



Kodak Capture Pro Version 4.5

Technical Training

April 4, 2014 Update

(With Release Notes for Version 4.5.3)

Overview

Upgrading to Version 4.5

Operating System and Language Support

Additional and Changed Scanner Support

- **Additions in Version 4.5.3**

New Features, Enhancements, Improvements

- OMR (Mark Detection) Indexing
- Secure FTP Output
- New System Output for Alfresco
- Enhanced SharePoint support
- DB Lookup Improvements
- Output Batch Statistics and Document Indexes to an ODBC Database
- Auto Import Improvements
- Bookmark output PDF files
- Find all bar codes on a page
- Integration with Kodak InfoActivate Solution
- Silent Install improvements (“Silent without SSN”)

Problems Fixed – Standalone Workstations

Problems Fixed in Version 4.5.3



Upgrading to Version 4.5 (1)

Stand-Alone Installations

- The customer's **Capture Pro Software Serial Number** must be entitled to the 4.5 release
 - **The Entitlement Date (or Software Assurance Expiration Date) must be October 1, 2013 or later**
- To upgrade, download the installer (**CapProSW_4_5_0.exe**) file from www.kodak.com/go/captureprodownload and run it.
 - **The installer will automatically upgrade an existing Capture Pro install to Version 4.5.0**
 - **An Internet connection is required during the upgrade as PLAS will generate a new 4.5.0 license**

Product Name	Customer Name	Dongle ID / Computer ID	Sales Order Number	Product Serial Number	Service Contract	Service Contract Expiry	CPP BP Number	P20 BP Number	EAMER BP Number	Created	License
Capture Pro 4.5.0	DATAPOOL GmbH	836144721f790a292b3adb725b987eee2e23	71539244	1544631522817762	Full	Aug 29, 2014		776453		Sep 30, 2013	5f66...3d52

The following is the complete history for Dongle **836144721f790a292b3adb725b987eee2e23** (Customer dongle - Active/Registered) :

Issued Date	Expiry Date	Reason	Product	Base / Options	Issued By	License Key Details
Sep 30, 2013	N/A	Permanent - New License	Capture Pro 4.5.0	▪ 1641893 : Capture Pro Group E (1)	Capture Pro	5f669bd4 - f37b...
Sep 10, 2013	N/A	Permanent - New License	Capture Pro 4.1.0	▪ 1641893 : Capture Pro Group E (1)	Capture Pro	853ec47b - 9b00...

Upgrading to Version 4.5 (2)

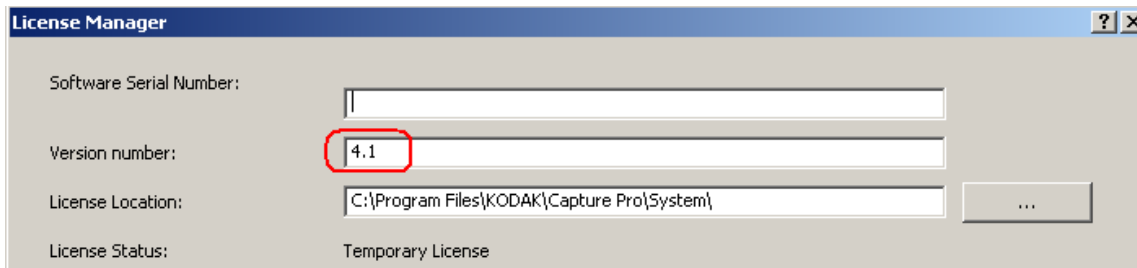
Network Edition Installations

- Please note that Version 4.5 of Network Edition is not available yet
 - Target Date is before year-end in December 2013
- Both the NE Server and the NE Client workstations must be upgraded to Version 4.5 at the same time.
 - You cannot run a Version 4.1 client workstation with a Version 4.5 NE Server
 - You cannot run a Version 4.5 client workstation with a Version 4.1 NE Server
- To upgrade, and when available, download the installer files from www.kodak.com/go/capturepronedownload run them
 - IIS on the Network Edition Server must be STOPPED prior to the upgrade and RESTARTED after the upgrade

Upgrading to Version 4.5 (3)

License Manager

- If a previous version of **the License Manager** was installed on the PC/Server, it is **recommended** to also upgrade the License Manager to Version 4.5
 - The Version 4.5 License Manager is available for download on both of the product Download pages
 - Running the 4.5 installer will upgrade the existing License Manager to Version 4.5
- If the previous version of the License Manager is not updated, the **Version Number** will still indicate “4.1” even if Capture Pro has been **upgraded to Version 4.5**



- You can still use this License Manager to **Get new licenses, Release licenses, etc.,** however you must make sure to **change the Version Number to “4.5”** before performing any tasks

Upgrading to Version 4.5 (4)

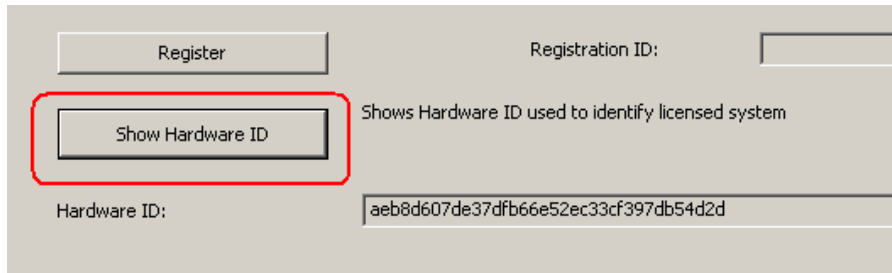
Trial Edition

- The Version 4.5 installer will also be available on the Capture Pro Trial Edition page at www.kodak.com/go/captureprotrial
 - **There is not a separate software installer for Trial Edition**
- **Customers** with an existing 4.1 **default trial license** (30 Days, 25,000 pages) can get an additional 30 days by running the 4.5.0 installer and upgrading
 - **Even if their 4.1 trial license has already expired!**

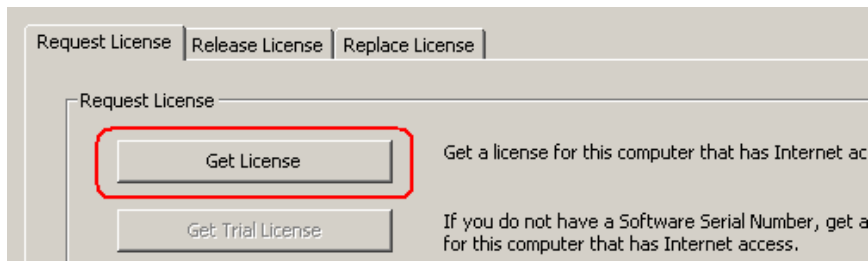
Upgrading to Version 4.5 (5)

Trial Edition (continued...)

- Kodakers and Partners with a Custom trial license should send their **Hardware ID** to ww-ksb-capturesw@kodak.com to get an extended Version 4.5 Trial license
 - **Install and run the License Manager and click on “Show Hardware ID”**



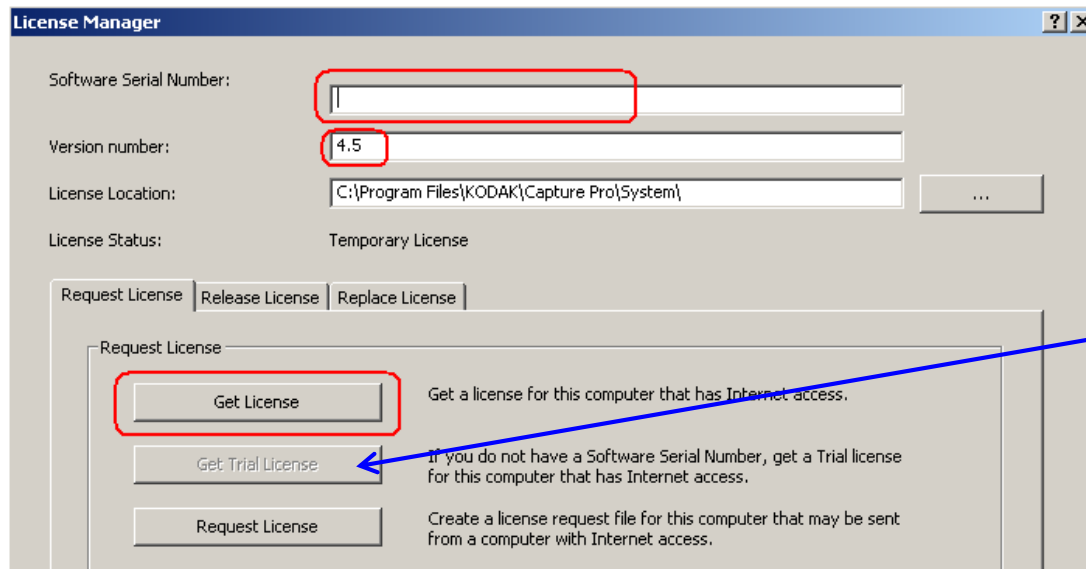
- **If the upgrade to Version 4.5 is done before the custom 4.5 trial license is created, then the Kodaker/Partner will get a default 30 day trial license**
- **They will need to do a “Get License” from the License Manager after their custom 4.5 license is generated**



Upgrading to Version 4.5 (6)

Upgrading a Trial Installation to Production

- The customer first needs to download and install the **License Manager** program
- Entering their **Software Serial Number**, making sure the **Version Number** is “4.5”, and clicking on “**Get License**” will retrieve their production license and upgrade their installation



- There is no need to uninstall and re-install the software
- The new “**Get Trial License**” button is only active for **Limited Edition** customers wanting to get a **30 Day trial**

Operating System and Language Support

Windows 8 is officially supported

Windows Server 2012 is officially supported

- Network Edition License/Admin Server
- Network Edition Remote Output Server
- Auto Import workstations

Support for **Windows Vista** has been dropped

Polish Language GUI has been added

- Total number of languages supported in Capture Pro will be at 17

Scanner Support Changes and Additions (1)

3rd Party Scanner Support Additions

Canon DR-G1100 Group DX

Canon DR-G1130 Group E

Canon MS-300 Group C (the MS models are microfilm scanners)

Canon MS-350 Group C

Canon MS-800 Group C

Colortrac SmartLF/A0 Group C

Epson DS-50000 Group A

Epson DS-60000 Group B

Epson DS-70000 Group D

Inotec Scamax 403 Group E

Inotec Scamax 413 Group E

Inotec Scamax 423 Group F

Inotec Scamax 433 Group G

Complete list of supported scanners
and updated license files can be
found at:

www.kodak.com/go/kcsscannersupport

Scanner Support Changes and Additions (2)

3rd Party Scanner Support Additions (continued)

Panasonic KV-S1015C	Group A
Panasonic KV-S1026C	Group A
Plustek PS406/PS406U	Group A
Plustek PS406U Pro	Group A
Xerox Documate 4799	Group E
Xerox Documate 4830	Group C
Xerox Documate 5445	Group A
Xerox Document 5460	Group B

Kodak Scanner Additions

PS50	Group A
PS80	Group A

Group Changes

Inotec Scamax 421	from	Group G	to	Group F
Inotec Scamax 422	from	Group G	to	Group F

Scanner Support Additions - Version 4.5.3

3rd Party Scanner Support Additions

Fujitsu fi-7160	Group B
Fujitsu fi-7180	Group B
Fujitsu fi-7260	Group B
Fujitsu fi-7280	Group B
Panasonic KV-S5046H	Group D
Panasonic KV-S5076H	Group DX
Xerox Documate 4760	Group D

Kodak Scanner Additions

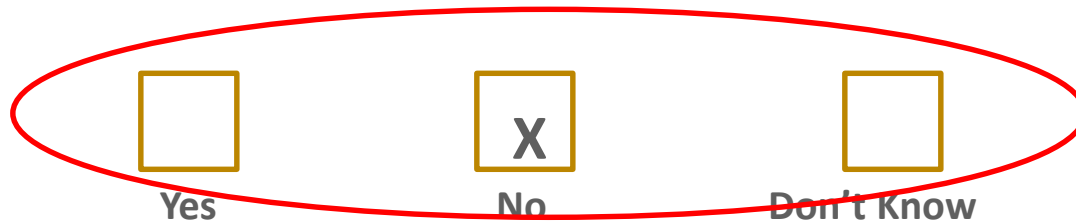
Kodak i3250	Group C
Kodak i3450	Group D

Features, Enhancements, and Improvements (1)

Mark Detection (OMR) Support

- **Basic Mark Detection**

- Works on lead page of a document (like other “zonal” capabilities today); front or back
- Can look for individual mark detection zones or groups of **2-10 zones**
- A zone group allows a single value to be produced by multiple zones, for example:



These 3 zones (boxes) make up a group; one mark in any of the zones produces a value for that group.

Features, Enhancements, and Improvements (2)

Mark Detection (OMR) Support (continued)

- **With Mark Detection the User Can:**
 - Associate each zone or group with an index field
 - Define the value (number or a string) that is produced for a “filled” zone
 - Define the value (number or a string) that is produced for an “unfilled” zone
 - Set the sensitivity of mark detection
 - Decide if a zone will be independent or part of a group of zones
 - Decide if a zone will be framed or unframed:



Ex: Framed zone



Ex: Unframed zone

Features, Enhancements, and Improvements (3)

Mark Detection (OMR) Support (continued)

- **The Mark Detection Feature Can:**
 - Read an independent zone and populate an index field with the defined “filled/unfilled” value
 - Read a group of zones and populate an index field with the appropriate defined value:
 - “No selection” value if no zones are marked
 - One “filled” value if a single zone is marked
 - A string of values if multiple zones are marked
 - Be useful on simple, uncrowded single page forms (ex: a simple survey sheet)
 - Be used with other Capture Pro or third party capabilities to achieve additional tasks
- **The Mark Detection Feature Can Not:**
 - Read beyond the lead page on multi-page documents
 - Recognize registration marks (anchor points)
 - Be accurately used on complex (dense) or multi-page forms (ex: a typical standardized test form with many “bubbles”)

Features, Enhancements, and Improvements (4)

Mark Detection (OMR) Support (continued)

- **Zones/Groups Details (Example 1)**

- A question has 3 possible answers. Each answer is an individual zone. Each zone has its own associated index field with its own name. You set this up like this:
 - The 3 index fields are named: [LikesCherry](#), [LikesGrape](#), [LikesLemon](#).
 - Filled value for each index field is “Yes”
 - Unfilled value for each index field is “No”

Question: Which flavor (s) do you prefer?

☒

Cherry

☒

Grape

☐

Lemon

Result after mark detection would be:

Index Field:	Index Value:
LikesCherry	Yes
LikesGrape	Yes
LikesLemon	No

By using 3 individual zones, you get 3 separate results and populate 3 index fields.

Features, Enhancements, and Improvements (5)

Mark Detection (OMR) Support (continued)

- **Zones/Groups Details (Example 2)**

- A question has 3 possible answers. Each answer is an individual zone. The 3 zones are added to a group. The group has an associated index field with its own name. You set this up like this:
 - The group index field is named named: **FavoriteFlavors**
 - Filled value for the 3 zones are: “Cherry”, “Grape”, “Lemon” respectively
 - Unmarked zones return no value for the index field

Question: Which flavor (s) do you prefer?

☒

Cherry

☒

Grape

☐

Lemon

Result after mark detection would be:

Index Field:
FavoriteFlavors

Index Value:
Cherry,Grape

By grouping 3 zones, you populate 1 index field with all the checked values, separated by a comma

Features, Enhancements, and Improvements (6)

Mark Detection (OMR) Support (continued)

- **Configuring Mark Detection Zones**

- Click on the “Mark Detection Zone” button to draw and create a new zone

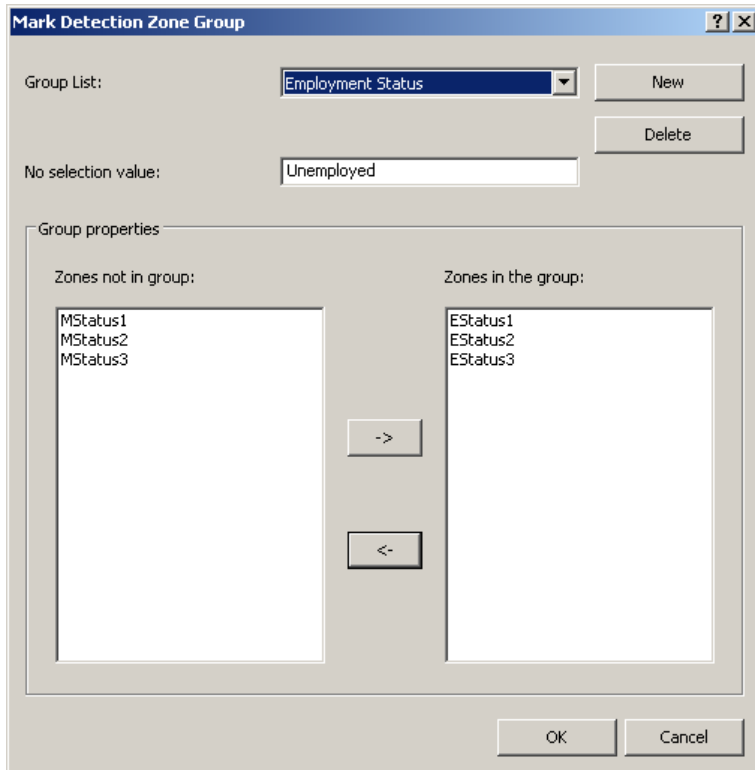
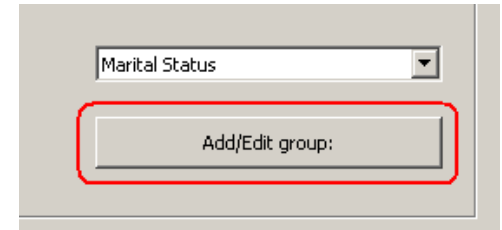


- Enter the **Zone name**
- Specify the **Filled** and **Unfilled values**
 - **If the zone is part of a group, then the Unfilled value is disabled**
- Select the zone location (**Front or Back**)
- Select whether the zone is **Framed** or not
- Select the **Mark sensitivity** setting
 - **A Low value will help prevent noise on the document causing a positive result**
- Indicate whether the zone is part of a **Group**

Features, Enhancements, and Improvements (7)

Mark Detection (OMR) Support (continued)

- **Configuring Mark Detection Zones (continued)**
 - Click on the “Add/Edit group” button to create a zone group:

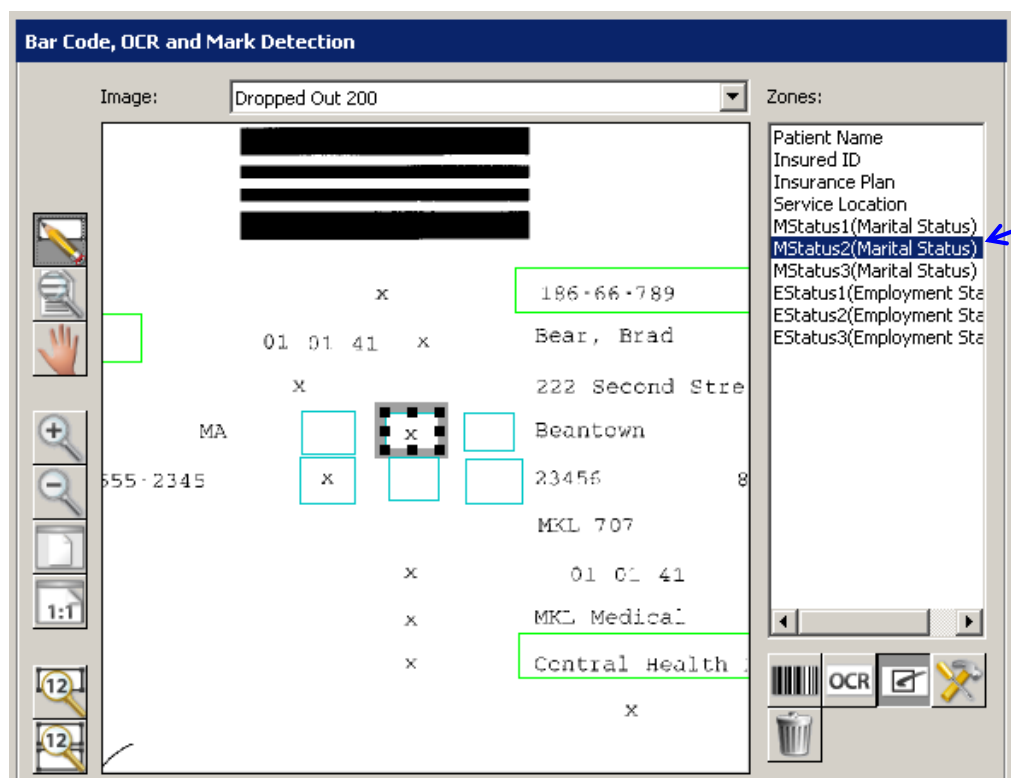


- Click **“New”** to create a Group name
- Specify the **No Selection value** that will be assigned to an index field if none of the zones in the group are filled in/checked
 - **Leave blank if applicable**
- Use the **Arrow buttons** to select all the zones that belong to the Group

Features, Enhancements, and Improvements (8)

Mark Detection (OMR) Support (continued)

- **Configuring Mark Detection Zones (continued)**
 - Review the setup of your zones



- Note that Mark Detection zones are in **Cyan**
- If the zone is part of a group, the **Group Name** will be included in the Zone List
- Notice the better results a dropped out form will produce!

Self	<input checked="" type="checkbox"/>	Spouse	<input type="checkbox"/>	Child	<input type="checkbox"/>	Other	<input type="checkbox"/>	221
8. PATIENT STATUS								CITY
Single	<input type="checkbox"/>	Mar	<input checked="" type="checkbox"/>	Other	<input type="checkbox"/>			Be
9. IS PATIENT'S CONDITION RELATED TO...								ZIP CO
Employed	<input checked="" type="checkbox"/>	Full-Time Student	<input type="checkbox"/>	Part-Time Student	<input type="checkbox"/>			234
10. IS PATIENT'S CONDITION RELATED TO...								11. INSL
								MK

Features, Enhancements, and Improvements (9)

Mark Detection (OMR) Support (continued)

- **Assigning the Mark Detection results to an Index Field**

The screenshot displays the 'Job Setup' application window. The 'Document - Edit Index Field' dialog is open, showing configuration for the 'Marital Status' index field. The 'Indexes' list on the left includes Name, Insured ID, Patient Name, Marital Status, Employment Stat, Insurance Plan, Service Facility, Service Address, and Service City. The 'Default Value Setup' sub-dialog is also open, showing a list of predefined values. The 'Default value formula' is set to '<MD.Marital Status>'. The 'Predefined values' list includes Station ID, Station name, Job name, User name, Batch process path, Workgroup path, Page setup, Import File Name, Import Folder Name, Batch name, Document ID, Document ID(0..), Document type, Page ID, Page ID(0..), OCR::Patient Name, OCR::Insured ID, OCR::Insurance Plan, OCR::Service Location, MD::Marital Status (highlighted), MD::Employment Status, and Last value.

Job Setup

Job name: Mark Detection - Health Claims

Document - Edit Index Field

Label: Marital Status

Description:

Type: Single Value

☐ Read-only ☐ Required ☐ Double Entry

☐ Hidden Minimum index field length: 0

☒ Check field during scanning

Default value: <MD.Marital Status>

Input format: ?<0>

Output format:

Substitute Characters:

List:

Default Value Setup

Predefined values:

- Station ID
- Station name
- Job name
- User name
- Batch process path
- Workgroup path
- Page setup
- Import File Name
- Import Folder Name
- Batch name
- Document ID
- Document ID(0..)
- Document type
- Page ID
- Page ID(0..)
- OCR::Patient Name
- OCR::Insured ID
- OCR::Insurance Plan
- OCR::Service Location
- MD::Marital Status**
- MD::Employment Status
- Last value

Default value formula: <MD.Marital Status>

Add Item Delete

- **When Zone Groups have been defined, only the Group Name will be available as a Default Value selection for indexing**

Features and Enhancements (10)

Secure FTP Output

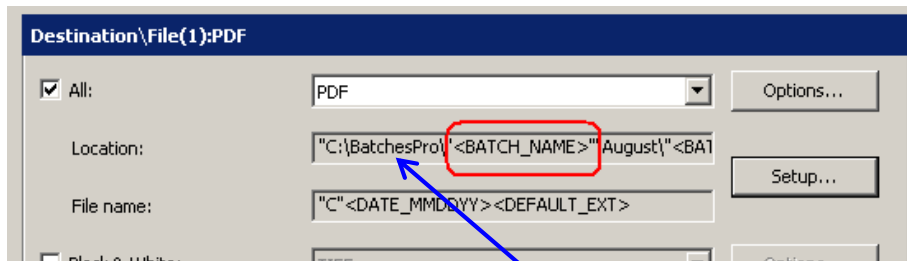
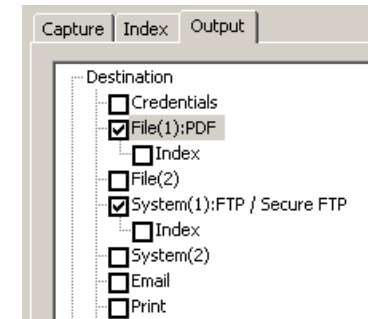
- Current FTP Server is being replaced by a new SOD that will provide for both regular FTP output and Secure FTP output
 - **No more trigger file mechanism**
 - **Improved error handling - batch will be put into “Processing Error” status if batch fails to transfer**
 - FTP Server was not reporting errors and not recovering from Internet exceptions on Windows 7 64-bit systems
 - **Improved retry logic**
 - Default will be **3 retries and 5 seconds between retries** for connecting and uploading to the FTP site
 - Default can be modified by creating a text file called **MyPlugin.info** and placing the file into the directory for the SOD : **C:\Program Files\Kodak\Capture Pro\Plugins\KCBOFAPI\BOF_SFTP**
 - Content of MyPlugin.info. Timeout values are in **seconds**
[TimeOut]
ConnectTimeOut = 5
RetryUploadInterval = 5
 - **Improved logging in the Output.log file**
 - The number of files transferred will be logged providing verification of the FTP transfer
 - **Will create folders and sub-directories on the FTP site as necessary per Job Setup configuration**
 - **Secure FTP will support both User Name/Password and Private/Public Key authentication**

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

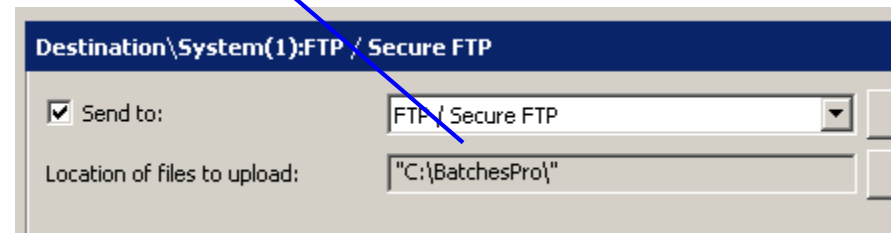
Features and Enhancements (11)

Output Configuration for FTP/sFTP

- FTP output **requires either File (1) or File (2)** output to also be configured
- File (1)/File (2) output configuration must contain a **Batch Subdirectory**



- The contents of the Batch Subdirectory is what will be transferred to the FTP site
- The **Location of files to upload** must match the location of the Batch Subdirectory



Features and Enhancements (12)

FTP/sFTP Configuration

FTP / Secure FTP Setup

Destination

File Protocol: ☐ Anonymous

FTP/sFTP Site: Port:

User ID: Password:

Host Key:

Public key file:

Private key file:

Root directory:

Options

☐ Zip files before sending

☐ Password protect zip file

Password:

☐ Create batch folder

☐ Delete batch after successful send

Passphrase

☐ Password protect private key file

Password:

- Select standard **FTP** or **Secure FTP (sFTP)** from the drop-down list
- Check the box if your FTP server accepts **Anonymous** login and you wish to use the anonymous login
- Enter the FTP server **IP address or server name**
- Enter the server **Port** number that will be used to connect. **21** is typically used for FTP and **22** for sFTP.
- Enter **User ID** and **Password**, if applicable. Typically required for FTP and optional for sFTP depending upon how the sFTP site is configured.
- Click **“Refresh”** to retrieve and store the **Host Key** from the Secure FTP Server. The Host Key is the signature of the server and is provided to verify that you are connected to the intended server.

Each time a connection is established with the secure server, the host key of the server is compared with the stored value of the Host Key. If the keys do not match, an error message will be displayed.

Features and Enhancements (13)

FTP/sFTP Configuration (continued)

The screenshot shows a configuration window for FTP/sFTP. It has several input fields and checkboxes. At the top, there's a 'Host Key' field with a refresh button. Below it are 'Public key file' and 'Private key file' fields, each with a 'Browse' button. The 'Root directory' field is pre-filled with '/Testing Results/'. Below these is an 'Options' section with checkboxes for 'Zip files before sending', 'Password protect zip file', 'Create batch folder', and 'Delete batch after successful send'. There's a 'Password' field for the zip options. At the bottom is a 'Passphrase' section with a checkbox for 'Password protect private key file' and another 'Password' field. 'OK' and 'Cancel' buttons are at the bottom right.

- Browse to the **Public or Private key file** if that type of authentication is established on the sFTP server
- If a Private Key is used it must be an **OpenSSH key**
- Specify the name of the **Root Directory** or folder to place the files on the FTP server. If the folder does not exist, it will be created. The *Root Directory* may be left blank.

Options

- The **ZIP option** will zip up the entire contents of the Batch Subdirectory and transfer one file to the FTP site. The name will be **<BATCH_NAME>.ZIP**
- **Create batch folder** will create a folder with the name **<BATCH_NAME>** on the FTP server and the transmitted files will be placed in this folder.
- **Delete batch after successful send**, when checked, will delete the File 1 or File 2 output after the files have been successfully transmitted

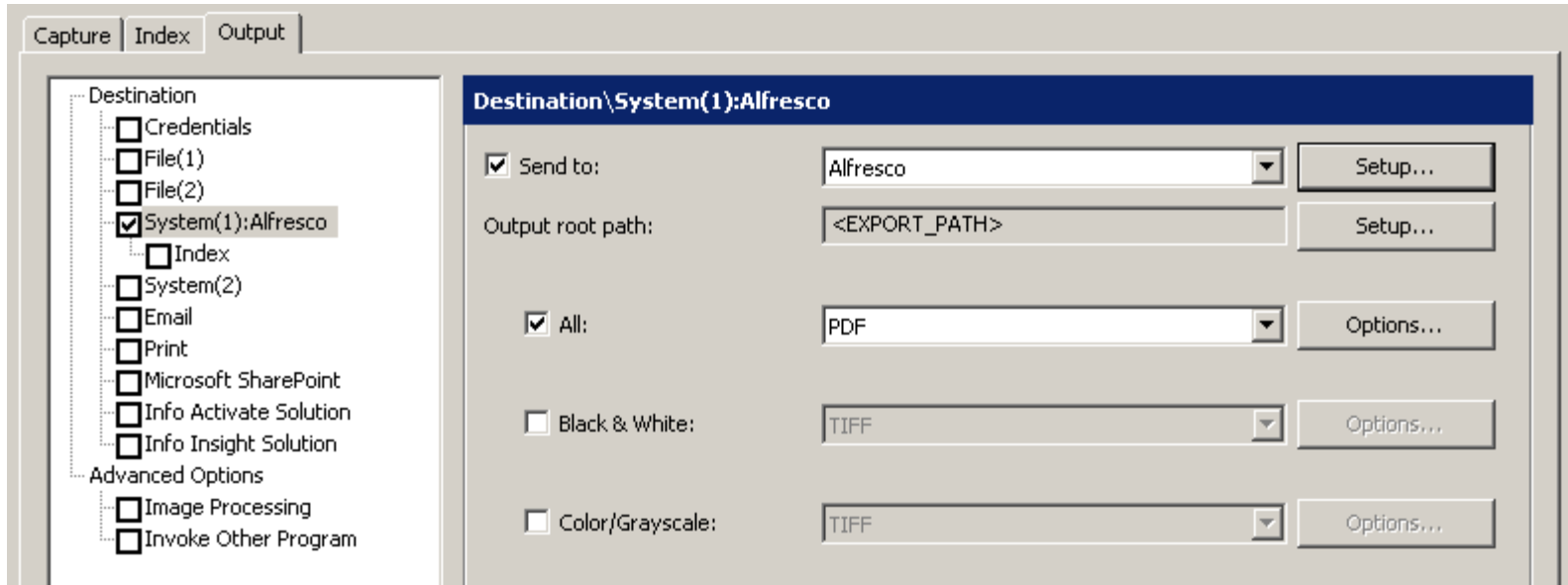
Final Note: When a file of the same name exists on the FTP server it will be overwritten with the most recently transmitted file. To avoid overwriting files enable **Create batch folder** or make sure folder and/or file names are unique.

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Features and Enhancements (14)

New System Output Destination for Alfresco

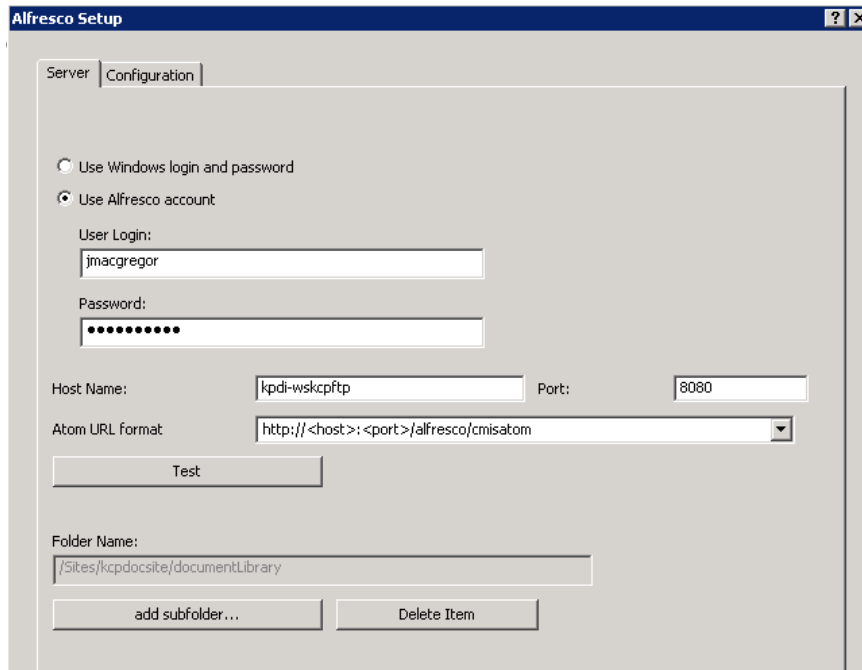
- Direct integration into Alfresco



- Initial release will only output image files to Alfresco; index data cannot yet be output and assigned to Alfresco metadata fields/columns
- Development will continue on the Alfresco SOD and updates will be posted to the Capture Pro Download page at www.kodak.com/go/kcssystemoutputs

Features and Enhancements (15)

Alfresco SOD Configuration



The 'Alfresco Setup' window shows the 'Server' tab. It includes options for login (Windows or Alfresco account), fields for User Login and Password, Host Name, Port, and Atom URL format. A 'Test' button is present. Below, there is a 'Folder Name' field with a path and buttons for 'add subfolder...' and 'Delete Item'.

Alfresco Setup

Server Configuration

☐ Use Windows login and password

☒ Use Alfresco account

User Login:
jmacgregor

Password:
.....

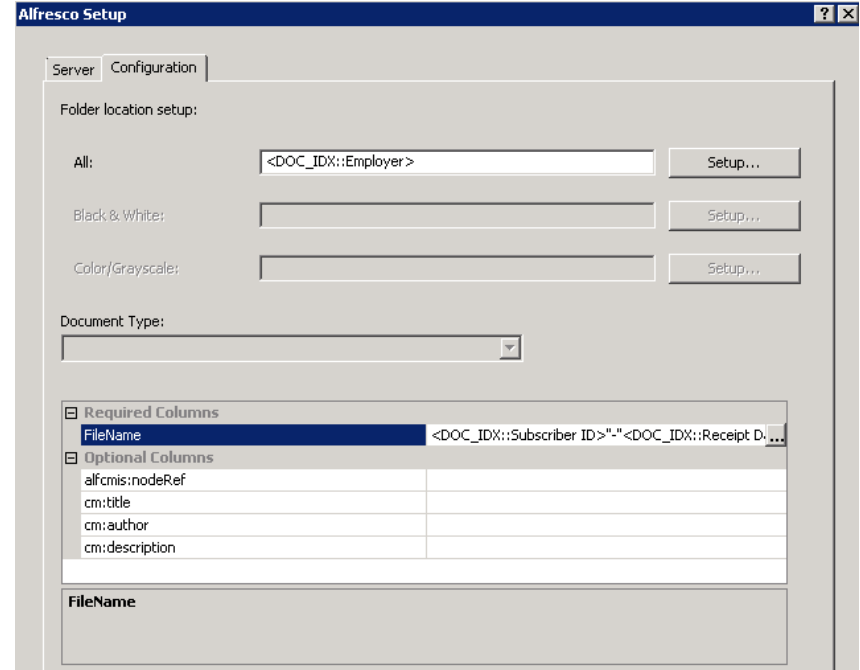
Host Name: kpd-wskcpftp Port: 8080

Atom URL format: http://<host>:<port>/alfresco/cmisaom

Test

Folder Name:
/Sites/kcpdocsite/documentLibrary

add subfolder... Delete Item



The 'Alfresco Setup' window shows the 'Configuration' tab. It includes 'Folder location setup' with 'All' and 'Black & White' fields, and 'Document Type' dropdown. Below is a table for 'Required Columns' and 'Optional Columns'. The 'Required Columns' table has two columns: 'FileName' and '<DOC_IDX::Subscriber ID>'-<DOC_IDX::Receipt D...'. The 'Optional Columns' table has four rows: 'alfcmis:nodeRef', 'cm:title', 'cm:author', and 'cm:description'.

Alfresco Setup

Server Configuration

Folder location setup:

All: <DOC_IDX::Employer> Setup...

Black & White: Setup...

Color/Grayscale: Setup...

Document Type:
[v]

Required Columns

FileName	<DOC_IDX::Subscriber ID>'-<DOC_IDX::Receipt D...
alfcmis:nodeRef	
cm:title	
cm:author	
cm:description	

Optional Columns

FileName

- Utilizes CMIS (Content Management Interoperability Standard) to interface to Alfresco
- Must specify a starting Folder where multi-page document image files will be output
- Document Types in Alfresco are not yet supported
- While index fields in Capture Pro cannot yet be assigned to metadata fields in Alfresco, they can be used for file naming and identifying/creating a sub-folder structure within the starting folder location

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Features and Enhancements (16)

Enhanced SharePoint Support

- SharePoint Index Setup Wizard certified with SharePoint 2013
- Support for third party “document libraries” such as **AvePoint** and **MetaLogix**
 - **Disabling the new option Show Document Libraries only will now allow these third-party document libraries to be accessible from the SharePoint Index Setup Wizard**

SharePoint Column	Column Type	Required	Input Format	Default Value	Create index	Status
Name	File	<input checked="" type="checkbox"/>	?<0>		<input checked="" type="checkbox"/>	
PO Number	Text	<input type="checkbox"/>	?<255>		<input checked="" type="checkbox"/>	

- **By default, the option will be enabled**
- Documents scanned into SharePoint 2010/2013 using Index Setup Wizard will now show up as the selected **Content Type**
 - **This is actually a bug fix in Version 4.5**

Features and Enhancements (17)

DB Lookup Improvements

- Partial wildcard searching
 - For example, if **Last Name** begins with **Sm**, the user can type in **“Sm*”** and get a sorted **Multiple Results** dialog with all database entries that match
- Case insensitivity
 - In Version 4.1 and earlier, DB Lookup is **case-sensitive**
 - For example, if a user typed in **“smith”**, the DB Lookup would fail if database entry contained **“Smith”**
 - Now in Version 4.5, DB Lookup is **case-insensitive**

Features and Enhancements (18)

Output Batch Statistics to an ODBC Database

- **New Batch Index File option**
 - Available for both File and System output
 - One database record per batch
 - Now statistics for all batches can be output to one central repository instead of being contained in separate files for each batch (e.g., XML)
 - Makes it much easier for a centralized scanning department or service bureau to create reports for billing, user productivity, etc...

Destination\File(1):PDF\Index:Index To ODBC Database

☒ Batch index file: Index To ODBC Database Options...

Location: <EXPORT_PATH>\\"

File name: <BATCH_NAME>".XML" Content...

Index To ODBC Database Setup

Select the Data Source and database table

Data Source name: Batch Statistics Browse...

Database table: C:\Data\Users\1242355\Kings Canyon\S... Refresh

Select the fields you want to send to ODBC database.

Batch Information	
Batch name	BatchName
Created date & time	CreateDate
Created station Name	CreateStation
Created user ID	CreateUser
Output date & time	OutputDate
Output station Name	OutputStation
Output user ID	OutputUser
First document ID	
Last document ID	
Document count in batch	BatchDocCount
Page count in batch	BatchPageCount
BTC_IDX: Box Number	

- **Must first identify the Content (i.e., which Batch statistics are to be output)**
- **Then you specify the ODBC Data Source, Database table, and field mapping to the statistics**

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Features and Enhancements (19)

Output Document Indexes to an ODBC Database

- New Document Index File option
 - Available for File (1) and File (2) output
 - One database record per document
 - Essentially a replacement for the ODBC SOD
 - Provides more file naming flexibility and database record content options

Document index file: ☒ Index To ODBC Database

Location: <EXPORT_PATH>"

File name: "INDEX.DAT"

Image index file: ☐ Text (delimited)

- Must first identify the Content (i.e., which Document information is to be output)
- Then you specify the ODBC Data Source, Database table, and field mapping to Document information

Index To ODBC Database Setup

Select the Data Source and database table

Data Source name: Patient Information

Database table: C:\Documents and Settings\All Users\Documents\My Recent Documents*.doc

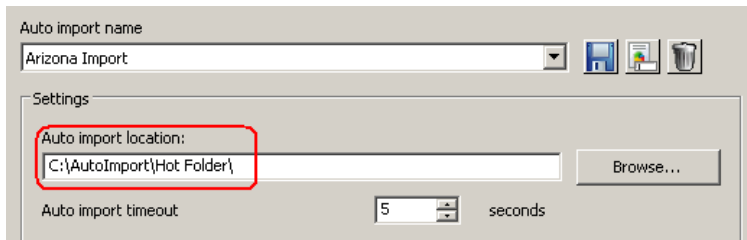
Select the fields you want to send to ODBC database.

Document Information	
Image count in document	
Document location	
DOC_IDX: Patient Name	PAT Name
DOC_IDX: Receipt Date	
DOC_IDX: Patient Address	
DOC_IDX: Employer	EMP
DOC_IDX: Insurance Plan	INS Plan
BTC_IDX: Job Name	

Features and Enhancements (20)

Auto Import Improvements

- Will now be able to import images dropped **directly into a Hot Folder**



- **You no longer need to have folders of images placed into the Hot Folder**
- **Better support for MFPs that cannot create sub-folders within a hot folder location**
- PDF Import will now better handle large PDF files (large in size and # of pages) and **Color PDF files that have a long width or length** (e.g., 30 to 50 inches)
 - **Import is now done using the image resolution of the imported PDF file instead of always importing at 300 DPI**
 - **“Cannot parse image” errors will be reduced**
 - **Size of resulting output files will be smaller and more comparable to the size of the PDF files being imported**
 - **Import image resolution can be forced to a specific setting in the ENV.INFO file**

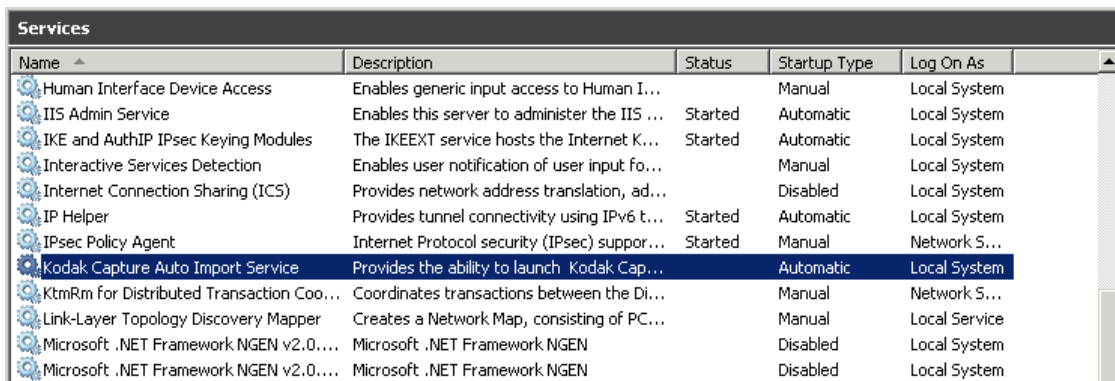
[AutoImportPDF2Image]
DPI = 100

Kodak

Features and Enhancements (21)

Auto Import Improvements (continued)

- Auto Import as a Service
 - On server operating systems, Auto Import can optionally be installed to run as a Service
 - Available for stand-alone or Network Edition installations
 - After installing and configuring the Auto Import setups, a separate installation program will install the Auto Import service
 - Download file will be located at www.kodak.com/go/CaptureProAIService and will be called CapProAIServiceSW_4_5_0.exe
 - By default the Kodak Capture Auto Import Service will be configured for Automatic startup and will have an initial status of Stopped.



Name	Description	Status	Startup Type	Log On As
Human Interface Device Access	Enables generic input access to Human I...		Manual	Local System
IIS Admin Service	Enables this server to administer the IIS ...	Started	Automatic	Local System
IKE and AuthIP IPsec Keying Modules	The IKEEXT service hosts the Internet K...	Started	Automatic	Local System
Interactive Services Detection	Enables user notification of user input fo...		Manual	Local System
Internet Connection Sharing (ICS)	Provides network address translation, ad...		Disabled	Local System
IP Helper	Provides tunnel connectivity using IPv6 t...	Started	Automatic	Local System
IPsec Policy Agent	Internet Protocol security (IPsec) suppor...	Started	Manual	Network S...
Kodak Capture Auto Import Service	Provides the ability to launch Kodak Cap...		Automatic	Local System
KtmRm for Distributed Transaction Co...	Coordinates transactions between the Di...		Manual	Network S...
Link-Layer Topology Discovery Mapper	Creates a Network Map, consisting of PC...		Manual	Local Service
Microsoft .NET Framework NGEN v2.0...	Microsoft .NET Framework NGEN		Disabled	Local System
Microsoft .NET Framework NGEN v2.0...	Microsoft .NET Framework NGEN		Disabled	Local System

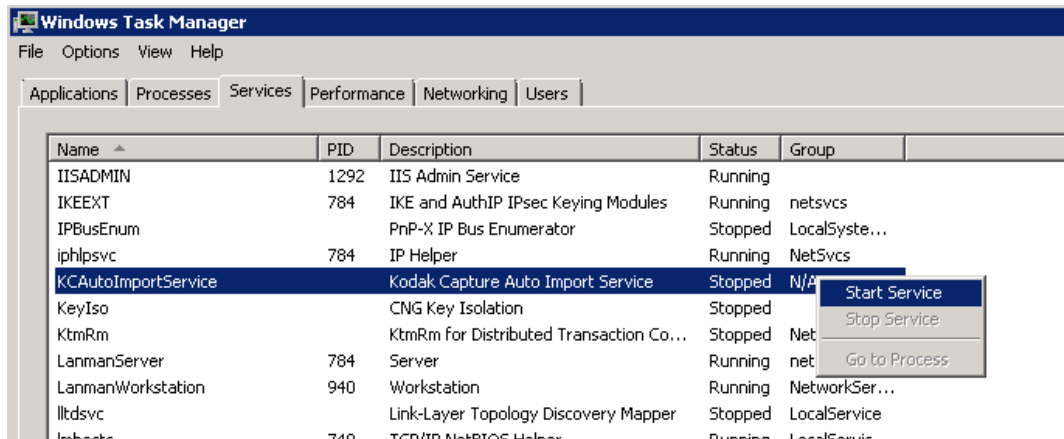
- The Kodak Capture Auto Import Service will automatically start polling hot folder locations when server OS is restarted or the server is rebooted.
- Reduces the need for manual intervention

Kodak

Features and Enhancements (22)

Auto Import Improvements (continued)

- Auto Import as a Service – Usage Notes (1)
 - It is Recommended for hot folders to reside on the server where the service is running. Otherwise, UNC locations will not be accessible unless **Everyone->Full Control** permissions are granted
 - If Auto Import is part of a multi-user installation (where the Job Setups are on a shared network location), the Auto Import Service will not automatically pick up Job Setup changes.
 - An Administrator must manually Stop and Restart the service

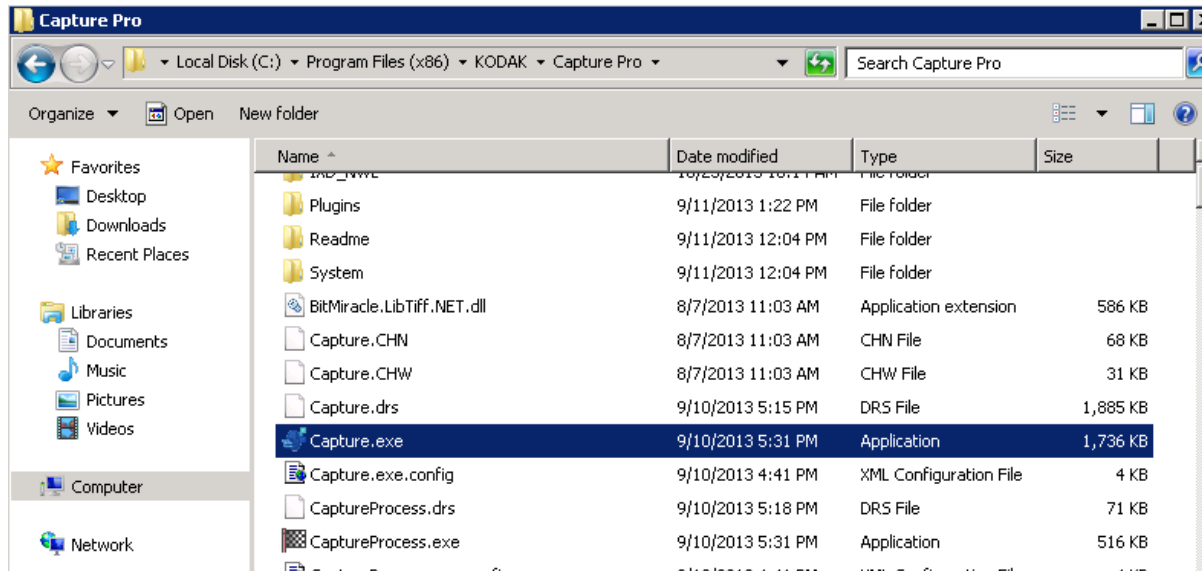


Kodak

Features and Enhancements (23)

Auto Import Improvements (continued)

- Auto Import as a Service – Usage Notes (2)
 - **To modify an Auto Import Setup or modify/add Job Setups on the server:**
 - 1) Stop the Kodak Capture Pro Auto Import Service
 - 2) **Manually launch Capture Pro Software.**

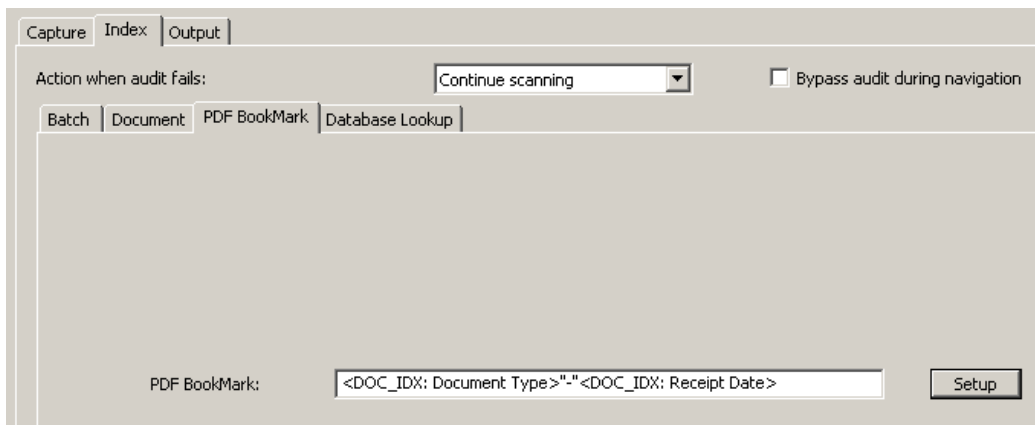
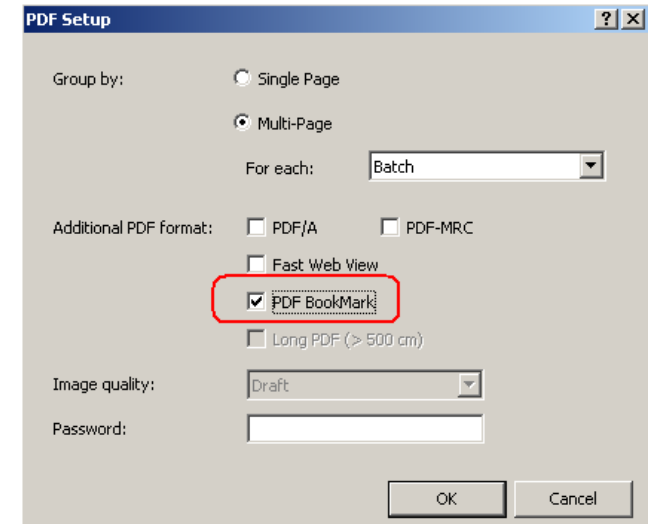


- 3) When updates are complete, shut down Capture Pro Software.
- 4) Manually start the **Kodak Capture Pro Auto Import Service** or **restart the server.**

Features and Enhancements (24)

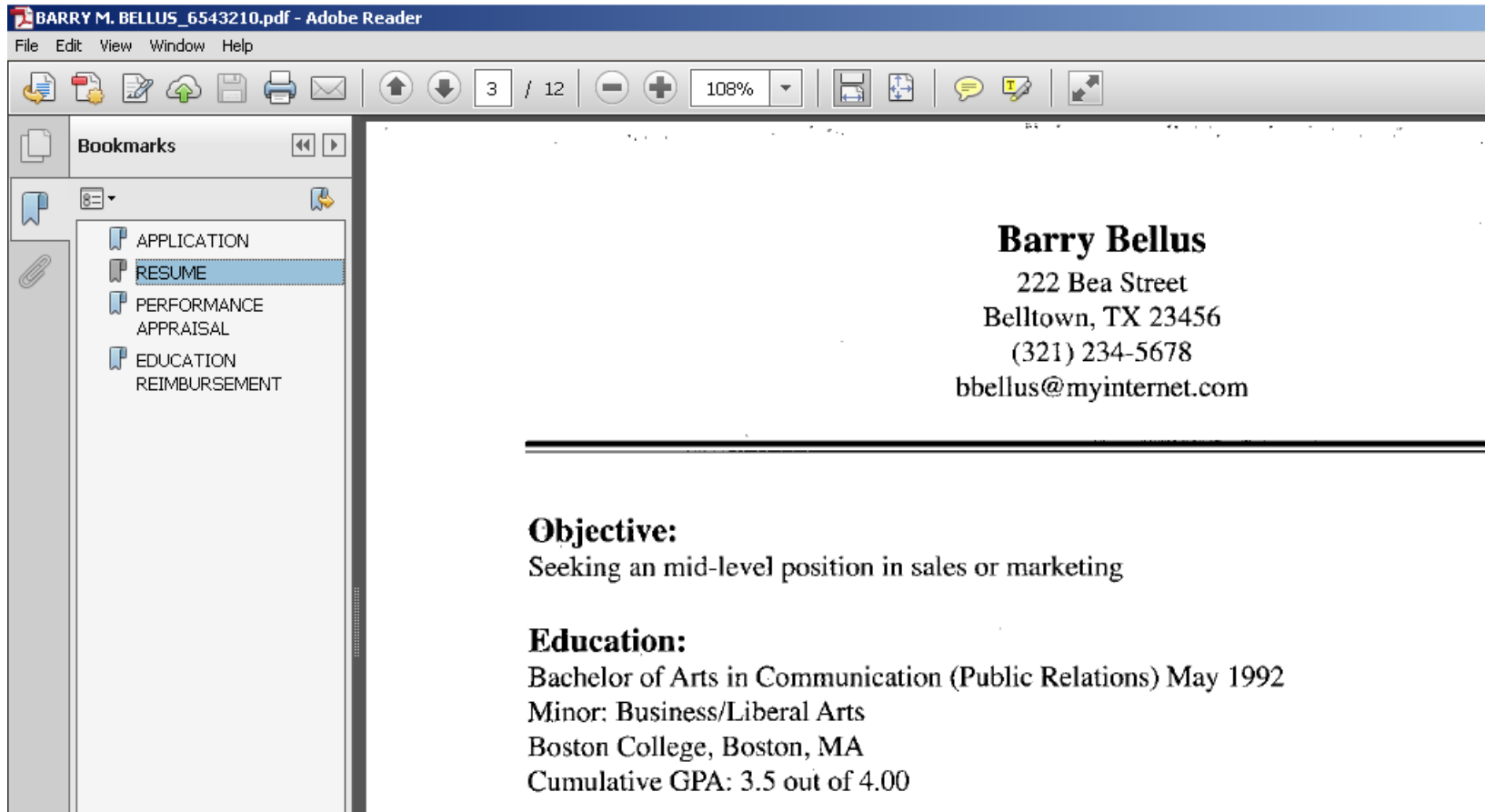
Bookmark Output PDF Files

- New PDF output option that is available when **Multi-Page by Batch** is enabled
- Bookmarks are at **Document** level, so the option can only be configured when multiple documents are being output to the **same PDF file**
 - Useful for file folder applications like an Employee file that may contain Job Application, Resume, Cover Letter, Performance Appraisal, etc..
 - All documents would be scanned into one batch and output to a single PDF file
- Bookmark content is configured from **Document Index fields**



Features and Enhancements (25)

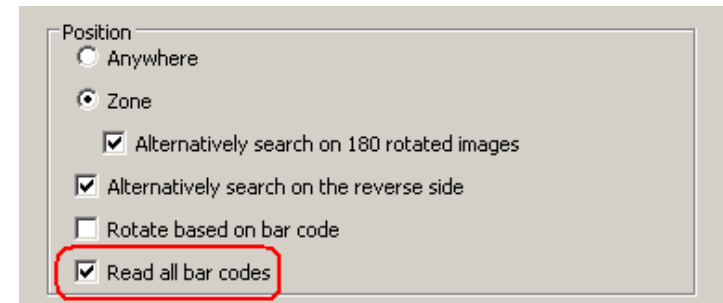
Bookmark Output PDF Files (An Example Output File)



Features and Enhancements (26)

Find All Bar Codes on a Page

- New Bar Code Zone Properties Option
 - Useful when there are multiple bar codes on a document (e.g., invoice numbers) that have the same syntax and therefore can not be identified using a bar code mask
 - Bar codes are read top to bottom, left to right
 - Bar code values are separated by an “^” character

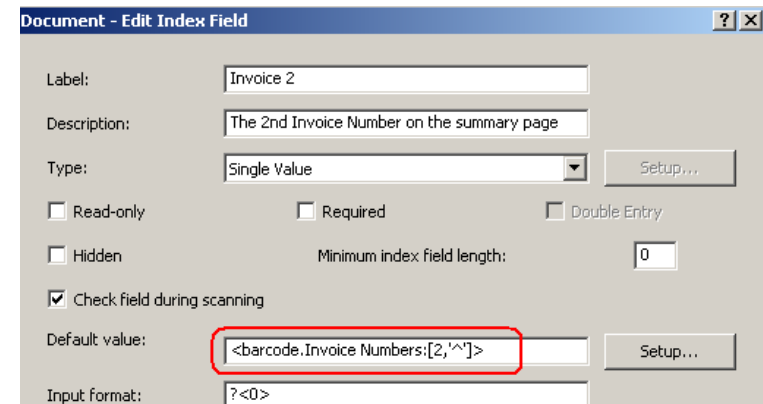


Barcode and OCR Values											
Label	Type	Confidence	Orientation	Value	Zone X	Zone Y	Zone Width	Zone Height			
Invoice Numbers	Barcode	70	0°	15531015120450^15531015490342^15531009580457	20	206	820	435		OK	

- Values can be substringed into separate index fields using the Default Value **Delimiter Syntax**
- The default delimiter (“^”) can be modified by an entry in the ENV.INFO file:

[General]

ReadAllBarcodeDelimiter = &

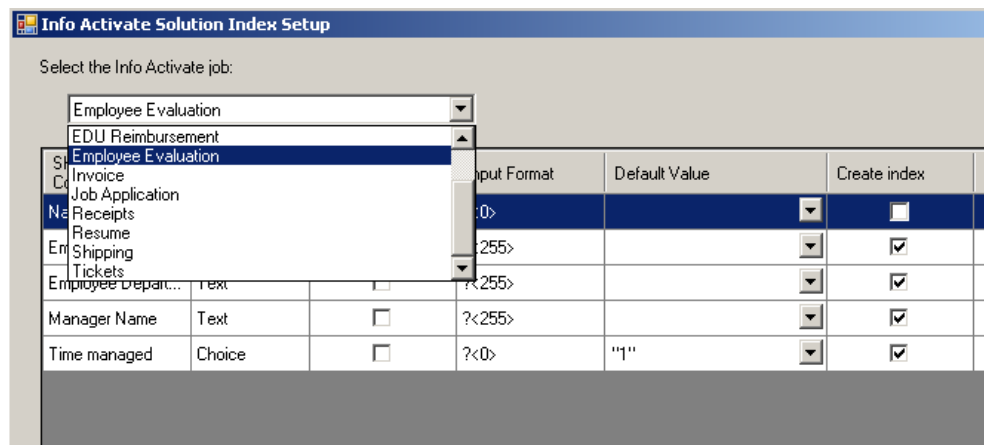
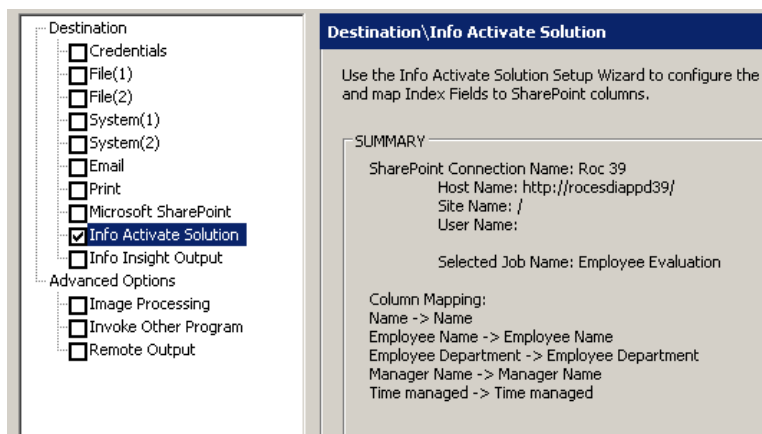


Kodak

Features and Enhancements (27)

Integration with Kodak InfoActivate Solution (KIAS)

- Similar to SharePoint Index Setup Wizard except that instead of specifying a SharePoint Document Library you specify the **KIAS Job** where Capture Pro will send the output



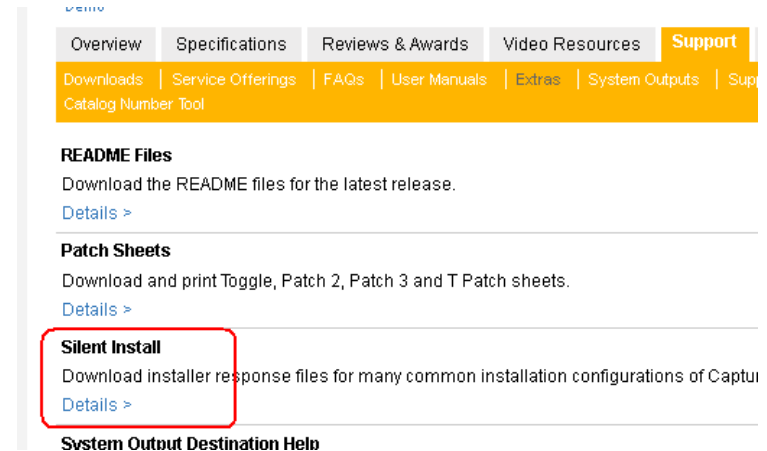
- Images and Index data from Capture Pro are introduced into the **InfoActivate Job workflow** as if they were coming from a KIAS client
 - Provides a batch scanning front end to the InfoActivate Solution
 - Allows customers to leverage Capture Pro features (e.g., zonal OCR, Mark Detection (OMR)) that are not available in Info Activate

Kodak

Features and Enhancements (28)

Silent Install Improvements

- Silent Installs can now be performed without requiring Internet access to the Kodak License Server and without requiring a Software Serial Number
 - **No license actually gets installed, but the software does!**
 - **A Software Serial Number value of “Silent without SSN” will trigger this type of silent installation**
- The benefit is that a company’s IT Department can push the software down and install it on all PCs using One ISS Script File
 - **New ISS script file samples are available for download from the Extras section on the Capture Pro download site**
 - **New script files have “NoSSN” in their file name**
- To license their installation, each PC will need to run the License Manager, enter their Software Serial Number and click on “Get License”
 - **OR Browse to a License Response File that contains the license for their Software Serial Number**



Problems Fixed - Standalone Workstations (1)

NOTE: Many of the following problem fix descriptions also apply to Client workstations that are running as part of a Network Edition installation

General Operation and Workflow API

- Set Counter and Set Image Address dialogs are always displayed when creating New Batch via workflow API command
- **Post-scan rotation (90° and 270°) is cutting off image edges**
- Going into and out of Indexing Mode is very slow when lots of Jobs are configured on the system. Creating new batches and logging out of the system will also be slow.
- **New Batch command in Workflow API is missing "Starting Document ID" parameter**
- Disabling the option "**New Batch After Output**" (**ENV.INFO** file) does not work if Job Setup is configured to "Automatically output when batch is closed"
- **Daily Counter Reset resets Batch Counter to starting value for first batch of the day for every job (Job level batch numbering is Disabled)**
 - **NOTE:** Daily Counter Reset is currently not supported in Network Edition. The problem above was only fixed for stand-alone workstations.

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

Problems Fixed (2)

Scanner Support

- "Failed to register scanner button event..." message will be displayed when attached to an i1800 Scanner and WIA service is not installed/enabled
 - **Must add the following entry to the ENV.INFO file:**
[General]
DoNoRegisterButtonEvent = 1
- **Print String Message Configuration is missing from Job Setup for i2900, i3200, i3400 scanners**
- **Visioneer Strobe XP 450 is on supported scanner list but comes up as not supported**
- **Panasonic scanners are generating uncompressed color images even though JPEG Quality setting is enabled in the driver**

Problems Fixed (3)

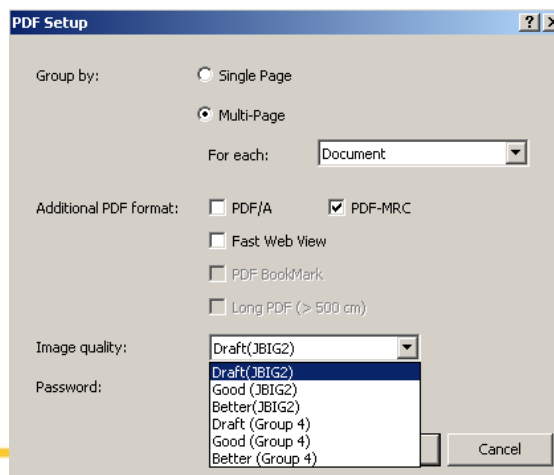
Output

- Duplicate file handling for Index files (File (1)/File (2)) is not working when "Add Sequence Number" option is enabled.
- **Output to Searchable PDF will fail on Server 2003/2008 when Terminal Services (or Remote Desktop Services) is enabled**
- Not all batches being processed when performing Output All on 20-30 batches. Affected batches stuck in "Processing".
- **Image Index File will have extra records in it when outputting "B&W only" and there are color/gray images in the batch**
- Everyone Group permissions is being assigned to output images files when network Folder does not have the Everyone Group permission
- **Document Sequence Number is not available for Image Stamping**

Problems Fixed (4)

Output (continued)

- Searchable PDF Output hanging on large color image - OCR Accuracy set to Positions 3, 4, or 5 – the new OCR engine in Version 4.5 has provided better results on difficult color images
- **Print Batch Cover Sheet not printing on certain laser printers - blank sheet being printed instead**
- ODBC SOD output will clear previous batch output if output of current batch to ODBC database fails
- **Character substitution occurring on images output using PDF-MRC (smaller fonts)**
 - Internal QA testing has revealed that character substitution (e.g., "S" replaces "5") may occur on documents with **black and white text in smaller fonts** (e.g., 8 pt Courier) when outputting to PDF-MRC (both B&W and Color).
 - Problem is with **JBIG2 compression algorithm** and in Version 4.1 and earlier, PDF-MRC in Capture Pro uses JBIG2 compression for B&W text.
- **PDF-MRC can be output without JBIG2 and provide file size benefit for color/grayscale images. File size won't be reduced for B&W images, however.**
- **In Version 4.5, there are more options for PDF-MRC output: JBIG2 vs. Group 4 compression for black and white text is now selectable.**



Problems Fixed (5)

Bar Code Support

- Customer's PDF-417 bar code is being mis-read (wrong value)
- **QR Bar Code Reading Improvements**
 - Large QR bar codes (larger than 2 inches square) are not reading in Capture Pro
 - Small QR codes are not reading in Capture Pro. Some of these QR codes were reading in a previous release of Capture Pro.
 - Not all QR codes are reading when placed on same page - larger in size (1.7 inches square)
- Missing character in read result from Data Matrix bar code
- **False Document separation occurring with Interleaved 2of5 bar code. Did not happen in Legacy Capture Software.**

Problems Fixed (6)

Indexing

- Last Value index is being assigned from last displayed document in the batch and not necessarily the last document in the batch
- Focus is lost during indexing mode when navigating to Next Document - can cause key data entry indexing errors
- Input Format and Keep Barcodes with Mask using Uppercase Characters fails with Accented Characters like: Ö Ä Ü Õ
- Input Format and Description for an index field do not display unless there is an error on the index field (problem was new to Version 4.0)
- Large ICON size for "Next Invalid" in Indexing Mode is incorrect
- There is no Hot Key for "Cancel and Exit Indexing" – In Version 4.5, the ESC key is now the Hot Key for cancelling out of Indexing Mode. Note: This is the same hot key that was used in legacy Capture Software.

Problems Fixed (7)

Auto Import

- Auto Import errors when importing multi-page files are causing unexpected Document or Batch Separation with first image being the "Auto Import Image Failed" placeholder image.
- **Auto Import of PDF fails to import short pages (less than 16 pixels in height)**
- Auto Import of LZW-Compressed images results in images that look corrupt

Problems Fixed – **Version 4.5.3** (1)

General Operation and Licensing

- Capture Pro will crash going into Job Setup if using Windows Extra Large font size (or Medium (125%) or higher setting on Windows 7)
- **"Save as PDF" post-scanning function is much slower in Version 4.x than in 3.1**
- Offline upgrade from Limited Edition to Pro fails due to "...Hardware ID + Software Serial Number mismatch..." error
- **License Manager - Replace License doesn't properly update the license file on the Capture Pro workstation – user must click "Get License" to complete the update**

Scanner Support

- Fujitsu 6750 not properly supported – Group E
- **Canon DR-G1100 was assigned to Group E instead of Group DX**

Problems Fixed – **Version 4.5.3** (2)

Output

- E-Mails to Outlook are sent with Low Priority - Prior to 4.1 they were sent with Normal Priority
- **Auto-Orientation is crashing Capture Pro on output with hole punched images - crash will also occur in post-scanning Intelligent QC**
- Searchable PDF output failing/crashing on large documents (e.g., 3000 to 4000 pages and/or over 100MB in size) - does not fail with Version 4.1
- **Index data to ODBC DB output has a limit of 4096 characters (Index Field names and values) that may cause output to fail if Job is configured with a lot of index fields**
 - **In Version 4.5, the limit was doubled to 8192 characters**
- TIFF Output with Digital Signature fails to output to a Network Location (mapped drive or UNC path)

Problems Fixed – **Version 4.5.3** (3)

Indexing

- Post-Scan Split Inherits Last Value Indexing from last document in the batch instead of the current document being split
- **Setting ENTER key to "Next Invalid" doesn't work when going into Indexing Mode during scanning**
- Index Fields with LAST VALUE default value are not getting populated during a Split Document - when a batch is closed and re-opened

Bar Code and Zonal OCR Support

- OCR Separation option “Only separate when change in value” does not work as expected in Version 4.5.0
- **Interleaved 2 of 5 bar codes may read incorrectly in Bar Code Zone Setup**
 - e.g., value may read as “17^17^17^17” instead of “17”
 - Problem only occurred in Job Setup and not during scanning

Problems Fixed – **Version 4.5.3** (4)

Auto Import

- Auto Orientation (via Intelligent QC) of very short PDF files during Auto Import causes Capture Pro to crash
 - In Version 4.5, images shorter than 1 inch in width or height will not go through Intelligent QC processing
 - This image size limit can be configured to a different value by adding the following entry to the ENV.INFO file (located in *C:\Program Files\Kodak\Capture Pro\System*):

[AutoImportPDF2Image]

DPI = 150

MinImageSizeX=1.5

MinImageSizeY=1.5

- The value specified (e.g., “1.5”) is in inches