



**PSIGEN PSI:Capture 4.0 New Features and
Enhancements**
Up through 4.0.2.36

7/19/2011

New Features and Enhancements (Total of 239)

- Allow page selection when replacing page from file
- Add CreatedBy to Batch and allow it to be displayed in Batch fields in reporting
- Add the ability to do image processing on a zone defined image segment
- When using Template Addins to create Document Type, add ability to create Migration instance back to source product
- Add ability to output All OCR files or select certain OCR Workflow positions/tags to migrate during Migration
- Add single page storage/naming options and the ability to custom name single page image files in all applicable Migrations that don't currently have these settings.
- Allow user to specify specific fields to display in Lookup results dialog
- Warn user when opening batch that requires OCR module (Zone OCR, OCR Indexing, etc.) when it is not licensed
- Change Migration Exceptions processing settings to display steps of workflow for current document type
- On Close Batch dialog, use custom workflow step name on Continue option
- Added tracking of failed database lookups to Statistics and Reporting
- Add ability to define Custom Flags where user can enter a custom flag name and icon color
- For Sticky fields, allow subset of field to be sticky instead of the whole field
- Add new options to Expected Count Validation to allow for greater than/less than validation instead of just equals
- Add option to remove the last page of every document to migrations.
- Add new Document/Folder Separation type called "Separate on changed zone OCR match value"
- When running a second subsequent OCR or Migration module instance in a workflow, do not prompt the user to confirm they want to Re-Migrate, or Re-OCR the documents.
- Clear all storage locations when importing a document type.
- Finish zone processing implementation for RecoStar engine.
- When storing zone results against the page, store each recognition type separately, so that one zone can generate data for OCR, ICR, OMR etc, and have it all be maintained.
- Support OCR Confidence Levels down to the zone level
- Provide an option to use binarize functions from Image Processing during full text OCR, to correct issues where the OCR engines internal binarization fails.
- Add an option to process a zone against the last page of the template, rather than a fixed page number.

- Add an option to process a zone against the first page of the template, with additional options to skip the folder separator page or document separator page.
- Add a delete selected zones toolbar button to Zone configuration dialog.
- Add hotkeys for the toolbar tools on the Zone/Form Configuration dialog.
- Add TLS/SSL support in all mail features
- Improve UI and tools for entering, managing and testing Regular Expressions
- Add modified date/time to document types, and add to the configuration display.
- Implement ability to group Document Types so they can be organized hierarchically in Document Type lists
- Lookups to SharePoint return formatted values consisting of an identifier and a display value, as well as multiple value lists. Modify the lookup provider to check for and return these values in a usable format.
- Add language selection to features that use Page level OCR
- Expand the multi-record creation to include regular expressions that can trigger record creation
- Allow Auto Indexing to be canceled
- Enable multithreading for image processing.
- Show warning message that Lookups should be reviewed on imported Document Type
- Add barcode previewing to the Zone Configuration form, for use when defining anchors.
- When running QA Auto Processing, the progress bar only displays QA Auto Process Commands as its counter rather than pages
- When using Data File Import any images that fail to import will abort processing of the entire file.
- Add new scripting hooks to indexing to allow scripts to run at additional processing landmarks.
- Regular Expression Library changes are not updated across fields that use that expression
- Make main Configuration dialog larger to accommodate more information.
- Add the ability to specify inclusion or exclusion file types for the auto import process
- Allow double clicking on a failed AutoImport directory to view the error that caused it to be disabled
- Improve interaction with the workflow module custom naming settings
- Process images in temp folder before moving to final migration folder
- Add ability to specify file extensions on a per directory basis to AutoImport
- Ability to NOT run zone OCR on an OCR based zone on if field is populated
- Add Batch, Folder, and Document objects to lookup scripting
- Complete support for multi-lingual OCR (Full Text, Page, and Zones)
- Improve parallel processing across product
- Add support for ICR zone processing
- When opening a new Viewer instance in Capture module, Tile all Viewers horizontally like in QA and Index modules.

- Add keyboard shortcuts on the zone configuration form to the respective toolbar item tooltips
- Automate upgrade of scripts from previous product versions
- Improve object model used for scripting and extensions
- Allow lookup fields that are not Key/Return fields to be configured for Browse Records display.
- Modify UI for regex configuration in Indexing
- Name sorting in PSI:Capture is different than windows
- Move Document Type tab on Configuration to top of the list (default selection)
- Attempt to Auto Process Batch through Workflow enabled by default
- Add ICR functionality to everywhere OCR is
- Allow editing of existing auto import monitored paths
- Regular Expressions library expression changes
- Add a Windows Firewall exception for capture services during installation
- On processes that take more then few seconds to complete, either show Please Wait dialog or change cursor
- Implement ability to save Document Type when modifying existing without going to last step of Document Type wizard
- When selecting Document Type in Capture module that has Data File Indexing enabled, set File Browser filter to Data File extensions instead of Image extensions
- Prompt user to register when they have an existing license that is updated to support 4.0
- Tab Order when entering text for sub-zones change
- Go to next workflow step kicks off workflow function
- Add ADE integration to OCR Assisted indexing to enable selection of a subset of each selected word
- Add support for Excel 2007 file format in locations where we allow exporting of data to Excel (Reporting,Security)
- Double click to edit users and settings within security module
- Add ability to run Character Filtering and ADE on Rubberband OCR/ICR results
- Copy zone directly below original zone within configuration
- Add a setting to enable OCR Assisted indexing to be toggled between using ADE to filter expressions and the 3.6 behavior
- Allow regular expression based validation and extraction against index field values when they are assigned
- Allow Output of images as PDF(Image Only) in migrations
- Add ability to create Global list of pre-written notes and select from list when creating note
- Add option to perform Color Detection on color/grayscale images when capturing and save image as b/w if it contains no color
- Add ability to toggle automatic zoom to zone for zone ocr fields in modules using this feature.
- Add ability to preview Lookup results on Lookup Configuration dialog

- Allow OCR workflow steps to add a tag to that step for use in Migrations when outputting OCR files
- Allow output of alternate image files stored in Alternate Pages during all Migrations
- Add ability for an index field to be populated from other index fields and constants (like custom document naming in migrations)
- Create a Document Type Template Addin that reads Ricoh Camera field names from jpeg image
- Add ability to copy and paste images within a batch, including pasting to multiple flagged locations
- Add ability to copy index field values from one Document/Folder to another
- Add support for color dropout including storing the drop out image as an alternate page file.
- Support anchoring on alternate page files.
- Add email alerts to license server when counter values cross certain thresholds.
- Store counter usage statistics on license server, and show graphing over time via the management UI.
- Add RecordType support on data records to allow grouping of document fields, and display/hide of field groups based on the RecordType assigned to the current active data record
- Make batch paths updatable in batch manager (administrators only, search and replace on path, possibly using regex with preview of changes)
- Add an option to disable the field information tooltip
- Add folder separation on blank pages.
- Capture module should check for document type updates for the existing document type just prior to creating a batch.
- Add a setting that toggles the default double click behavior in the batch manager module between View Information and Open Batch, with the default being View Information.
- Add new QA Auto Processing run options to commands where applicable. Also review existing command options that are similar and merge with these if possible.
- Add ability to generate Bookmarks in PDFs.
- Add options to the zone definition for creating zones that are relative to the page size instead of user defined: Full page, Top Half, Bottom Half, Left Half, Right Half, Quadrant 1/2/3/4 etc.
- Create a Thumbnail Ribbon that displays images as they are captured
- Add various image viewing options during capture to Capture module
- Change default Import File types filter to ''All Supported Image Types'
- Allow Document Types to be grouped into user defined categories
- When QA Auto Processing is enabled, highlight the QA Auto Processing tab on QA Settings dialog
- Add ability to Double Click row to edit items in Configuration grids

- Add support for Redaction to White and White w/Border in Manual and Auto Processing Redaction
- Save PSI:Capture User Interface window state
- Add validation of Migration settings that depend on certain Document Type settings being set correctly.
- Implement ability to combine multiple index fields using a simple UI
- Allow user to specify criteria using Index Fields to determine what Documents are processed in a Migration
- Multi-record zone OCR processing dynamic page setting
- Add support for importing and exporting regular expressions from the system managed library
- Web Services Migration for Alchemy Server
- Add new parsing options of Lookup key/return values (subset of value, splitting of value with element selection)
- Migration Connection information validation
- Expand on Auto View options in QA
- Add the ability to Auto Flag Back pages only or Front pages only
- Add the ability to auto view separator pages only
- Enable the ability to turn on re-run auto indexing on exceptions batches
- Allow user to select a custom install location during full install
- Add the ability when selecting TXT output in OCR to dump the TXT data to a Document Field
- Exclude Data Files from the Selection by Files dropdown list if the document type is not configured in Advanced Indexing, Data Files
- Add a regex validation option against index field data
- Add the ability for users to define custom sorting algorithms for AutoImport queues
- Allow users to specify a time of day to perform the archive process on Archive Batches setting
- Added persistence and custom filtering options to batch manager filters.
- Ensure users are accessing the most current batch status when selecting batches via Select Batch dialog.
- Added temp directory free space check to installer bootstrapper (2 GB).
- Added support for Annual resetting counters.
- Added System.Linq and System.Xml.Linq assemblies as default scripting assemblies.
- Reworked the installer UI to not use an Advanced button.
- Ability to copy migrations
- New Auto-orient function needs some explanation on properties sheet
- Improved scoring of OMR boxes when all values have a negative net weight, particularly zones with 2 or less value boxes.
- Added additional options to control the resulting resolution of imported images (non-PDF).

- On Database migration, Document Path and OCR Path Field Name settings should be a drop down list of fields in database table similar to drop down displayed in Field Mappings column of the Field Settings grid
- Store Batch Selection Window size and position between sessions
- Improved accuracy of OMR zones across documents where the contrast or image quality fluctuates.
- Added a hot key to the batch tree view for accessing Page Information. (i)-key
- Added log alerts when file browser fails to enumerate a folder or it's contents.
- Visual notice of features not licensed on conditional migrations
- Add the ability to Delete the back of a CB- batch separator sheet
- Ability to Crop Image with popup selection window
- Unify the sort order for storage selection lists to Alpha
- Hot keys for custom flags
- Add the ability to sample a color from an image when configuring Color Drop Out command
- Add Page Number Auto Flagging to auto flag specific page numbers in a Document (also options for even pages and odd pages)
- Scripting speed enhancements.
- Add scripting hook to AutoImport that allows control over when a file set is moved into the work queue
- Allow multiple addresses to be used in Email Migrations
- Ability to turn case insensitivity on for index field auto redaction
- Add recording of Annual counter usage at the monthly reset interval
- Create a new SharePoint lookup addin that will allow a lookup to a SharePoint 2010 Term Set.
- Allow Batch Index fields to be defined as Auto Incrementing fields
- Add support for creating new Terms in SharePoint 2010 Term Set when migrating to a Managed Metadata field
- Enhance SharePoint Managed Metadata field support to allow populating Managed Metadata fields using just the Term value
- Add support for populating SharePoint Managed Metadata fields with multiple term values if that field is defined to support multiple values.
- Enhance SharePoint Lookup field support to allow populating Lookup fields using just the item value
- Allow script authors to disable execution of a script method by workflow module
- Automatically update existing scripts when the underlying script interface is changed
- Add the Ability to Dynamically migrate to different SharePoint sites
- Improve AutoOrient performance
- Hotkey for page information from data view QA module
- Allow script authors to disable execution of a script method by workflow module

- Remove GlyphReader from product
- Add support for writing log entries from scripting
- In SharePoint Term lookup, allow user to specify Parent Term so only Child Terms within it are displayed in Lookup Results instead of all Terms in the Term Set
- Improve license server error messages when a dongle is disabled for date tampering.
- Dynamic Content Type Capability for SharePoint)
- Allow control of installer options via command line to support managed deployment
- Add better error reporting and retry capability to saving AutoImport local service settings
- Add the ability for users to define custom sorting algorithms for AutoImport queues
- Allow users to specify a time of day to perform the archive process on Archive Batches setting
- Added logging and fixes for license server when user attempts to register a license server key and a duplicate product key at the same time.
- Added persistence and custom filtering options to batch manager filters.
- Added temp directory free space check to installer bootstrapper (2 GB).When running Zone OCR Redaction on images with resolution less then 200 or greater then 300, the redacted area is not correct
- Add support for populating SharePoint Managed Metadata fields with multiple term values if that field is defined to support multiple values.
- Enhance SharePoint Lookup field support to allow populating Lookup fields using just the item value
- SharePoint Lookup fields are not populated during SharePoint migration if trying to populate more then one Lookup field
- Allow script authors to disable execution of a script method by workflow module
- Automatically update existing scripts when the underlying script interface is changed
- Add the Ability to Dynamically migrate to different SharePoint sites
- Add an Insert Date Stamp button to Batch Notes
- Option to lock batch name as read only field
- Allow ordering of Lookup Field mappings to enable control over the display order of fields in browse lookup results
- Add ability for user to define custom column widths for the Lookup Results dialog
- Allow user to set the size of the Lookup Results dialog so that they can show more columns.
- Ctrl+A to select all data within an index field
- When defining document types, add the ability to insert index fields at a specific location in the field list
- Add the ability to allow lookup result assignments to be skipped if the field already has data
- Add the ability to reorder and hide index fields for the QA step
- Add the ability to set the QA Data View column width by Index Field

- Auto position new Index Fields on Migration Field Settings instead of placing at bottom of field list
- Rename auto redaction using zone OCR
- Add Delete Items flagged for Deletion to QA Auto Processing
- Add Reject items flagged for Rejection to QA auto processing
- Mark required fields in registration with bold
- Allow trigger file to be created by Folder migration
- Ability to select multiple fields when adding to list in QA Auto Redaction using Zone OCR
- Ability to select or de-select all boxes in field settings in migration configuration
- Add Move To button to Migration Field Settings to make it easier to move fields
- Add support for scaling zone templates to match captured imaged DPI
- When loading data from text file on Barcode Generator Utility, allow header rows to be ignored
- Add ability to select PDF file on Image Color Selector and Region Selector dialogs
- Change Hot Keys Help to display in a Text box that can be scrolled since the list is getting to long to show on a Message Box
- Add ability to display columns from Lookup source without having to map to an Index Field
- Add setting to Capture and Index settings to set the initial state of the Enable Zoom To Zone toggle button
- Allow user to change the displayed column name of Lookup Results columns
- EMC Centera integration for Application Xtender
- Allow Record Flagging in Lookups to be configured without choosing Display Browse Records Dialog option
- On Migration Document Filtering, allow the user to choose if documents should be processed when one filter is true or when all filters are true
- Add support for Document Filtering to QA Auto Processing
- Allow user to choose which Data Source to login to for Application Xtender direct migration and template extension.
- Add new QA Auto Processing command for Combining Records within a document into one record
- Add modified Multi-Record support to FileBound migration that allows for only one copy of the Document File being uploaded to FileBound
- Zoom to each individual child zone as you go to each field in multi-rec
- Make Selection/Sizing Grips smaller and transparent for Zone boxes in Viewer
- Add the ability to clear all alerts from a batch
- Allow Ctrl+A to select text in the Zone OCR preview window
- Add FileBound 6 to FileBound version selection dropdowns
- Track keystrokes in QA Data View

- Add an option when Combining Documents to copy the records from the Document being combined to the destination Document.
- Alchemy Datagrabber Migration Enhancements (Create Folders in Alchemy, Output Relative Paths)
- Allow the user to edit data in the Retrieval module returned by Database query
- Add ability to define the default sort fields for database queries in Retrieval module
- Add new Security Permission for allowing data to be edited in the Retrieval Module

