

Version History

Build 506 (18 Feb 2010):

Bug fixes:

- ☒ License Manager creates properly files in _Stations in case of Concurrent Verifiers
- ☒ FSE displays a proper error message when login fails (in concurrent verifiers)
- ☒ Proper Logoff in Concurrent Stations (not only Exit)

Build 507 (1 Mar 2010)

Bug fixes:

- ☒ If target file is %p then FSE doesn't add %p
- ☒ If cannot use registry then the app ini file is set to WorkDir\[user name] instead of application directory

Features and improvements:

- ☒ Remember setup tree

Build 508 (10 Mar 2010)

Bug fixes:

- ☒ Templates with no lines should not match to forms with lines
- ☒ Error message when sending a system with autofill, a job ready for verification, and the template is missing
- ☒ Reload setup XML if OCR aborted and OCR created templates
- ☒ Reload setup XML if Verify aborted and Verify created templates
- ☒ Automatic region correction doesn't work properly for "huge characters"

Features and improvements:

- ☒ Keep word coordinates from OCR to speedup typing
- ☒ Do not recall OCR for pages that were processed and do not have fields during verify unless needed
- ☒ Option to keep signs with numeric keypad

Build 509 (12 Apr 2010)

Bug fixes:

- ☒ Validation of Total field works now when no table and no subtotal fields
- ☒ Ignore anchors that do not exist in the template

Features and improvements:

- ☒ Palette for invoices
- ☒ Skip to next field after F5 in total field (invoices)
- ☒ No need to retype header fields after F5
- ☒ F7 (bind previous page)
- ☒ Skip to next field in script
- ☒ New API call (FSANextField)

Build 510 (18 Apr 2010)**Bug fixes:**

- ☒ API call Get page info works as it should for job form
- ☒ When fields are deleted in API and no field remained in the page – the page should not be displayed (before fixing this, it was displayed without fields)

Features and improvements:

- ☒ Better event performance for typist (refresh fields at the end of the event)
- ☒ Can delete last row in a table (--)
- ☒ A new property (Visible) for field in VB Script
- ☒ Colors for fields in region properties screen

Build 511 (29 Apr 2010)**Bug fixes:**

- ☒ Priority files are overwritten when a station logs out
- ☒ Save Job in the end of verification throws "Cannot make a visible window modal"

Build 512 (20 May 2010)**Bug fixes:**

- ☒ Forms were not collected properly when exporting image file per form

Build 513 (version 6.0) (30 May 2010)**Features:**

- ☒ New development environment
- ☒ New user interface
- ☒ Do not support DynamicTwain interface (only LeadTools)
- ☒ Different interface to VB script engine

Build 518 (10 Jun 2010)

Bug fixes:

- ☒ Scan folders works properly with PDF files
- ☒ Global user with system(s) without #
- ☒ Scan folder if take first page only and do not remove files
- ☒ Local scan folder settings cannot be removed

Features:

- ☒ Decoding / encoding of images and data files in queues
- ☒ Secure Login server
- ☒ Password expiration
- ☒ Password strength
- ☒ Password lockout
- ☒ Password history
- ☒ Login line in the Log file (includes IP address)
- ☒ Auto logout

Build 519 (13 Jun 2010)

Bug fixes:

- ☒ Menu items are disabled properly
- ☒ Zoom buttons are enabled/disabled properly in verify

Build 520 (14 Jun 2010)

Bug fixes:

- ☒ Visible tabs defaults were corrected

Build 521 (17 Jun 2010)

Bug fixes:

- ☒ Only one data file was created when CSV and Export to forms
- ☒ When OCR creates a new template the other station does not take the latest template list

Features:

- ☒ Dictionaries are automatically reloaded
- ☒ Return 105 in OnRecognizeTemplate deletes the job

Build 522 (21 Jun 2010)

Bug fixes:

- ☒ Read lock timeout from cfg
- ☒ Buttons in Queues were disabled for admin user wrongly

- ☒ Verify screen wasn't refreshed when changes in field data were done inside a validation function
- ☒ Password lock count is considered in screen lock

Features:

- ☒ Dictionary field type is now supported in General algorithm
- ☒ "Terms" field can be recognized in General algorithm

Build 523 (1 Jul 2010)

Bug fixes:

- ☒ Default in FSESeureLogin and LicenseManager is "admin" and not "Admin"
- ☒ FSESecureLogin does partial login if bad password
- ☒ FSE users default expiration was "1" instead of "3650"
- ☒ FSESecureLogin directory selection tool had a bug
- ☒ When application locks and ask for password – it receives the focus

Build 524 (4 Jul 2010)

Bug fixes:

- ☒ -sqo and -sqe didn't work
- ☒ DropOutDemo was fixed
- ☒ Invoice systems were fixed (Export original images and no combo)

Build 525 (5 Jul 2010)

Bug fixes:

- ☒ Memory leak when collecting files (files in job > 0)
- ☒ Scan queue checkbox was not shown properly if it was the last displayed tab

Build 526 (14 Jul 2010)

Bug fixes:

- ☒ Memory leak when collecting files (files in job > 0)
- ☒ Scan queue checkbox was not shown properly if it was the last displayed tab
- ☒ Field mode wasn't displayed properly

New Features:

- ☒ Local ftypes.ini
- ☒ Export / Import systems

Build 527 (18 Jul 2010)

Bug fixes:

- ☒ Resize of export/import systems works properly
- ☒ -sqe bug fix

Build 529 (2 Aug 2010)

Bug fixes:

- ☒ Dropout algorithm should skip the preliminary attribute test
- ☒ When stopping OCR Page with custom function – a message JIError=0 pops up

New Features:

- ☒ Color dropout
- ☒ Status bar can contain custom messages (StatusBarPanel may be 0-2)
- ☒ Local DLLs
- ☒ Local dictionaries

Build 530 (8 Aug 2010)

Bug fixes:

- ☒ OMR toolbar is now in Tools palette
- ☒ FSE tries to open report file more than once (to avoid possible network failures)
- ☒ Show partial match in dictionaries now works properly
- ☒ Rotate + ocr on click didn't work properly in verify

New Features:

- ☒ Always show dictionary (show even when empty edit box)

Build 531 (18 Aug 2010)

Bug fixes:

- ☒ Dictionaries are now added to .fss even when local
- ☒ OnRecognizeTemplate – return code 105 doesn't stop the application
- ☒ Password expiration message fixed

New Features:

- ☒ Can add any file to .fss
- ☒ Dictionaries as ListBox
- ☒ FilmStrip

Build 532 (19 Aug 2010)

Bug fixes:

- ☒ Better performance on app exit with many templates (expanded tree is written more efficiently)
- ☒ Better performance in verify end job (tree is read more efficiently)
- ☒ Hour glass when export/import system
- ☒ Can click on dictionaries with list boxes
- ☒ -noerrmsg suppresses error message when setup xml changes

New Features:

- ☒ No Region property for regions (autoform)
- ☒ Double-click on dictionaries works
- ☒ New option to show all dictionary items

Build 533 (1 Sep 2010)

Bug fixes:

- ☒ ViewStorm panel is displayed even when only buttons should be displayed
- ☒ Mosaic didn't display the left panel with the ASCII characters
- ☒ Dictionaries and DLLs are displayed properly in Import System screen
- ☒ Bug concerning displaying an image field of color image

New Features:

- ☒ ViewStorm can work on uninstalled station

Build 534 (14 Sep 2010)

Bug fixes:

- ☒ Size as image works more accurately
- ☒ Memory leaks in OCR in case of broken characters and in case of auto-locate
- ☒ Image memory is freed during OCR (before that fix it was freed in the end of the job)

Build 535 (17 Sep 2010)

Bug fixes:

- ☒ Max files in job has default (200)
- ☒ Scan System as a service an produced error message (cannot focus)

New Features:

- ☒ New property: JobInfo

Build 536 (21 Sep 2010)

Bug fixes:

- ☒ Central European language recognition fixed
- ☒ Matching index is returned even for no-match (required for attachment condition)

New Features:

- ☒ WebStorm

Build 537 (4 Oct 2010)

Bug fixes:

- ☒ Date post processing improved (recognizes when prefix like "date:")
- ☒ Fix barcode recognition bad characters
- ☒ Tables with one line are not calculated properly
- ☒ Export option "No form name" is kept in the XML
- ☒ Add top line to film strip

New Features:

- ☒ New table property: remove lines by content

Build 538 (7 Oct 2010)

Bug fixes:

- ☒ WebStorm client fixes

New Features:

- ☒ New post processing option: Dictionary Post Processing
- ☒ A field property that instructs FSE to delete the field in case it appears within a table

Build 539 (11 Oct 2010)

Bug fixes:

- ☒ Delete field content in case it is in a table – not the field itself
- ☒ Restart Omnipage every 4000 characters

Build 540 (13 Oct 2010)

Bug fixes:

- ☒ Export table to CSV – bug fix of additional empty cells

New Features:

- ☒ New field property: No Id Region

Build 541 (26 Oct 2010)**Bug fixes:**

- ☒ Save setup menu item enabled
- ☒ Status bar is removed after login to another system

New Features:

- ☒ Ctrl+S saves setup
- ☒ Ctrl+1 (or Ctrl++) zoomin, Ctrl+2 (or Ctrl+-) zoomout
- ☒ Report field delimiter can be pipe (|)
- ☒ Form name and Template name are displayed as a hint (for long names)
- ☒ A new property – BookmarkTitle for PDF creation
- ☒ Search templates can be non case sensitive

Build 543 (28 Nov 2010)**Bug fixes:**

- ☒ Fixed DLL loading problems on Windows 2000
- ☒ Setup definition are changed when verifier plays with the splitter
- ☒ If trutypist display condition is "not legal" – compare it to OCR results

New Features:

- ☒ New barcode option: correct image
- ☒ Ctrl+A defines attachment in verify page mode
- ☒ Classification
- ☒ Don't create templates below certain compressed size in autoform
- ☒ If user+pw+system is provided in the login then every 1000 pages fse restarts

Build 544 (1 Dec 2010)**Bug fixes:**

- ☒ Sometimes zoom buttons produce exceptions
- ☒ Problems with supervisor: sometimes display all pages
- ☒ When a field should be displayed – all the fields in the group should be displayed as well
- ☒ Page Down produces exceptions in verify page mode

New Features:

- ☒ Templates are sorted according to names in setup tree
- ☒ Templates are sorted in semiform tree

- ☒ Do not allow clicks in autofill unless "Allow OCR on Click" is ON

Build 545 (8 Dec 2010)

Bug fixes:

- ☒ Uploaded system force Binary (with autofill), full page OCR and verify cannot export
- ☒ Two quick page-down in the last field of the job caused a crash
- ☒ Max job at once in export in scan system screen didn't work properly
- ☒ Export goes into a loop when no jobs to export in Scan Systems
- ☒ Templates are loaded each OCR step even when only one system to scan
- ☒ Scan system: If jobs to capture was 1 – then no jobs were captured
- ☒ Scan system: Message of captured / ocred / exported jobs had the number of jobs + 1 instead of the actual processed job

Build 546 (21 Dec 2010)

Bug fixes:

- ☒ Select directory doesn't produce error message if original directory doesn't exist
- ☒ If setup tree was resized to minimum – there was no way to resize it back
- ☒ Maximal displayed dictionary entries is 250 instead of 99

New Features:

- ☒ Reorder in classification
- ☒ Write free text comment to an exception
- ☒ Exception is displayed in job / page / field
- ☒ Support several sheets in cover page

Build 547 (27 Dec 2010)

Bug fixes:

- ☒ Typist report works now for several days and several typists

New Features:

- ☒ It is possible to skip verification (always skip verify)
- ☒ It's possible to define key translation in verify full page mode
- ☒ Totals added into typist reports

Build 548 (29 Dec 2010)

Bug fixes:

- ☒ JPG images are now collected in Scan Folders
- ☒ Supervisor could insert pages in the middle of duplex sheet
- ☒ OnExit was called in date so the illegal date message appeared unnecessarily
- ☒ When typing * on date field it keeps the *
- ☒ Click on next page now makes ocr-on-click appropriately

New Features:

- ☒ Updated help file
- ☒ Field property: "Auto One Choice" – fills field if one choice in the dictionary (can be used with Autotab)

Build 549 (9 Jan 2011)

Bug fixes:

- ☒ Show field in queue was disabled
- ☒ Show field in queue flag is kept for future sessions
- ☒ Quick keys caused "cannot focus problem"

New Features:

- ☒ New status bar panel (3)
- ☒ Show field in queue works for "get specific job"
- ☒ New field property: auto insert if one choice from dictionary
- ☒ Rescan in supervisor and send back to OCR

Build 550 (12 Jan 2011)

Bug fixes:

- ☒ Sometimes fields are deleted in supervisor
- ☒ Supervisor is not allowed to skip fields with supervisor exception

Build 551 (13 Jan 2011)

Bug fixes:

- ☒ Very quick keys on get next job caused crash
- ☒ Very quick keys inside a field caused crash
- ☒ Image viewer was blinking
- ☒ Saved job didn't skip "manually recognized pages"
- ☒ Saved job didn't skip reorder screen

Build 553 (2 Feb 2011)

Bug fixes:

- ☒ Stop on error was not updated when this is the tab in previous FSE shutdown
- ☒ Form names are sorted after abort job
- ☒ The OCR stops with error message when region coordinates are not inside the page.
- ☒ After save job or reorder – be able to page up to pages that were already processed

New Features:

- ☒ Can show most recently used dictionary items

Build 554 (3 Feb 2011)

New Features:

- ☒ Export backup directory

Build 555 (8 Feb 2011)

Bug fixes:

- ☒ Last scanned job is displayed
- ☒ Sometimes job skips supervisor even though some fields need double typing

Build 556 (14 Feb 2011)

Bug fixes:

- ☒ Barcode type QR Code support was removed
- ☒ Scan system with capture and job form causes crash
- ☒ Popup event is called in field mode (in first enter)

New Features:

- ☒ Only fixed templates are displayed in the template combobox for the verifier
- ☒ If the setup tree is too long – it is not expanded during initialization (only when user clicks for expanding).
- ☒ Field To Show is taken from Job Form if exists

Build 557 (22 Feb 2011)

Bug fixes:

- ☒ Unicode support in searchable PDF didn't work properly

New Features:

- ☒ Correct upper / lower when value is in dictionary

Build 558 (24 Feb 2011)**Bug fixes:**

- ☒ Drag and drop in page reorder

Build 559 (3 Mar 2011)**Bug fixes:**

- ☒ FSASetFieldData didn't work properly for Job Form
- ☒ General algorithm with tables generates exception
- ☒ PDF engine restarts if bad pdf file

Build 560 (13 Mar 2011)**Bug fixes:**

- ☒ ScanSystem crashes if no system is defined and it starts from command line
- ☒ Open system XML causes memory leaks
- ☒ Dictionary without template caused crashes in verification
- ☒ Approval file is removed even when the job was limited by the number of pages

New Features:

- ☒ Application as a Windows Service
- ☒ Application on multiple instances

Build 562 (13 Apr 2011)**Bug fixes:**

- ☒ Size As Image panel height is calculated properly

New Features:

- ☒ Driver log recognition
- ☒ Template matching of unstructured templates (no field recognition yet)
- ☒ Default region value length is 50 chars instead of 10 chars.

Build 563 (4 May 2011)

Bug fixes:

- ☒ Invalid type cast message (ClassesUnt.CurrentField was not updated)
- ☒ Autoform created blank templates when used with general algorithm
- ☒ OCR debug is set on startup

New Features:

- ☒ Field recognition of template matching of unstructured templates
- ☒ Warning message during the last 7 days before license expiration
- ☒ OCR debug messages for GetJob

Build 564 (16 May 2011)

Bug fixes:

- ☒ Remove template of currently searched template caused crash
- ☒ Scan folder stopped for bad files
- ☒ Can import TIF with mixed BW/Color images
- ☒ Files should not be removed if cannot put them in queues (in case of remove files in scan folders)

New Features:

- ☒ Show job log button in queues tab
- ☒ VB Script properties for "verify content" and "conflict" during TruTypist
- ☒ Better highlight of deleted pages in classification screen
- ☒ Show deleted pages button in classification screen
- ☒ Auto preview in classification screen
- ☒ Dutch invoices support
- ☒ Search templates in semiform screen

Build 565 (17 May 2011)

Bug fixes:

- ☒ Bug in scan folders with image files with a single page (bug from build 564)

Build 566 (19 May 2011)

Bug fixes:

- ☒ Update field title automatically doesn't work in binary templates
- ☒ Do not create region flag didn't work properly

New Features:

- ☒ Show field snippet in page mode
- ☒ E13B segmentation

Build 567 (2 June 2011, Internal release)**Bug fixes:**

- ☒ The preview delay in reorder screen becomes 0.35 instead of 0.5 seconds
- ☒ Calculation of compressed image size is done according to G4 compression and not the size on disk (for "blank templates" control)
- ☒ Corrected E13B segmentation

New Features:

- ☒ Enhancement string can deskew in a certain angle
- ☒ Dictionaries may be connected to a database

Build 568 (5 June 2011)**Bug fixes:**

- ☒ Error message is displayed when cannot add a file to FSS
- ☒ A bug in the dictionary in a database was fixed

Build 569 (6 June 2011)**Bug fixes:**

- ☒ 'page' \leftarrow \rightarrow 'rpage' when export to pages / forms

Build 570 (13 June 2011)**Bug fixes:**

- ☒ Region highlight in floating form is fixed
- ☒ When OCR runs and verify aborts job FSE crashes
- ☒ Remove commas and dots at the end of address fields
- ☒ Try/catch in omnipage engine

New Features:

- ☒ User privilege "knowledgeable" was added (to avoid double typing)
- ☒ Show field description on snippet caption

Build 571 (3 July 2011)

Bug fixes:

- ☒ Job form fields could not be accessed in OCR stage
- ☒ Dirty images caused crash in ImageSize function
- ☒ ISO 8859-2 (Polish, Hungarian...) is supported
- ☒ /i works properly (image enhancement string)
- ☒ ctrl+O plus delete page removed bDisplayed page property

Build 572 (13 July 2011)

Bug fixes:

- ☒ Reorder page in classification throw exception when no thumb is linked yet
- ☒ Allow classification with class only (without type)
- ☒ Fixed crash in reorder pages
- ☒ Fixed trutypist statuses with/without knowledgeable users

New Features:

- ☒ Workflow
- ☒ Is Fax

Build 573 (31 July 2011)

Bug fixes:

- ☒ Support additional Dutch invoice fields (like "discount").
- ☒ FSE Maintenance does not shut down if FSE is running on the same station

New Features:

- ☒ Show if: empty / illegal was added.
- ☒ Boxed fields are supported in unstructured templates.
- ☒ Improvements in the unstructured templates algorithm.

Build 574 (4 August 2011)

Bug fixes:

- ☒ Fixed rare bug about field titles.
- ☒ Delete page button in reorder screen enlarged
- ☒ Page rotate is saved in exported REG file

Build 575 (9 August 2011)

Bug fixes:

- ☒ Dictionaries not updated with SQL.

- ☒ Better SQL sample system.

New Features:

- ☒ Show if: Display Page was added.

Build 576 (18 August 2011)

Bug fixes:

- ☒ Cover sheets and separator sheets stats is logged.

New Features:

- ☒ FSERecognize supports list of input files, separated by "|" and contain wildcard

Build 578 (7 September 2011)

Bug fixes:

- ☒ Words were sometimes truncated (when digits were printed separated)
- ☒ Export to DB was not created if data length is greater than maximal field length. Fix: data is truncated before storing in DB.

New Features:

- ☒ DebugFile command line parameter was added

Build 579 (18 September 2011)

Bug fixes:

- ☒ Box removal enhancement was not working properly

New Features:

- ☒ API for Ocr-on-CliQ
- ☒ Ctrl+S save job in verify (full page).

Build 580 (10 October 2011)

Bug fixes:

- ☒ Compare Strings didn't work properly (VBScript)
- ☒ Confidences of machine print were low if characters are wide
- ☒ Error message covers the edit box

New Features:

- ☒ Allow mix jobs of structured and unstructured templates

- ☒ Number of displayed lines of dictionary list box now works for popup dictionary as well
- ☒ Auto detection of hand/machine print forms according to a set of fields

Build 581 (18 October 2011)

Bug fixes:

- ☒ Job held when cannot export
- ☒ Job held when template is removed during processing

New Features:

- ☒ Critical error log
- ☒ Disk space limits per directory

Build 582 (27 October 2011)

Bug fixes:

- ☒ FSEGetJobData releases the job
- ☒ Monospace font with omnipage is fixed.

New Features:

- ☒ FSERecognize can receive .TXT file with a list of image files.

Build 583 (6 November 2011)

Bug fixes:

- ☒ After Save Job in verification – in some jobs the next verification didn't start in the correct page

New Features:

- ☒ Create system has new style.
- ☒ Several improvements in system properties user interface.

Build 584 (7 November 2011)

Bug fixes:

- ☒ New system creation buttons didn't work properly

Build 585e (14 November 2011)

Bug fixes:

- ☒ Create multiple templates didn't consider matching options
- ☒ Create multiple templates didn't consider "do not match" property

New Features:

- ☒ Scan systems with several FSE windows
- ☒ TWAIN GUI can be set as default

Build 586 (29 November 2011)**Bug fixes:**

- ☒ The event OnChangeForm was not displayed in system properties
- ☒ Problems in validation functions when this event is fired
- ☒ FSE.FieldData returns arbitrary values when field doesn't exist
- ☒ OnExit should not fire validation function
- ☒ Default region type is set according to field definitions when selecting a field for a region
- ☒ When removing a field – field assignments are removed as well (caused crash when creating a system, deleting a field and go immediately to semiform tab and open matching process definitions)
- ☒ When setting an attachment the field might be undefined. Therefore, do not activate field.OnExit event.
- ☒ Bad behavior of verify in some cases of autoform (in the last field of a page)
- ☒ OCR Mask (handwriting) is fixed for touching characters

New Features:

- ☒ Image enhance in page level before OCR

Build 588b (29 December 2011)**Bug fixes:**

- ☒ Improved recognition of slashes in handwriting and fixed font

New Features:

- ☒ It is possible to disable "get specific job" in verify stations
- ☒ Job Info button was added
- ☒ It's possible to export the activity into a database
- ☒ Get OCR statistics of a job

Build 589 (10 January 2012)**Bug fixes:**

- ☒ Improved recognition of dashes in handwriting and fixed font
- ☒ Disable numeral typing in alpha fields

Build 591 (23 February 2012)

Bug fixes:

- ☒ During scanning empty pages were removed even when the "remove empty page" was not set
- ☒ Changing form type and template can be done with buttons. The event is fired only after applying changes.
- ☒ Corrupted PDF files caused the PDF engine to stop operating.
- ☒ VBScript property to access fields with more than 240 characters.
- ☒ Find titles fails if title coordinates fell outside the image
- ☒ Reorder screen scroll bar didn't show last thumbnails
- ☒ Scan systems does not succeed to restart in windows server 2008
- ☒ Colored PDF files are displayed properly
- ☒ Scan systems stops
- ☒ Daily report fixes
- ☒ Export after verify was not written to the log
- ☒ Delete job exception was not written to the log
- ☒ If all pages in verify were deleted – exports produced "list out of bounds" message
- ☒ User definitions in concurrent verifiers were not saved
- ☒ SQL dictionary temporary files are now saved in verify subdir.
- ☒ Scanning with ADF and automatically remove empty pages produced errors

Build 593 (1 April, 2012)

Bug fixes:

- ☒ Problems when template name is different than file name (verify)
- ☒ In template change default value was not loaded
- ☒ Sometimes page that was made as attachment could not be changed back
- ☒ Attachment in last page and continue typing produced error message
- ☒ In invoices invisible fields in following pages could not be accessed
- ☒ New PDF library due to several PDF files that could not be opened by the old PDF library

New Features:

- ☒ New API functions FSAGetFieldConfidence and FSASetFieldConfidence
- ☒ Confidence rescale parameters in System Properties/OCR
- ☒ Process button in queues
- ☒ Right to left in verify screen
- ☒ Workflow buttons are accessible from workflow tab (instead of Tools/Query/Buttons)
- ☒ An option to hide pages without fields

Build 595 (5 May, 2012)

Bug fixes:

- ☒ Message box was displayed when events return errors even if stop on error was not set
- ☒ SQL server didn't create the database with the proper name if it wasn't exist
- ☒ FSEVerify, FSESemiForm show dialogs with nonfunctional abort button
- ☒ Connection string is displayed in an edit box rather than panel (can copy and paste)
- ☒ Problems with templates with form-id regions with "regions must be the same".

New Features:

- ☒ Film strip for floating form
- ☒ Job names as original file names
- ☒ Supervisor sees verifiers names and data to solve conflicts
- ☒ When loading templates – only problematic templates are displayed
- ☒ Always on top option for tiff viewer window
- ☒ Tiff viewer windows can be accesses through combo
- ☒ Show color image button in verify
- ☒ Added property PageVisibility

Build 598 (13 June, 2012)

Bug fixes:

- ☒ Dynamic station timeout set to 1800 seconds
- ☒ PageVisibility can be changed during verifying (and not only in Start Job)
- ☒ Large PDF files and problematic PDFs are supported better
- ☒ Translation of all screens is now possible

New Features:

- ☒ Export of full page OCR results is now possible
- ☒ OCRFileName VB property (per page)

Build 599 (24 June, 2012)

Bug fixes:

- ☒ Button text in License Manager was corrupted

New Features:

- ☒ Examination feature completed

Build 600 (8 July, 2012)

Bug fixes:

- ☒ Unstructured templates bug fix
- ☒ Better date post processing
- ☒ OnChangingForm is called when typist presses enter/right arrow/page-down/page-up
- ☒ Training doesn't work properly with attachments
- ☒ If a field contains newline sign and the content is used to create a file – then the newline is replaced by space
- ☒ Disable fields with content in continuing invoice pages
- ☒ Image enhancement for template recognition is used during capture

New Features:

- ☒ Field property AutoForm right title
- ☒ Validation functions for sub total and additional (to show only)
- ☒ Page usage report

Build 602 (20 August, 2012)

Bug fixes:

- ☒ Do not try to create log database if it already exists
- ☒ Scan system restart parameters behavior was fixed
- ☒ Default of minimal template size changed to 10000 (instead of 5000)
- ☒ Verify and OCR tabs were disabled after installation on new machines
- ☒ Scan systems didn't work properly for systems and users which contain spaces
- ☒ Reports works for field arrays (with array index instead of field names)

New Features:

- ☒ Reload TWAIN option for every page
- ☒ Priority levels

Build 603 (14 October, 2012)

Bug fixes:

- ☒ Copy header fields in invoices (with no clicks)
- ☒ SQL dictionary with table fields (items)
- ☒ ScanSystem calls wrong executable – rebrand didn't function
- ☒ XML was exported before REG file (bad for integrators that scan XML directory)
- ☒ Table expansion in verify wasn't called work properly

New Features:

- ☒ Support multiple threads through API (FSESetInstances)

Build 604 (18 November, 2012)**Bug fixes:**

- ☒ SQL dictionaries and auto-one-choice
- ☒ Export to CSV with multipage forms was not working properly
- ☒ Bug with BMP and the old API function FSADoJob (FSERecognize works fine)
- ☒ After deleting a table and open the field which belonged to that table there is an exception
- ☒ StepByStep was not opened from the menu

New Features:

- ☒ User filter for getting jobs

Build 605 (15 January, 2013)**Bug fixes:**

- ☒ ViewStorm queries with dates
- ☒ ViewStorm queries setup
- ☒ Wrong JPG snippets were showing in verification
- ☒ SQL dictionaries behave properly in read-only fields

New Features:

- ☒ Examinations support for more than 25 questions
- ☒ PageNetBarcode property in VBScript
- ☒ Quickbooks permission
- ☒ OCR again region property
- ☒ User name may contain '-' sign (not the first parameter)

Build 606 (5 February, 2013)**Bug fixes:**

- ☒ Dictionary parent was wrong
- ☒ Color PDF is supported for all export types
- ☒ Rare bug in handwritten segmentation
- ☒ Examination footer bug (in short lines)
- ☒ LogDB uses Append instead of Insert (faster)

New Features:

- ☒ New VB properties for field: ForceDisplay and ForceDisplaySup
- ☒ FSE language can define character set

Build 607 (19 February, 2013)

Bug fixes:

- ☒ Export color images are saved as PDF
- ☒ Export of pages
- ☒ Original file name was removed in verify (on clicks)
- ☒ Snippet is higher
- ☒ Exception on matching should interpreted as not recognized

New Features:

- ☒ South Africa invoices

Build 608 (2 April, 2013)

Bug fixes:

- ☒ Show private label before login
- ☒ Do not show dictionary lists in verify small screen
- ☒ Defaults for field titles were changed
- ☒ Zoom in semiform tab was changed for each template

New Features:

- ☒ Support Australian addresses
- ☒ Separate documents in capture
- ☒ Support document separation in invoices
- ☒ AutoRotate during OCR
- ☒ Template removal by size or bad files
- ☒ "More" button in verify
- ☒ Predefined were changed (InvoicesRelated)

Build 609 (17 April, 2013)

Bug fixes:

- ☒ Apostrophe in sql dictionary
- ☒ Double typing in table fields
- ☒ Sometimes FSEScanSystems cannot recover (tries every 30 sec)

New Features:

- ☒ FSECapture
- ☒ New table property: Create Only First Line
- ☒ Verify option screen re-arranged
- ☒ FSAJO_COPY_JOB_INFO option in FSEVerify
- ☒ Queues sort screen
- ☒ Queues filter by field

Build 610 (29 April, 2013)

Bug fixes:

- ☒ Internal problem in external OCR engine is now recovered
- ☒ Empty table lines are not created

New Features:

- ☒ Log original file name
- ☒ Shows 24 digits in the queues
- ☒ Main menu includes Setup sub-menu
- ☒ Add reorder screen functionality to older systems

Build 612 (23 May, 2013)

Bug fixes:

- ☒ Terminal services awareness compilation flags
- ☒ Try/catch with ini files
- ☒ Page state always starts from fsNotRecognized

New Features:

- ☒ Binary priorities
- ☒ Classification is permitted for invoices

Build 613 (4 June, 2013)

Bug fixes:

- ☒ Typist does not load queues every 2 seconds

New Features:

- ☒ Supports 400 dpi
- ☒ Color for double typing conflicts
- ☒ Color for field-in-focus

Build 614 (24 June, 2013)

Bug fixes:

- ☒ Memory leak? (GlobalAtoms)
- ☒ Mix of unstructured templates and normal templates

New Features:

- ☒ Categorizer (v1: not opened yet)

Build 617 (31 July, 2013)

Bug fixes:

- ☒ TruTypist is skipped if nothing is sent to verifier after OCR
- ☒ Original file name maximal length was 99 characters (if used by export name builder). Now it's 200.
- ☒ Document number may include punctuations

New Features:

- ☒ Categorizer
- ☒ Reorder pages in reorder screen
- ☒ Delete pages in reorder screen
- ☒ Split pages in reorder screen
- ☒ Fit width / Fit page can be defined as verifier default
- ☒ Autoform with multi forms (after verify)
- ☒ New VB properties: EndDoc, Deleted, Separator

Build 618 (4 September, 2013)

Bug fixes:

- ☒ Filmstrip sometimes was displayed with scrollbars

New Features:

- ☒ Separate field zoom and page zoom
- ☒ Page zoom can be "fit width" or "fit page" or fixed zoom
- ☒ Display tables as grid

Build 621 (17 October, 2013)

Bug fixes:

- ☒ Filmstrip is displayed faster for large documents
- ☒ Categorizer runs faster for large category file
- ☒ Password reset when updating user which belongs to a group
- ☒ Read-only queues was fixed
- ☒ Table automatic reading without item description or with one-word didn't work properly
- ☒ SQL Server wizard created invalid connection string

New Features:

- ☒ User permission for delete page in reorder screen
- ☒ Autoform for verifier only
- ☒ Autoform without creating new templates
- ☒ Clipboard in reorder screen

Build 622a (30 October, 2013)

Bug fixes:

- ☒ Station lock doesn't work properly when user name contains period sign
- ☒ Dictionary refresh after click on next field
- ☒ Show field in queues
- ☒ Scroll bar in reorder screen was buggy
- ☒ OnChange Form event could not change field values
- ☒ Jobs were sent to supervisor even when supervisor was disabled

New Features:

- ☒ FSE.TextExists works in scripts

Build 623b (14 November, 2013)

Bug fixes:

- ☒ Original file export keeps rotations and page reorder
- ☒ ReadOnly queues group permissions

New Features:

- ☒ Complex setup
- ☒ New VBScript properties to access Setup Fields properties
- ☒ Colors for different documents in reorder screen
- ☒ Scroll by line in reorder screen
- ☒ Scroll preview image using keyboard
- ☒ Split/copy with shortcuts in reorder screen

Build 625 (5 December, 2013)

Bug fixes:

- ☒ Eastern European machine print works better (doesn't contain English by default)
- ☒ Remote user properties are now saved
- ☒ Last queues-filter is now kept for next session
- ☒ Queues-Details property is now saved

New Features:

- ☒ VBScript can write OCR results in xml format using FSE. ExportOCRTToXML property
- ☒ Reorder screen by the script using new properties: ReorderBegin, ReorderSplitPage, ReorderMovePage, ReorderCommit
- ☒ Improved GUI for scan systems (one process) with ability to change order of systems
- ☒ It's possible to define two regions – one OMR and one normal to the same field and gets data when marked
- ☒ Ctrl+PGDN works for skipping the current document

Build 630 (17 February, 2014)

Bug fixes:

- ☒ Translation for all FSE modules
- ☒ Sebtember -> September
- ☒ Group number can be more than 9

New Features:

- ☒ IRIS engine is integrated
- ☒ Reconciliation (including checking repeating invoices)
- ☒ Option to put queues in SQL database
- ☒ Inline Event Log
- ☒ VB property that allows searching text in window
- ☒ Show color images in verify
- ☒ Define drastic template image editing

Build 638 (26 June, 2014)

Bug fixes:

- ☒ Export OCR to XML fixed
- ☒ Sometimes dictionaries were not refreshed

New Features:

- ☒ New JLF instructions
- ☒ Export field candidates to XML
- ☒ Added API function "FSAGetClickedDataEx"

Build 640 (8 August, 2014)

Bug fixes:

- ☒ Line item recognition improvements
- ☒ WorkFlow DB sometimes not updated
- ☒ Memory leak in scan-systems (old type)
- ☒ Stability bug fixes
- ☒ Invoices.dll – bug fix in field copy from previous page
- ☒ JLF improvements
- ☒ Predefined systems improvements

New Features:

- ☒ GUI
- ☒ Page validation event
- ☒ FSECapture may receive job number
- ☒ Reports with fixed width (no separators)
- ☒ ForceExport property in script
- ☒ FitWidth/FitPage property maintains
- ☒ Allow exporting field candidates to XML
- ☒ Allow accessing setup field properties from script

Build 644 (2 December, 2014)

Bug fixes:

- ☒ Exported color PDFs keep rotations
- ☒ Displayed color images keep rotations
- ☒ Box removal improved (/j)
- ☒ Memory leak in Hebrew JLFs
- ☒ Capture - Rotation in reorder screen

New Features:

- ☒ Multiline fields in table can be defined in template level
- ☒ New Documents tab in systems properties
- ☒ Automatic Documents separation by Pages, Files, Jobs, Barcodes in capture station
- ☒ Workflow – added Department alias for more robust workflow scripting

Build 645 (16 December, 2014)

Bug fixes:

- ☒ Auto-rotate produced access violation on very rare images
- ☒ Avoid “value out of range” message in some cases of custom OCR
- ☒ Avoid template names conflicts
- ☒ First Time Template property was not updated in binary mode
- ☒ Rotation in some cases was not kept
- ☒ Better memory management in cases of overloaded system
- ☒ FSE crashed when language files are corrupted
- ☒ If a path is not active during export then the job goes to “hold state” and an error message is logged

New Features:

- ☒ Automatic job separation according to fixed number of pages
- ☒ “Get specific job” can search job (ctrl+F)
- ☒ Added several log messages in order to trace incorrect usage of FSAPI

Build 645b (24 December, 2014)

Bug fixes:

- ☒ Major fix in table recognition (when location of first line is unknown)

Build 646 (31 December, 2014)

Bug fixes:

- ☒ Exception when global barcode contains Control characters (1B, 1C, 1F ...)
- ☒ Improved table extraction
- ☒ Improved OCR-on-CliQ
- ☒ Quantity validation
- ☒ Autoform did not function in XML mode
- ☒ Reorder screen form-type selection
- ☒ Pre-defined invoice systems were modified
- ☒ Invoice.jlf was improved

Build 647 (15 January, 2015)

Bug fixes:

- ☒ Voting between OCR engines works better
- ☒ Omnipage recognition of high characters works better
- ☒ Omnipage possible crash on high characters fixed
- ☒ Table recognition works better
- ☒ Job Name as Original file name – now works with split queues property
- ☒ Delete autoform region in Verify – Alt+D (didn't work in XML systems, only in binary)
- ☒ Create template with scanner works
- ☒ New JPG reader/writer (Delphi)
- ☒ If PDF creation fails in export – system behaves appropriately
- ☒ Pre-defined were improved
- ☒ General (JLF) was improved

New Features:

- ☒ F12 adds table line beyond the last line
- ☒ Define template of attachments – pages matched to such template will be defined as attachments at OCR stage
- ☒ Ability to define attachment templates in Verify
- ☒ Attachment Templates marked with different color in Setup tree
- ☒ Templates with no regions marked with red in Setup tree
- ☒ Ctrl+Shift+D deletes all table items

Build 648 (23 January, 2015)

Bug fixes:

- ☒ Invoices General Algorithm improvements
- ☒ Pre-defined were improved
- ☒ General (JLF) was improved
- ☒ Omnipage driver was improved

Build 649 (05 February, 2015)

Bug fixes:

- ☒ Access Violation Error at the end of verification in Fields Mode
- ☒ Fields without regions appear in Verify – now fields will appear in Autoform systems first time with newly created template or if “Always Update Regions on Click” is on

New Features:

- ☒ RClick pop up menu in queues tab by clicking on job name
- ☒ “Open file location” option In Queues pop up menu – opens queues folder and selects job image
- ☒ Reset Job(XML Clear) - resets jobs xml (deletes all data from it) and send it to OCR queues
- ☒ Process button in queues now can activate OCR as well
- ☒ Custom Validation Function in Regions->advanced properties

Build 650 (10 March, 2015)

Bug fixes:

- ☒ "Remove empty pages" – created empty job TIFF files.
- ☒ Matching – floating form - attachments will skip Matching station
- ☒ "Page 0" in capture – empty job images were created in case of "Remove Empty Pages" on and source file contains empty pages only
- ☒ Illegal dates export failure – export to database failed in case date field has values less than "December 29, 1899"

Features:

- ☒ Reports – now possible to add Header in reports
- ☒ Reports – special property – "Exceptions Report" – only entriese with exceptions will export.
- ☒ Reports - special tokens to export exceptions of job, page, field - %A, %a, %x(field name)
- ☒ Exceptions – option to customize exception per field
- ☒ Job XML – now it contains processing start and end time of each station
- ☒ Scripting – new property "FSE.FieldScriptTrail" – integer - readonly, gives information about accessing field from script
- ☒ Scripting – new property "FSE. FieldInDict" – boolean - readonly, checks if value of the field in field dictionary
- ☒ Scripting – new return value (300) to invoke user cancelation of validation event
- ☒ Verify – processed fields will appear in different color on the image
- ☒ Verify – Autoform – newly created templates notification – image of such template will framed with colored border.
- ☒ Setup – Export – it is possible now to choose overwrite or rename existing export files

Build 650a (23 March, 2015)

Bug fixes:

- ☒ System Properties->Capture->"Twain Reload" – fixed
- ☒ Header fields regions inside table – now lines below header field will be deleted

Build 651 (7 June, 2015) – Version 8

Bug fixes:

- ☒ Invoices.dll – automatic quantity correction improved
- ☒ Putting job on Hold from script fixed
- ☒ Invoices General Algorithm improvements

Features:

- ☒ Quick setup – ability to setup systems using minimum common parameters
- ☒ Login Screen redesigned
- ☒ Field Zoom in Verify – now it's possible image zoom for specific field
- ☒ Automatic restart in case of critical exceptions

Build 652 (6 October, 2015)

Bug fixes:

- ☒ Add *.tiff to search in folder scanning
- ☒ Better treatment of very large images

Build 653a (20 October, 2015)

Bug fixes:

- ☒ Large logo font's caused engine to crash
- ☒ Critical exceptions in scripts caused to server freeze (server installations)
- ☒ VZIP.dll - empty dictionary names caused to crash
- ☒ invoices.dll - multi-page invoices with attachments failed to balance
- ☒ invoices.dll - failed to balance in multi-page invoices without line items
- ☒ server installation - timer exceptions fixed
- ☒ server installation - getting focus control attempts fixed
- ☒ Show all fields in Supervisor – show fields that has regions only
- ☒ Post process dates in tables is fixed

Features:

- ☒ More clear snippet
- ☒ Snippet now can be displayed above and beneath field
- ☒ Page Down button can be disabled (to force verifier go field by field)
- ☒ Ability to define not allowed characters instead of allowed
- ☒ Better exception handling - critical log will contain more info about crashes (control, job if available)
- ☒ New template property – “Hide Verify Regions After Manual Matching” helpful in cases the manually matched template is not exact like the image
- ☒ Matching station - disable snippets and region highlighting according to new template property (“Hide Verify Regions After Manual Matching”)
- ☒ Scan Systems prioritizing - adding extra rounds (using FSCS.exe)
- ☒ Scan Systems prioritizing - allow to systems to take over other systems in specific hours (using FSCS.exe)

**7,8 works only with internal Scan Systems tool - service installations, there is a possibility manually control priorities, without FSCS.exe*

- ☒ Time SLA for jobs - it's possible to highlights jobs in different colors according to job's “age” in hours
- ☒ Fast Job filtering - in queues tab now it's possible to search jobs by name, state, hold, station and age - like graph search in Facebook using \$, #, ! ...
- ☒ New columns in queues tab - date and time - useful for systems with file original name as job name
- ☒ Filtering jobs by date and time - old style filtering became extended filtering options and new ability to filter by specific date and time
- ☒ Safe Verify and Trutypist - it's possible to create station with verify and trutypist permission, Trutypist will not receive jobs he just verified, it will wait to another station Trutypist
- ☒ FSCS improvements – file locking checks and special column for escalating support level
- ☒ stability improvements
- ☒ JLF improvements
- ☒ new demo system
- ☒ new predefined template
- ☒ new script/API properties - FSE.TargetColorFileName for VBS and FSASet/GetString new parameter value "CEF" for Win32 API DLL – set/get color output image name

Build 654 (10 February, 2016)

Bug fixes:

- ☒ Snippet too big - Snippet size automatically corrected according screen size
- ☒ Snippet image rotation on vertical regions
- ☒ Reorder parameters lost after capture reorder
- ☒ Autorotate crashes on some images
- ☒ Attachment templates splitting documents
- ☒ Color PDF export fixed image size

Features:

- ☒ PDF text extraction – ability to export PDF documents text already in capture and use the data for better recognition
- ☒ New script property for setting export image path - FSE.TargetColorFileName
- ☒ License Manager revised, more clear permissions tab
- ☒ Scan Systems stability improvements
- ☒ Recognition rate improvements

Build 654e (21 April, 2016)

Bug fixes:

- ☒ OcrOnCLiQ skipping to the next filed in case of empty results
- ☒ Translation – some resource strings updated
- ☒ Invoices General Algorithm improvements
- ☒ Prioritizing jobs by field values - fixed
- ☒ User Auto Logoff – puts job back to proper queue
- ☒ AutoTab and ForceAutoTab sometimes were ignored

Features:

- ☒ Automatic email attachments download – new option in Capture settings. Email scanner will be activated only when folder scanning capture is ON. Downloaded attachments will be saved in “emails” subfolder.
- ☒ Setup Table new property – it is possible to force full table viewing or whole illegal rows only.
- ☒ New DLL properties to force fields appearance in Verify
- ☒ Scansystems priority now allowed per separate station (for service configurations)

Build 8.7.655 (13 June, 2016)

Bug fixes:

- ☒ Stability and performance fixes in verify station
- ☒ CSV export for multi-page documents with line items corrected
- ☒ Autorotation failures fixes
- ☒ PNG files capture fixes
- ☒ ScanSystems stability fixes
- ☒ Fixed reload problem in “Create multiply templates” tool
- ☒ Add template from file in setup – now pdf files enabled for tempaltes
- ☒ Snippet size for scaled Windows resolution

Features:

- ☒ Folder scan – addition file lock to prevent “double capture” - service installations
- ☒ Faster system switching – no unnecessary engines reload
- ☒ Continues verify – new option in job completion window, Save and Continue to the Next job
- ☒ SLA – it is possible to exclude weekends days from SLAs calculation
- ☒ Automatic logoff of inactive verify stations

Build 8.13.655 (15 December, 2016)

Bug fixes:

- ☒ Stability and performance fixes in verify station
- ☒ Preview of huge images in verify
- ☒ Do not create region in table fields works now
- ☒ Export by Form for multi-page invoices
- ☒ Restricted license support
- ☒ General algorithm performance
- ☒ Table recognition improvements with dense line items layout
- ☒ ODBC connections for MySQL databases
- ☒ Overall recognition levels improved

Features:

- ☒ New Documents tab *
- ☒ Automatic Documents separation – detecting documents by Page Number, Content and Tables *
- ☒ Automatic attachments detection *
- ☒ New manual options separation options in file capture
- ☒ New manual separation options for scanning
- ☒ New option “Save and Next Job” - at the end of the verify. Continues directly to the next available job
- ☒ “Show in queues” fields concatenate into one field value (value column in queues) (before. only first field were shown)
- ☒ New Quick Filter option in queues - ?<field value>
- ☒ Process from Queues tab brings back Queues tab at the end of the verify
- ☒ Now it possible to update “Show in Queues” value in queues screen directly (right click on the job and “Update Value” option)
- ☒ Drag and drop files into application window for faster capture from files

**updated InvoiceDemo system contains new examples and new settings*

Build 8.21.655 (22 February, 2017)

Bug fixes:

- ☒ Stability fixes in verify station
- ☒ Queues fields automatically picked up not only from first page
- ☒ Proper support of several queues fields
- ☒ Unnecessary setup changes save in binary system fixed – no more unexpected “save setup changes” dialog

Features:

- ☒ New FSEMonitor service – this service is about to replace current FSEService. FSEMonitor service monitors performance and makes sure that main process is always running. It maintains automatic restarts of the main process in case of unexpected environment flaws. Schedules automatic restarts of frozen processes and makes sure processing continues from the point it was interrupted.

Build 8.22.655 (1 March, 2017)

Bug fixes:

- ☒ Stability fixes in verify station
- ☒ Table recognition improvements
- ☒ Proper Template regions update in case of template deletion
- ☒ Queues – filtering by station fixed

New Features:

- ☒ Delete whole table column with Ctrl+Alt+D in verify in case of incorrect table recognition

Build 8.27.655 (21 May, 2017)

Bug fixes:

- ☒ Template matching preprocessing speed improvement
- ☒ Documents separation supports several barcodes on separator page
- ☒ Export by form exception in systems without documents support
- ☒ Bug fixes and performance enhancements
- ☒

Features:

- ☒ Default UI theme updated to new look
- ☒ New toolbar buttons in verify screen – delete table, delete column
- ☒ New option to keep original color images rotation (Export tab->color images)

Build 8.38.655 (10 June, 2017)

Bug fixes:

- ☒ Bug fixes and performance enhancements
- ☒ Invoices General algorithm improvements
- ☒ Fixed select form name skipping page
- ☒ Fixed Balance function UI bug
- ☒ Fixed ValidateTotal function – can accept 0 now
- ☒ Fixed – DB dictionaries late loading
- ☒ Fixed - TIFF files now captured using “scan folder”

Features:

- ☒ FSEMonitor can run several instances (one instance on Capture and another on OCR for instance)
- ☒ FSEMonitor can be run manually, not as service only
- ☒ System Setup supports windows system paths like %varname%
- ☒ CSV export values can be separated with ‘;’ (for SAP import support)

Build 8.40.655 (12 August, 2017)

Bug fixes:

- ☒ Invoices recognition general algorithm – overall bug fixes and performance enhancements
- ☒ Script function FSE.FieldName jumping to the beginning of page
- ☒ JSON export string escaping
- ☒ Export by Document/Form into simple csv files

Build 8.41.655 (9 October, 2017)

Bug fixes:

- ☒ FSASemiForms – fixed with new templates reloading before activating
- ☒ PDF color images crash – fixed, updated library files now included in installer
- ☒ Initial thumb size in Reorder screen
- ☒ Verify - Automatic text selection on entering edit field

Features:

- ☒ Automatic temp license applies – no need in running License Manager in order to apply temporary license, it should be simply stored under <installation folder>_license\ extension.lic. Constant license will be referenced again after temp license expiration or after extension license deletion

Build 8.1.656

Bug fixes:

- ☒ Do not show mosaic in trutypist and supervisor
- ☒ Problems in resize event timing in image viewer component

Improvements:

- ☒ Enlarge fonts in double typing screen
- ☒ Support JPG / PNG / PDF in template creation

New Features:

- ☒ Date range can be relative to current date

Build 8.03.657

Bug fixes:

- ☒ SQL dictionaries – “only one choice” fields load correctly now

Improvements:

- ☒ Recognition improvements

New Features:

- ☒ FSEConnect – a new webservice allows to connect to SQL dictionaries and script data sources. *Note: FSEConnect based Apache service installation is required on one of the client's internal servers.*