of the **mis-read** problems
- To enable this alternative method, the **Quality** setting for the bar code zone must be set to its **lowest value**



New Default Value syntax for delimited bar codes now supports non-printable characters

- Especially useful for 2-D bar codes such as PDF-417 and DataMatrix
- This same syntax was also available in legacy Capture Software
- User can now specify either the **delimiter character** or its **ASCII (Decimal) equivalent**

Default value:

```
<barcode.Zone1:[1,'*']>
```

Default value:

```
<barcode.Zone1:[1,'42']>
```

- For instance, a Line Feed character (<LF>) has an ASCII Decimal value of '10'

Kodak

Auto Import Changes

UNC Paths and IP Addresses can now be specified for Hot Folder locations

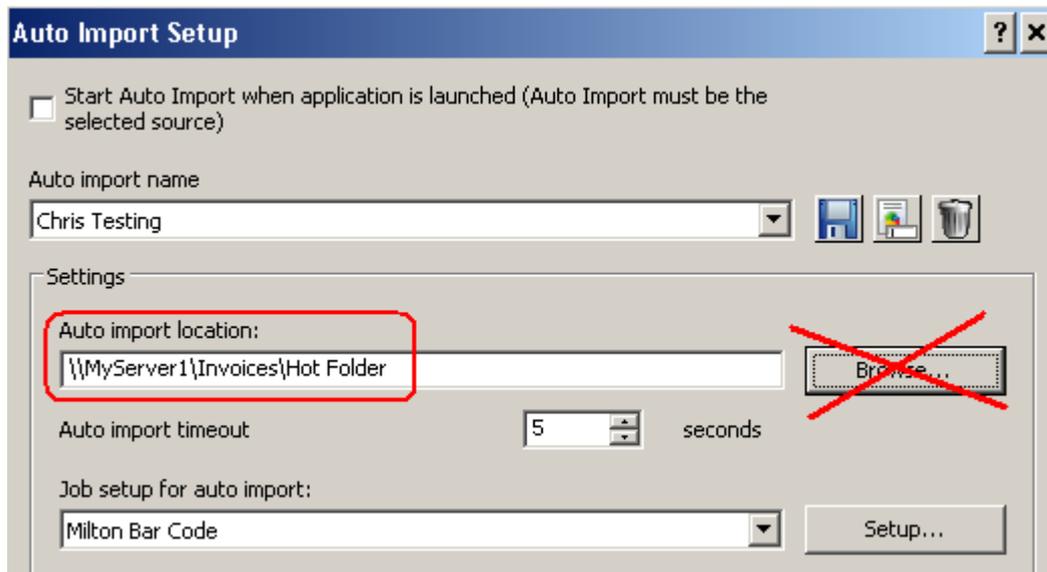
Auto import location:

\\MyServer1\Invoices\Hot Folder

Auto import location:

\\150.268.10.47\Invoices\Hot Folder

- These locations cannot be **Browsed** To
- Therefore they must be manually keyed in



Other Miscellaneous Changes

99999999 keys are no longer supported

- Must now use the **Trial Edition** for demos and customer/partner evaluations
- Kodak Service personnel can continue to use their 99999999 keys when providing support for customers on Version 2.0.1 or 2.5.6

Icons have been updated to be more compatible with Windows 7 look and feel

Version 2.5.6



Version 3.0



New and Improved System Outputs (1)

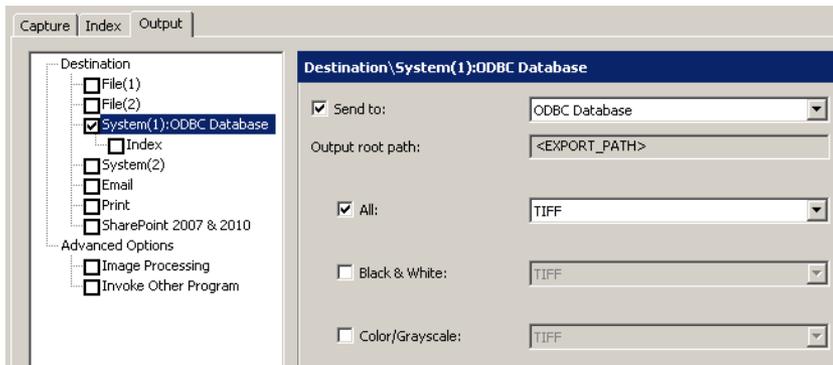
Updated in 3.0 Release

- **iVault** support for PDF and Searchable PDF
- **EMC Captiva Formware** fixes
 - Incompatible TIFF tag structure that prevented import of images into Formware
 - **Image Description** tag length has been reduced from 128 to 80 characters
 - Patch to output **ANSI index file (BDF file)** instead of Unicode index file
 - By default, a Unicode BDF file is produced which does not work on some customer systems
 - To force ANSI output a special configuration file must be placed in the SOD's **Plugins** directory (*e.g., C:\Program Files\Kodak\Capture Pro\Plugins\KCBOFAPI\BOF_CPF*)
 - The configuration file must be called **encoding.info** and have the following contents:
[Text File Encoding]
ANSI = 1
- New **Kofax-Ascent XML** output compatible with Version 7.0 and above of Kofax Capture

New and Improved System Outputs (2)

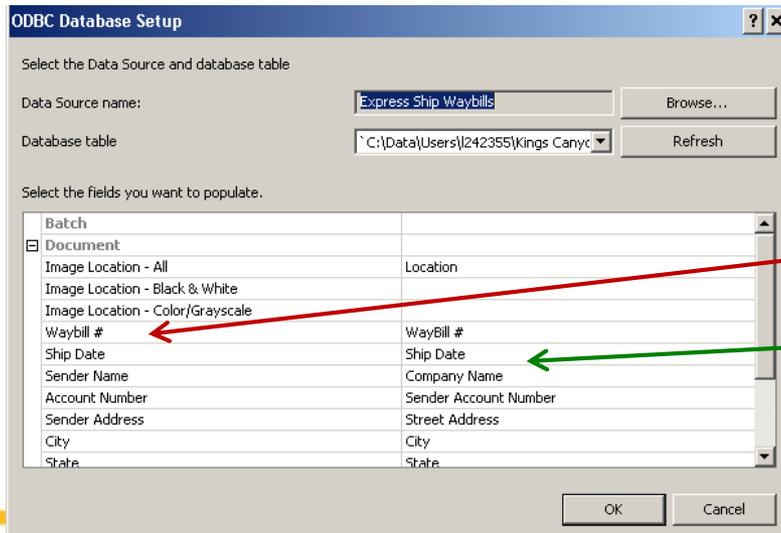
New in Version 3.0

ODBC Database



Notes:

- Provides index data (with on-disk location of output image file) written to an **ODBC-compliant data source**
- Only **Multi-Page output** is supported (e.g, TIFF, PDF, Searchable PDF, etc...)
- Will only run with **Version 3.0 or higher** - even if DLLs are copied to a 2.5.6 or earlier installation !!



- Basically the **reverse of Database Lookup**
- Must map:

Capture Pro index fields

to

Database columns

New and Improved System Outputs (3)

Available Upon Request

- Color **MO:DCA** support
- Multi-Page TIFF for **Fortis (File Magic)**
- **Capture Software 6.x** output that produces output identical to Scan Cache structure in CS 6.x
 - Needed by those customers who used “Release” BOF (Batch Output Format) and are looking to upgrade to Pro
- **“Save as...”** output format that will **prompt the user** for **Output Location** and **File Name** when the **Output** button is pressed

Ongoing Bug Fixes

These issues, among others have been fixed in Version 3.0:

- Searchable PDF output will fail “PDF engine failed to process source image file” or crash when processing **difficult** images (e.g., maps, photos, charts, graphs).
 - **New OCR engine** from Nuance (Version 16.4) and **new logic** has been added in Capture Pro to **continue output processing when the engine fails or times out** in performing full-text OCR on difficult images
 - Difficult images will be added to PDF file as **image-only**
 - If default engine timeout of 3 minutes (or 180 seconds) is too long or short, it can be adjusted by adding the following entry to the **ENV.INFO** file:

```
[OCR]
Timeout = 30
```
- JPEG TIFF 6 output is producing **very slight dark line** at top of images
- User is still able to **Delete a Document** even though privilege is disabled in User Setup
- When last document of a batch is empty, the **previous document's content is deleted** when outputting to a network folder
- **LAST_VALUE** for batch indexes is not working when index value is captured via bar code or OCR

For a complete list of the problems fixed in Version 3.0, refer to the [Release Notes](#) (coming soon!) available from the [Version 3.0 download page](#)

www.kodak.com/go/kcsdownloads

Capture Pro Software Version 3.0 Trial Edition

Download the free Trial Edition of Capture Pro Software v 3.0 as a product for 30 days or 25,000 pages, whichever limit is reached any scanner supported by KODAK Capture Pro Software.

[Details >](#)

Capture Pro Software Upgrade for Version 3.0

Capture Pro Software Version 3.0 is now shipping with all new have an active Service and Support Contract as part of your inst can upgrade to and run this release as part of your Software As

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Known Issues

For a complete list of the Known Issues, refer to the latest Product Advocate Report for Capture Pro Software

Windows 7 (32-bit and 64-bit) and Vista 64-bit multi-user installations

- Network locations on Windows 7 or Vista 64-bit PCs are not accessible and cannot be specified on the Advanced installation screens. This is a Microsoft issue.
- **Manual workaround** after installation is to:
 - a. move the settings files to the desired network location
 - b. modify the ENV.INFO file on each PC as part of the installation.
- The **Workgroup** entry must be manually edited (from the default location shown below) to point to the desired network location

