

Kodak Capture Pro Version 5.4

Release Notes

Overview

Upgrading to Version 5.4

Additional and Changed Scanner Support

New Features, Enhancements, Improvements

- Ability to assign index data to the Properties of output PDF files
- Ability to assign the result of a Database Lookup Validation to an index field
- Intelligent Exception Processing on-the-fly during scanning for all Kodak Alaris scanners
- New API for Database Lookup
- New Document Import API
- New Generic OCR API enabling third party integration of other OCR engines

Review of Version 5.3 Feature – Intelligent Job Select

Problems Fixed

Upgrading to Version 5.4 (1)

Stand-Alone Installations

- The customer's **Capture Pro Software Serial Number** must be entitled to the 5.4 release
 - **The Entitlement Date (or Software Assurance Expiration Date) must be May 1, 2017 or later**
- To upgrade, download the installer (**CapProSW_5_4_0.exe**) file from www.kodakalaris.com/go/captureprodownload and run it.
 - **The installer will automatically upgrade an existing Capture Pro install to Version 5.4.0**
 - **An Internet connection is required during the upgrade as PLAS will generate a new 5.4.0 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 5.4.0	<u>KODAK ALARIS INTERNAL USE DI</u>	<u>59587b6cb78a57d3e5f58dec173947bfac89</u>		5700922057	Full	Jan 01, 2025		EBMX000004		Apr 10, 2017	<u>9573...13fb1</u>

Upgrading to Version 5.4 (2)

Network Edition Installations

- Both the NE Server and the NE Client workstations must be upgraded to Version 5.4 at the same time.
 - You cannot run a Version 5.3 client workstation with a Version 5.4 NE Server
 - You cannot run a Version 5.4 client workstation with a Version 5.3 NE Server
- To upgrade, download the installer files from www.kodakalaris.com/go/capturepronedownload and run them
 - IIS on the Network Edition Server must be STOPPED prior to the upgrade and RESTARTED after the upgrade

Additional Scanner Support

3rd Party Scanner Support Additions

Fujitsu SP-1120	Group A
Fujitsu SP-1125	Group A
Fujitsu SP-1130	Group A
Fujitsu fi-7030	Group A
Fujitsu fi-7460	Group C
Fujitsu fi-7480	Group D
IBML ImageTrac DS-1155	Group G
IBML ImageTrac DS-1210	Group G
Panasonic KV-S7077	Group C
Panasonic KV-S7097	Group D
Panasonic KV-S8127	Group E
Panasonic KV-S8147	Group E

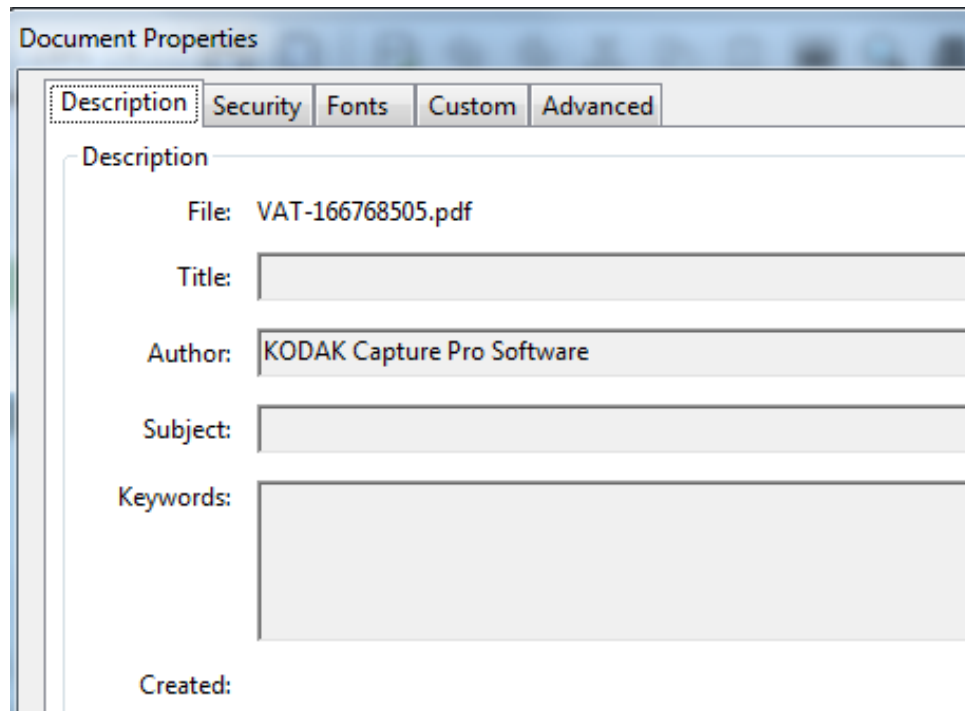
Complete list of supported scanners
can be found at:

www.kodakalaris.com/go/kcsscannersupport

New Features and Enhancements (1)

Assign Index Data to PDF Properties

- **Title, Author, Subject, and Keywords** can now be configured in Capture Pro Job Setup



The screenshot shows the 'Document Properties' dialog box with the 'Description' tab selected. The 'File' field contains 'VAT-166768505.pdf'. The 'Title' field is empty. The 'Author' field contains 'KODAK Capture Pro Software'. The 'Subject' field is empty. The 'Keywords' field is empty. The 'Created' field is empty.

Customer Benefit:

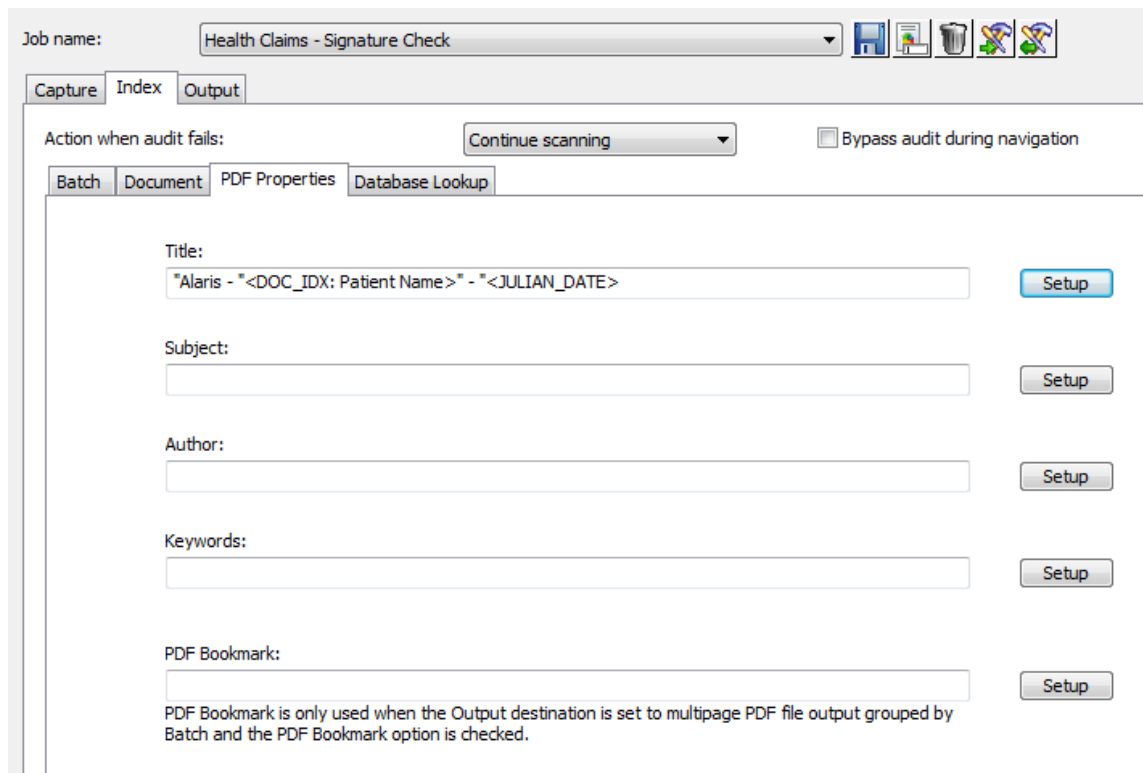
Enhanced searching of output PDF files.

For example, you can use Adobe Acrobat to search for all PDF files in a directory location that contains the specified criteria

New Features and Enhancements (2)

Assign Index Data to PDF Properties (continued)

- The **PDF Bookmark** tab has been replaced by **PDF Properties** and PDF bookmarks are now configured as part of PDF Properties



Job name: Health Claims - Signature Check

Capture Index Output

Action when audit fails: Continue scanning Bypass audit during navigation

Batch Document PDF Properties Database Lookup

Title:
*Alaris - "<DOC_IDX: Patient Name>" - "<JULIAN_DATE>" Setup

Subject:
Setup

Author:
Setup

Keywords:
Setup

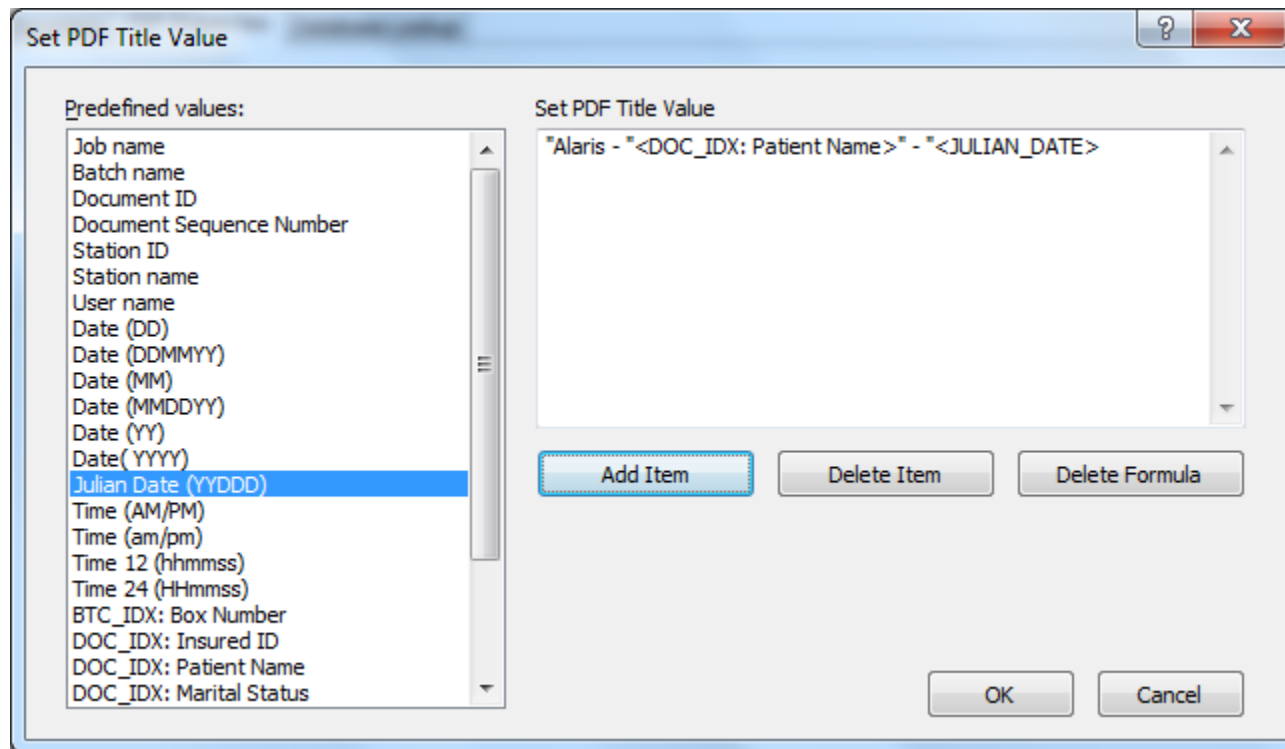
PDF Bookmark:
Setup

PDF Bookmark is only used when the Output destination is set to multipage PDF file output grouped by Batch and the PDF Bookmark option is checked.

New Features and Enhancements (3)

Assign Index Data to PDF Properties (continued)

- **Fixed Text, System Values, and Batch and Document Index** fields can be assigned



Limitation:
In Version 5.4
Arabic
characters and
data are not
supported

New Features and Enhancements (4)

Assign Result of Database B Lookup Validation to an Index Field

- New option in the Database Lookup Wizard

Database Lookup Wizard (Step 2 of 4)

How to do data lookup?

How do you want to do data lookup?

Validate index fields from Lookup results

Create a document index to store the validation result

Populate index fields from Lookup results

Select the index field and the table column to look up.

Lookup index field: DOC_IDX:Insured ID And

Lookup table column: INS ID

Select the fields you want to validate.

Batch	
Document	
Insured ID	INS ID
Patient Name	
Marital Status	

New Features and Enhancements (5)

Assign Result of DB Lookup Validation to an Index Field (continued)

- When enabled, Capture Pro will create a Document Index field called **DB_Validation**
 - Index field name can be renamed to a more meaningful name after it has been created
- Customers can now be notified based on Failure OR Success:
 - Failure Use Case: “Patient Record does not exist”
 - Success Use Case: “Person has already voted!”

Job name: Voter Registrations

Capture Index Output

Action when audit fails: Continue scanning

Batch Document PDF Properties Database Lookup

Indexes:

Name	Type	Default Value	Input Format	Output
Social Security Number	Single Value	<ocr.SSN>	?<0>	
Voter Name	Single Value		?<0>	
Marital Status	Single Value		?<0>	
Employment Status	Single Value		?<0>	
DB_Validation	Single Value		"False"	

Index

Batch Index

Document Index

Social Security Number	186-88-765
Voter Name	John Doe
Marital Status	Married
Employment Status	Part-time
DB_Validation	True

DB_Validation

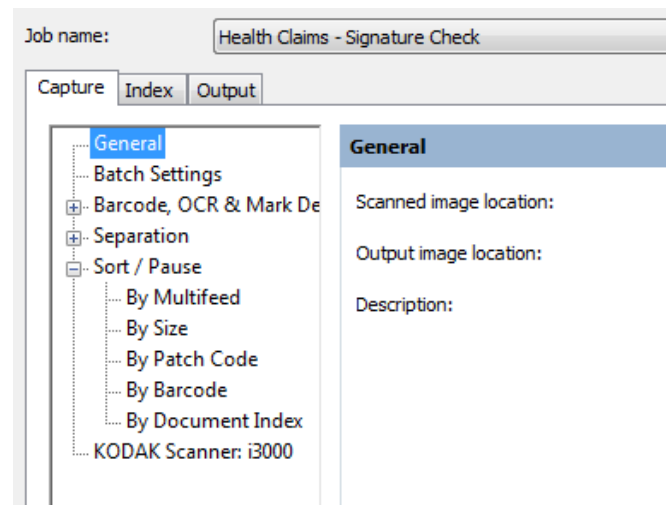
Error: The length of the value should not be less than 5.
Input Format: "False"
Description: Indication of whether person has already voted - if "True" please set aside and notify the Registrar

Use case where a positive result from a DB Lookup Validation is actually an error condition

New Features and Enhancements (6)

Intelligent Exception Processing

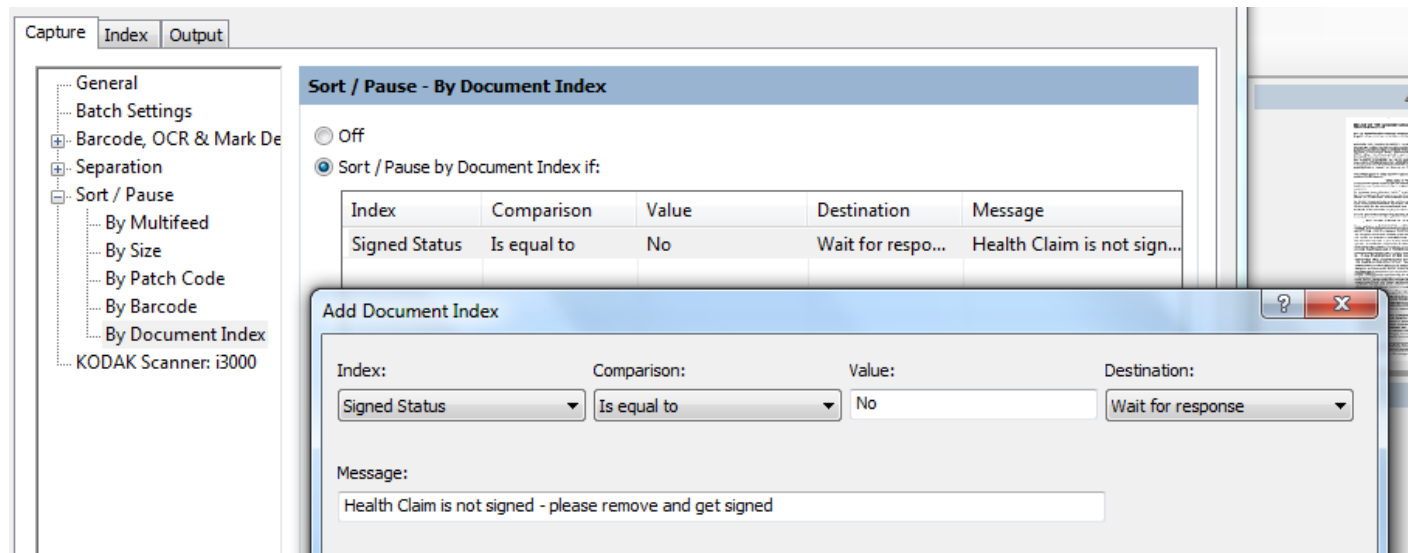
- Only available with Alaris scanners
- New **Sort / Pause** section of Job Setup
- Allows the customer to detect exceptions “on-the-fly” during scanning
- Use Cases
 - Missing signature or form not completely filled out
 - Wrong form scanned based on barcode or zonal OCR result
 - Duplicate record found while doing a Database Lookup (using the new **DB_Validation** index field!)
- **Customer Benefit:** Exceptions are detected immediately before any subsequent pages are scanned. This makes it easy to find the “Exception” document and handle accordingly.



New Features and Enhancements (7)

Intelligent Exception Processing - continued

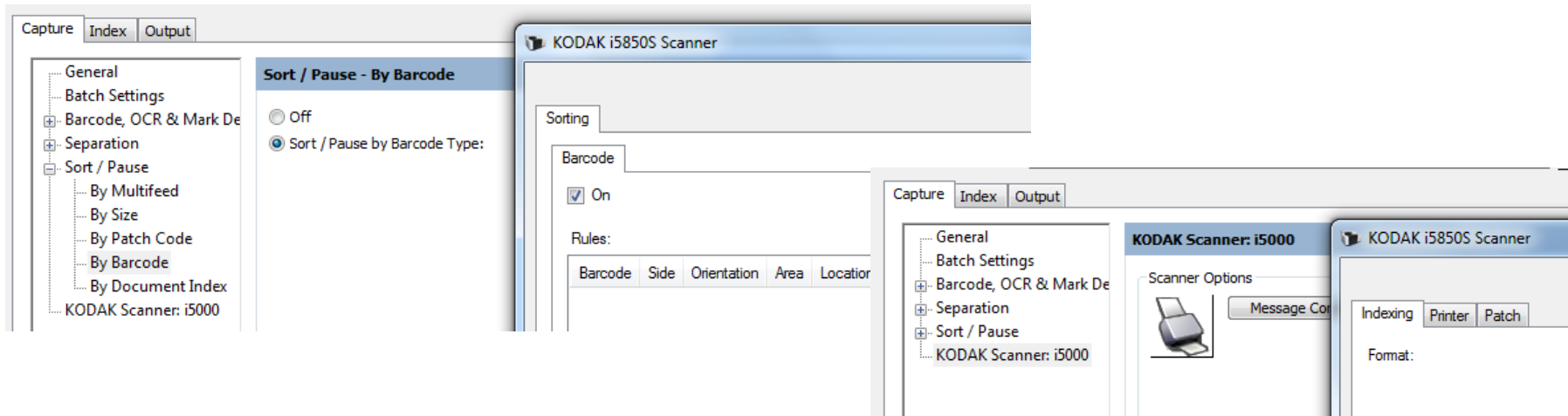
- When a sorting rule is defined, the scanner is started in “Page on Demand” mode
 - Page is scanned and inspected according to the sorting rule
 - If the sorting rule is not met (i.e., there is no Exception), scanning automatically continues with the next page
 - If the sorting rule is met (i.e., **an Exception occurs**), a customer-configured message is displayed and scanning will either:
 - **Pause and Continue** after the specified number of seconds
 - **Wait for a User Response**



New Features and Enhancements (8)

Intelligent Exception Processing - continued

- For i5x50S model scanners that can sort pages to different trays, the scanner sorting configuration is now done in the **Sort / Pause** section of Job Setup
 - Capture Pro will programmatically configure the sorting settings for **Size, Patch, and Multi-feed** using it's own user interface
 - Scanner **bar code sorting** will continue to be configured using the TWAIN GUI



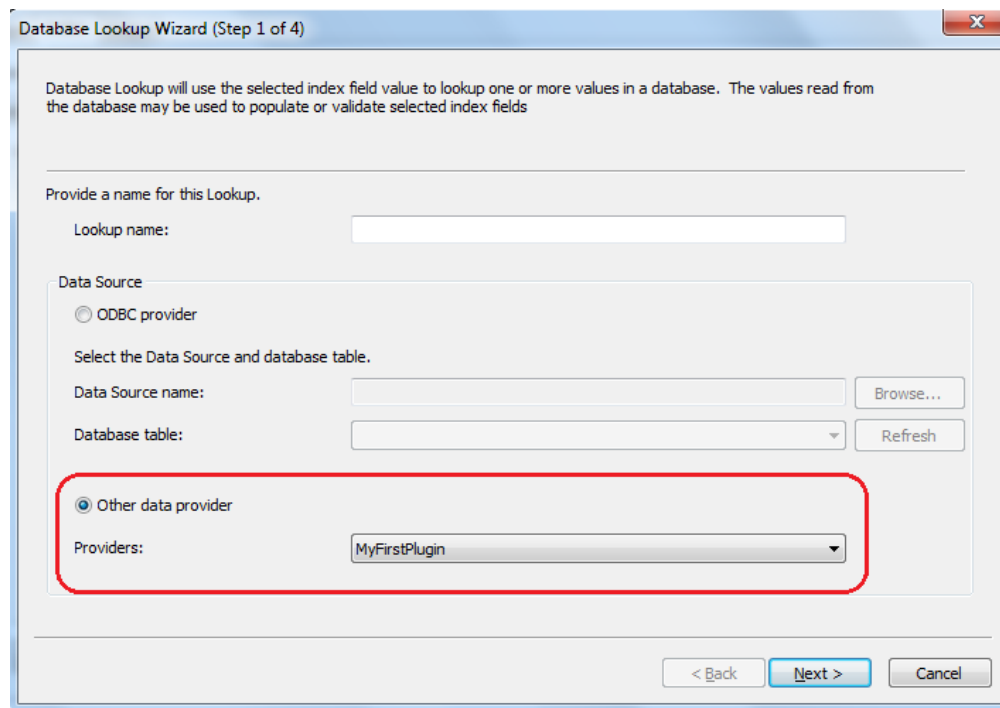
Sorting is no longer available in the **Scanner** section

- **Important:** Any Job Setups that were configured to do sorting with i5x50S scanners using Version 5.3, will **need to be re-configured** after upgrading to Version 5.4

New Features and Enhancements (9)

New API for Database Lookup

- Allows integrators to customize and extend the Database Lookup capabilities of Capture Pro Software.
- For example, perform DB Lookup via Web Services



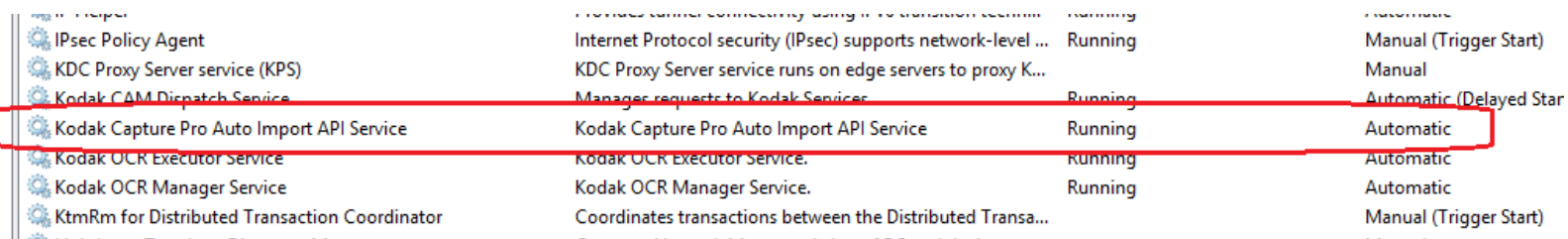
The screenshot shows a window titled "Database Lookup Wizard (Step 1 of 4)". The main text reads: "Database Lookup will use the selected index field value to lookup one or more values in a database. The values read from the database may be used to populate or validate selected index fields". Below this, there is a section "Provide a name for this Lookup." with a "Lookup name:" text box. The "Data Source" section has two radio buttons: "ODBC provider" (unselected) and "Other data provider" (selected). Under "Other data provider", there is a "Providers:" dropdown menu with "MyFirstPlugin" selected. There are also "Data Source name:" and "Database table:" fields with "Browse..." and "Refresh" buttons respectively. At the bottom, there are "< Back", "Next >", and "Cancel" buttons.

For more information regarding the Database Lookup API, please contact Alaris Service and Support or your local Alaris representative

New Features and Enhancements (10)

New Document Import API

- Allowing integrators to have more control over Auto Import processing.
- Both images and index data can be sent to Capture Pro Auto Import.
- After installing or upgrading to Version 5.4, the **Capture Pro Auto Import API Service** is automatically installed and configured for **“Automatic”**
 - Only useful and will only take up system resources when Capture Pro is configured for Auto Import
 - The customer can change the Service to **“Manual”** if not needed



Service Name	Description	Status	Startup Type
IPsec Policy Agent	Internet Protocol security (IPsec) supports network-level ...	Running	Manual (Trigger Start)
KDC Proxy Server service (KPS)	KDC Proxy Server service runs on edge servers to proxy K...	Running	Manual
Kodak CAM Dispatch Service	Manager requests to Kodak Services	Running	Automatic (Delayed Star
Kodak Capture Pro Auto Import API Service	Kodak Capture Pro Auto Import API Service	Running	Automatic
Kodak OCR Executor Service	Kodak OCR Executor Service.	Running	Automatic
Kodak OCR Manager Service	Kodak OCR Manager Service.	Running	Automatic
KtmRm for Distributed Transaction Coordinator	Coordinates transactions between the Distributed Transa...	Running	Manual (Trigger Start)

For more information regarding the Document Import API, please contact Alaris Service and Support or your local Alaris representative

New Features and Enhancements (11)

New Generic OCR API

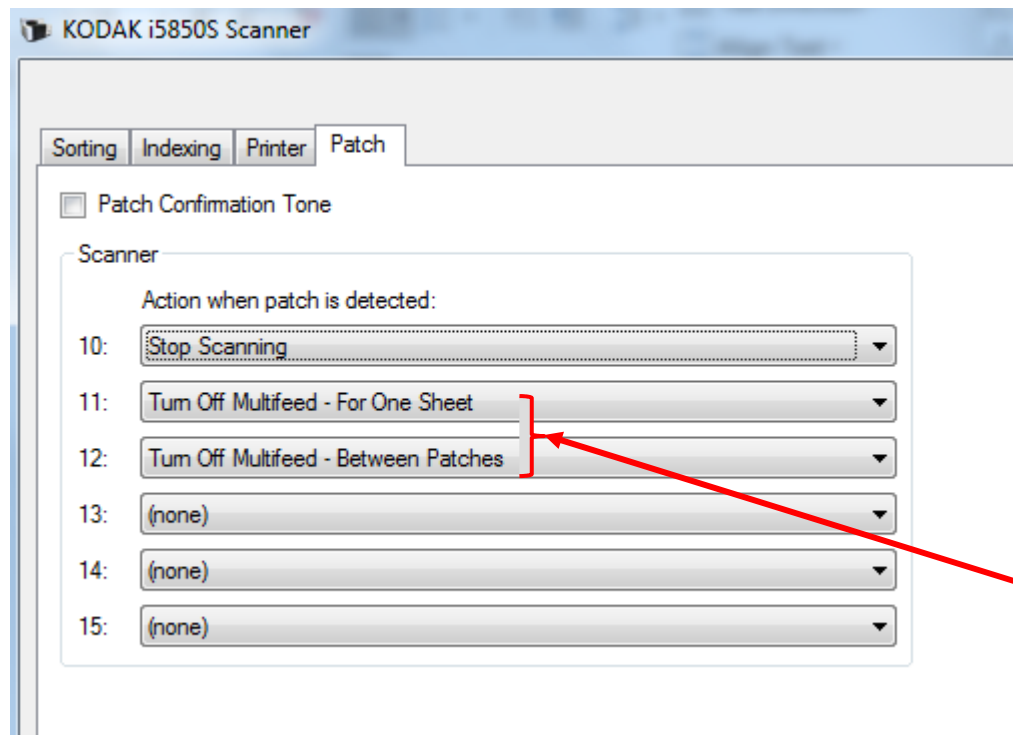
- Enables third party integration of other OCR engines into Capture Pro Software
- Useful for integrating OCR engines in locales that are either not supported by Capture Pro Software (e.g., Vietnamese) or where a local OCR engine can provide better results
- Requires integrator (or Alaris – via Professional Services) to build a “connector” for the OCR engine
 - If the OCR engine does not support some of the capabilities that are currently provided by the Nuance engine, then those features will be disabled or grayed out in Capture Pro Job Setup:
 - For example, PDF/A-2a or OMR/Mark Sense indexing

For more information regarding the Generic OCR API, please contact Alaris Service and Support or your local Alaris representative

Version 5.3 Feature Review (1)

Intelligent Job Select for i5x50 Scanners

- Provides the ability for Capture Pro to automatically switch Job Setups or Page Setups without any operator intervention
- Utilizes the i5x50 Scanner's Feature Patch (Patch Codes 10-15) capability

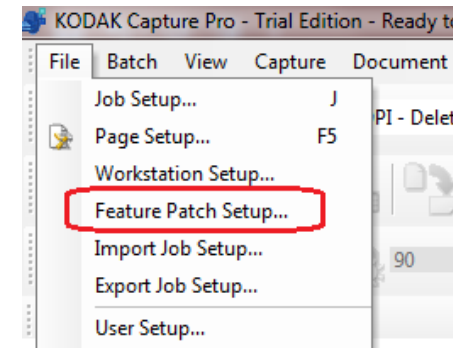


- TWAIN driver GUI configuration is shown here – accessible in Job Setup in Capture Pro
- Capture Pro provides its **own configuration GUI** for one of the Feature Patch Types (i.e., 10-15)
- **Stop Scanning** will be programmatically enabled for the Feature Patch type specified (see next slide)
- The other Feature Patch actions may be configured in **Job Setup** using a different Patch Type than the one specified in Capture Pro


Version 5.3 Feature Review (2)

Intelligent Job Select for i5x50 Scanners (cont..)

- Enabled in new menu option from the main screen
 - If attached scanner does not support Feature Patch then option will be grayed out



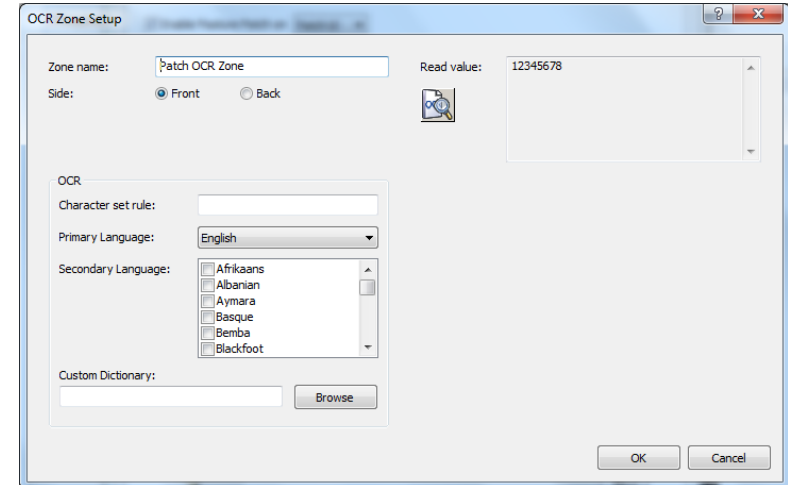
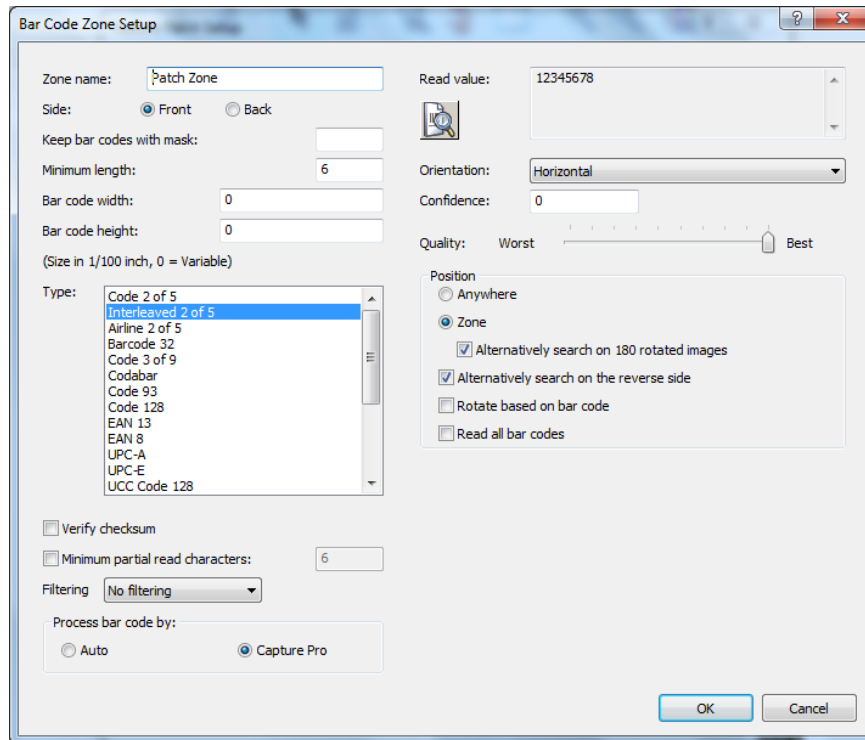
Configuration Steps

- 1) **Select the Feature Patch Type** – only one patch type can be used per workstation
- 2) **Scan a sample page**  and name the file
- 3) **Draw a bar code or OCR zone** where the Page Setup/Job Setup information will be placed on the Feature Patch sheets – only one zone can be defined
- 4) **Configure the bar code/OCR zone** as necessary (see next slide)
- 5) **Define the rules for switching Job Setups and Page Setups** when a Feature Patch is detected (see slide after next)

Version 5.3 Feature Review (3)

Intelligent Job Select for i5x50 Scanners (continued)

- **Configuring the bar code/OCR zone**



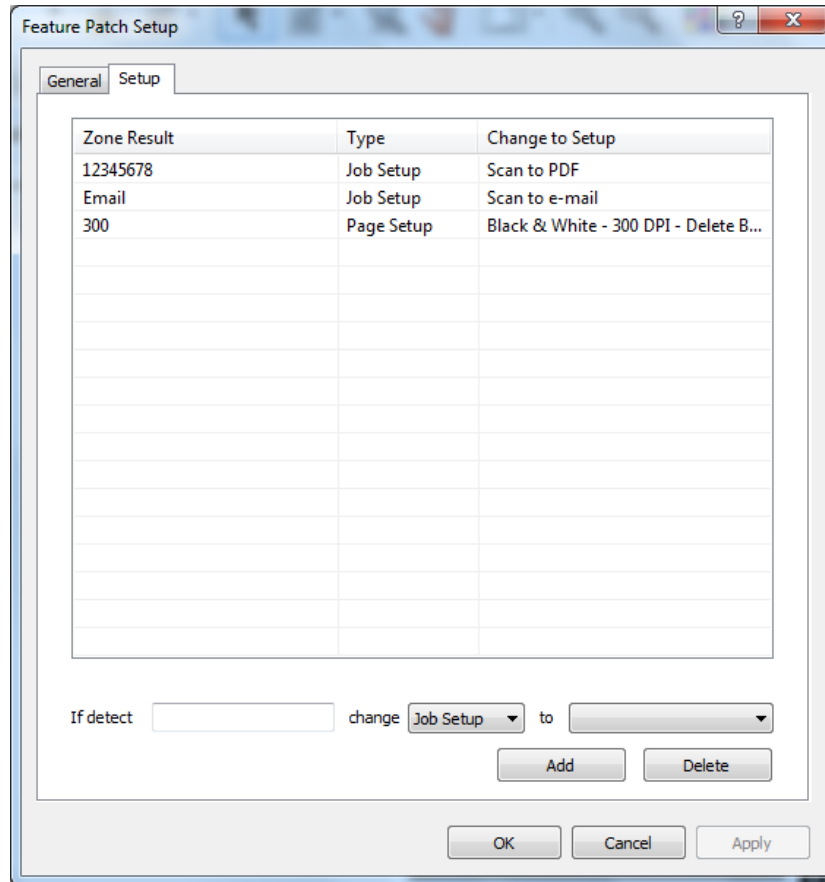
Notes:

- **Only 1 zone can be defined (either bar code or OCR)**
- **Zone setup is similar to regular bar code and OCR zone setup but with less options (e.g., separation settings are not present)**

Version 5.3 Feature Review (4)

Intelligent Job Select for i5x50 Scanners (continued)

- Defining the Rules for switching Job Setups and Page Setups



Notes:

- Enter **Value** (from bar code or OCR read results) and **Setup Name pairs** for each Job Setup and Page Setup that will be used
- Each Feature Patch sheet created must have the bar code or OCR text data in the same location as defined by the zone that was created
- There is no limit to the number of Feature Patch rules that can be defined

Version 5.3 Feature Review (5)

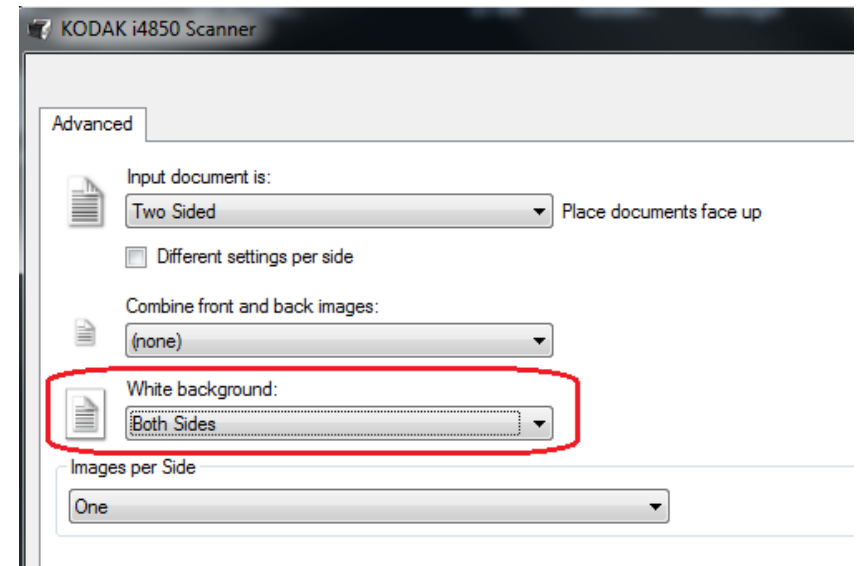
Intelligent Job Select for i5x50 Scanners (continued)

- So what happens during scanning?
 1. Scanner detects configured Feature Patch Type and **Stops**
 2. Feature Patch page images are delivered to Capture Pro along with the Patch Type detected
 3. Capture Pro reads the bar code/OCR data on the Feature Patch sheet and if a **Value and Setup Name pair** match is found:
 - Change to the new Page Setup and automatically restarts the scanner **OR**
 - Close the current batch, create a new batch in the new Job Setup, and automatically restarts the scanner (using the default Page Setup for the Job)
 4. Feature Patch images are deleted by Capture Pro and are not displayed or stored as part of the batch
 5. If a Value and Setup Name pair match is NOT found then the Feature Patch page images are stored in the batch and the scanner remains stopped

Version 5.3 Better Together Features – Review (6)

Intelligent Job Select for i5x50 Scanners (continued)

- **Sample Use Case**
 - Customer has a document set that contains some very thin or transparent documents where bleed through could impact the image quality
 - Customer creates a Page Setup that enables the White Background option of the i4850 Scanner
 - A Feature Patch sheet is inserted before and after the transparent documents
- **Benefit**
 - Customer avoids the hassle of having to manually stop scanning and switching scanner settings (i.e., Page Setup) when the transparent documents need to be scanned

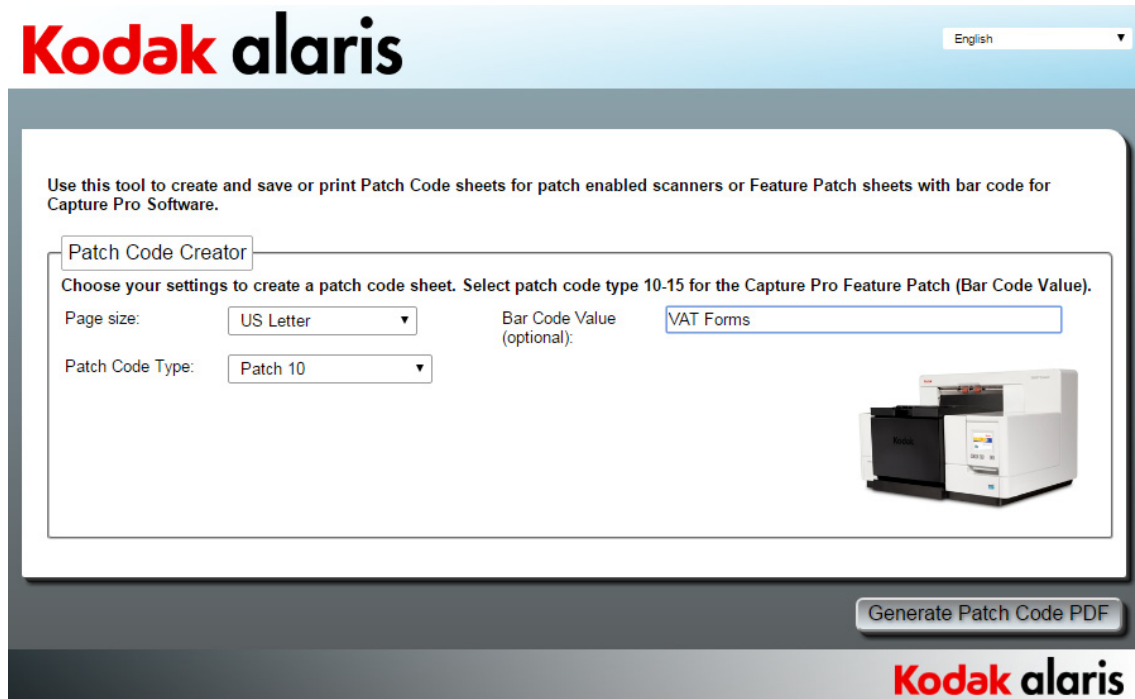


Version 5.3 Better Together Features – Review (7)

Intelligent Job Select for i5x50 Scanners (continued)

- **How Can I Create Feature Patch Sheets?**
 - A new website is now available where customers can create their own Feature Patch sheets

<https://PatchCode.KodakAlaris.com>

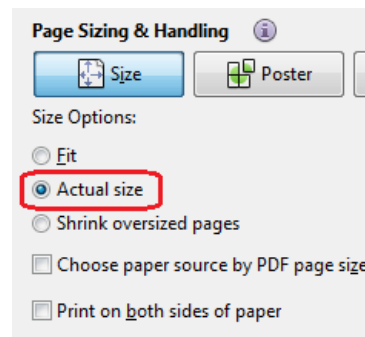


The screenshot shows the 'Patch Code Creator' web interface. At the top, the 'Kodak alaris' logo is displayed in red and black, with a language dropdown menu set to 'English'. Below the logo, a text box instructs users: 'Use this tool to create and save or print Patch Code sheets for patch enabled scanners or Feature Patch sheets with bar code for Capture Pro Software.' The main form area is titled 'Patch Code Creator' and contains the following fields: 'Page size:' with a dropdown menu set to 'US Letter'; 'Patch Code Type:' with a dropdown menu set to 'Patch 10'; 'Bar Code Value (optional):' with a text input field containing 'VAT Forms'. To the right of the form is an image of a Kodak i5x50 scanner. At the bottom right of the form area is a button labeled 'Generate Patch Code PDF'. The 'Kodak alaris' logo is also present in the bottom right corner of the page.

Version 5.3 Better Together Features – Review (8)

Intelligent Job Select for i5x50 Scanners (continued)

- **How Can I Create Feature Patch Sheets?**
 - A QR barcode will be generated that can contain the Job Setup/Page Setup information used by Capture Pro to automatically switch Job Setups or Page Setups without operator intervention
- Feature Patch sheets must be printed in “Actual Size” to ensure that the scanner will recognize the patch code and that Capture Pro will recognize the QR code



Problems Fixed (1)

General Operation and Indexing

- **Capture.exe process may still be running after exiting the software**
 - Problem was known to occur when running with custom plug-ins developed using the Capture Pro APIs
- **“Batch already exists” error when using Daily Counter Reset, System Level batch numbering, and Quick Start View**
 - Disabling the Quick Start View as a workaround is no longer needed
- **After deleting documents from the Batch Explorer with an index field defined for Last Value, the index field value is not retained when the deleted documents are rescanned**

Problems Fixed (2)

General Operation and Indexing (continued)

- **Point-and-Click OCR intermittently repeats same index data from previous document that has been indexed**
- **Capture Pro freezing or hanging during scanning or Auto Import when processing QR bar codes**
 - PC has run out of memory due to memory leak in bar code engine
 - Updated bar code engine in Version 5.3 and 5.4 has resolved the problem

Output

- **Incorrect color and bitonal image counts when outputting Capture 6.x index files**
 - Scanning a mixed batch of color and bitonal images with separate outputs results in incorrect Capture Software 6.x index files
 - Output index files now have accurate counts

Problems Fixed (3)

Registration

- **User not receiving their Registration ID after filling out the registration form**
 - Occurred with both Trial and Production Capture Pro registrations
 - After getting “Thank You” message, either a long delay (over 30 seconds) occurred or the Registration ID screen would not display
 - Occurred more frequently on the non-English language registration screens
 - Registration problems have now been resolved

Installation

- **Silently un-installing Capture Pro was not working and has been fixed**

Problems Fixed (4)

Auto Import

- **Auto Import intermittently stops monitoring Hot Folders when importing images scanned from MFP devices**
 - Auto Import Service had to be restarted or Capture Pro had to be exited and restarted in order to recover
 - Problem was caused by temporary files being written by MFP devices into the Hot Folder and then removed
- **The entire Auto Import folder name is not being assigned to an index field when the folder name includes a period**
 - Only the characters before the period (.) character were being assigned to the index field
- **Unable to import PDF file created by ScanMate+ mobile app**

Problems Fixed (5)

Network Edition

- **“Server Busy” messages occurring much more frequently in 5.x releases**
 - User will no longer have to repeatedly acknowledge “Server Busy” messages that could occur when creating a new batch or when editing a Job or Page Setup
 - Progress messages are now displayed to the user (e.g., “Synchronizing Setups”) that do not have to be acknowledged
- **Scanner Settings changes are not being synchronized with the NE Server for some of the Alaris scanner models being used**
 - "Failed to Update workstation setup ... A more recent version of setup ... Exists on Server" messages would occur when attempting to save a Page Setup with updated scanner settings
 - Problem was caused by the ISIS driver for the Alaris scanner not being installed
- **Running Setups tool from NE Dashboard will delete the selected Setup files but does not update NESUpdates.XML**
 - Problem will cause Setups synchronization to fail on all workstations
 - Problem has been fixed by preventing user without proper Admin rights from being able to run the Setups tools from the NE Dashboard

Problems Fixed (6)

Network Edition (continued)

- Deleted scanner settings profiles are reappearing back on the NE Client workstation that originally deleted them
- Not able to restore the default Scanner Settings Profiles (e.g., **Black and White Perfect Page Document**) that come with an Alaris scanner after they have been deleted