

# Perceptive Enterprise Search

Release Notes

Version: 10.3



**perceptive**software

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## Perceptive Enterprise/Workgroup Search 10.3 Release Notes

- Perceptive Enterprise Search (formerly ISYS Enterprise Server) 10.3
- Perceptive Workgroup Search (formerly ISYS Workgroup) 10.3

If you are upgrading from a previous version of Perceptive Enterprise Search or Perceptive Workgroup Search, refer to the appropriate Perceptive Search Installation, Upgrade, and Setup Guide, and follow the instructions to preserve your indexes, sites, and settings.

The following enhancements and updates are included in this release.

### New Features for Perceptive Enterprise Search 10.3

#### High Definition Viewing

- High Definition (HD) means that documents in the most common formats, when searched, will be presented in HTML 5 with all formatting, images and styles preserved. This provides a superior search and viewing experience nearly identical to the print view in a native application.
- HD Viewing: Users viewing documents indexed in HD will experience our next generation HTML5 viewer, showcasing pagination, near pixel perfect renditions with a full set of document controls.
- Indexing: Administrators may select to index documents in HD through the New Index Wizard or through Index Options. For a complete list of HD supported formats, see Index Options Help.

#### Document Thumbnail Preview (Enterprise Search only)

- Each result is now presented with a thumbnail preview. Hovering on the thumbnail displays up to three pages of the document to assist users in identifying the document needed.
- This feature may be enabled by administrators on sources that have been indexed in HD mode through Index Options.

#### Single and Mass Document Conversion

- Enterprise & Workgroup users may now choose to download documents in various formats:
  - Original (native)
  - Text
  - HTML5
  - PDF
  - TIFF
- Enterprise users may access this functionality within the single document view or within Research Accelerator.
- Workgroup users may access this functionality by right-clicking one or more documents as well as within the individual document view or by launching the Macro dialogue.
- Research Accelerator: Users may perform the following functions on one or more results:
  - Result Report = Create spreadsheet of result information
  - Extract Original Documents = Extract original documents to ZIP

- Export Hit-highlighted Documents = Convert to hit-highlighted PDF including metadata
- Export to PDF = Convert selected documents to PDF
- Export to TIFF = Convert selected documents to TIFF
- Export to HTML5 = Convert selected documents to HTML5

## Connectors

The following additional connectors are now available:

- New Connector: Google Drive for Business/Education (Enterprise only)
- Updated connector to support new source version: Sharepoint 2013
- Updated connector to support new source version: Microsoft Exchange 2013
- Updated connector to support new source version: Symantec Enterprise Vault 10.x
- Twitter connector was updated to conform to v1.1 of the Twitter REST API. Twitter connection through Social Explorer was also updated.

## Additional Format Support

Several formats have been added or enhanced, including:

- Added indexing support for:
  - Certified MS Office 2013 formats
  - Certified MS Outlook 2013 (PST/OST)
  - Certified AutoCAD 2013
  - Multi-part RAR, including indexing of all supported sub-files
  - DICOM (metadata only)
  - EMLX
  - MS OneNote TOC
  - WinMail Data File
  - vCalendar

## 64 bit Windows

- Enterprise: Users may choose the 64 bit Anywhere installer for desktop indexing of 64 bit Windows machines. This is required to index 64 bit Outlook (PST/OST)
- Workgroup: Users may choose the 64 bit Workgroup installer for 64 bit Windows machines. This is required to index 64 bit Outlook (PST/OST)

## Other Enhancements

- Improved indexing performance depending on the formats being processed. Indexes of diverse content types will see typical performance gains of 10% to 30%.
- Log out functionality has been added to the Social Explorer for Facebook and LinkedIn.
- Added support for encoding unicode characters into HTTP headers used in the webAPI
- Users viewing documents rendered in Standard HTML and HD HTML5 now benefit from support of charts for Microsoft Office documents
- Image, shape and object positioning is now more precise for Standard HTML viewing
- Over 300 engineering improvements and bug fixes to extraction capabilities, performance, viewing and user experience.

## Updates and Fixes (since version 10.2)

### Core Search

- Improved memory usage when converting large MS Excel files. (FB7916)
- Improved exception handling on range searches to prevent a crash in low memory conditions. (FB8148)
- Resolved a condition where ResetLastAccessDates config setting was not effective. (FB8161)
- Improved handling of large text files when indexing in multi-processor mode. (FB8163)
- Improved performance for transactional updates. (FB8486)
- Resolved an issue with Japanese character mapping that could impact search results. (FB8562)
- Improved text extraction from charts. (FB8435)
- Text Mode: Improved the extraction of embedded files within TNEF EML documents. (FB8457)
- Added options for generating black & white and grayscale TIFF output. (FB8466)
- Text Mode: Added a new SubType code for Lotus 1-2-3 files for more descriptive identification. (FB8506)
- Allow override of maximum open document handles via ISYS\_MAX\_DOCHANDLES environment variable (default: 64). (FB8507)
- Text Mode: Improved MSG header TIF rendering. (FB8518)
- Now support vCalendar format identification and extraction. (FB8582)
- Resolved an issue where real-time indexing of MS Outlook emails may create HTML Raw files rather than email file types. (FB8049)
- Enhanced the image output for embedded image files within RTF files. (FB8116)
- Improved the exception handling when opening document streams and running in multiple threads. (FB8131)
- Resolved an issue in MS Office 2003 files where accented character conversion might not be consistent across platforms. (FB8181)

- Resolved an issue where ZIP files with Korean file names may cause a segmentation fault. (FB8189)
- Enhanced indexing for HTML files with encoded header information. (FB8192)
- Fixed an issue where the LC\_TIME locale may be incorrect when using EXCELMODE=CSV. (FB8198)
- Improved the column spacing and column wrapping for MS Word documents. (FB8233)
- Resolved an issue in MS Word formats where line breaks may appear to be missing. (FB8237)
- Fixed an issue where the body of an EML file may not be indexed. (FB8263)
- Resolved an issue where text may be missing from text boxes in HTML mode. (FB8309)
- HD Mode: Resolved an issue in HD mode for MS Word documents where page numbers in the footer may be missing. (FB8312)
- HD Mode: Fixed an issue for MS Powerpoint in HD mode where HD output may contain overlapping text and lines over text. (FB8324)
- Resolved an issue where some emails extracted from PST files would be missing some metadata. (FB8337)
- Improved metadata indexing within ISYSINDEXINGOFF sections. (FB8371)
- HD Mode: Improved the rendering of axis labels for charts. (FB8402)
- HD Mode: Improved processing of VML images/drawings in MS Word. (FB8404)
- HD Mode: Improved viewing of images in MSG files. (FB8412)
- HD Mode: Resolved a potential condition where page numbers in MS Word were not calculated correctly. (FB8413)
- HD Mode: Improved overall text placement in MS Word and addressed potential image ghosting behavior. (FB8414)
- HD Mode: Improved the rendering of text box borders. (FB8415)
- HD Mode: Improved the alignment of text and image callouts in MS Word. (FB8416)
- HD Mode: Fixed a problem on PPT files, in HD and HTML5, where text was showing that should have been hidden by an image. (FB8417)
- HD Mode: Improved the support for complex header/footer content in MS Word. (FB8418)
- HD Mode: Resolved an issue where some images may not render in PPTX files. (FB8419)
- HD Mode: Resolved a condition where percentages may be converted to decimal in MS Excel. (FB8420)
- HD Mode: Improved the text layout of bullet lists in MS PowerPoint. (FB8421)
- HD Mode: Resolved an issue where cells in charts may incorrectly appear when a background color is present. (FB8422)
- HD Mode: Resolved an issue where hidden MS Excel sheets would display when the SHOWHIDDEN option was set to OFF. (FB8423)
- HD Mode: Improved the text rendering in MS Word when appearing in a table with same background color. (FB8424)



- HD Mode: Improved chart fidelity across formats when multiple columns are present. (FB8425)
- HD Mode: Resolved an issue where table borders may not render correctly in MS Word. (FB8428)
- HD Mode: Fixed an issue where page numbers would not be displayed in classic HTML and HD modes on some PPT files. Fixed a problem with displaying footer information on the title page when the option "Don't show on title page" was checked. (FB8434)
- Fixed an issue concerning PPTX files where user-added text in layout and master slides was not being output when using doc2text in text mode. (FB8437)
- HD Mode: Fixed a problem where the symbol font was being applied to non-symbol text in some cases. (FB8438)
- Text Mode: Extraction of DBASE4 files is now supported. (FB8440)
- Improved the metadata and text extraction of IBM DCA/FFT files. (FB8441)
- Improved the metadata and text extraction of Framework WP (FW3). (FB8443)
- Added support for Ichitaro author field extraction. (FB8446)
- Fixed an issue where HTML content may be appended into a tag and effectively skipped from the output. (FB8447)
- HD Mode: Improved the handling of character offsets in word processing formats when sections are variable in length. (FB8448)
- Text Mode: Identification for Wordstar 2.0 is now supported. (FB8449)
- Text Mode: Improved the text extraction of Multimate documents. (FB8450)
- HD Mode: Fixed an issue of parsing words incorrectly when converting to HTML. (FB8451)
- Improved the chart rendering in MS Excel when extracting single digit double values. (FB8452)
- HD Mode: Improved the chart scaling in MS Excel when changing DPI settings. (FB8453)
- Improved the ability to extract text from VML shapes. (FB8455)
- Resolved an issue where the extracted text, for some embedded images in Word Write files, would generate unexpected tokens and control characters. (FB8460)
- HD Mode: Resolved an issue where incorrect sizing of charts in XLS would cause repeating charts to display. (FB8464)
- Improved non-Latin font mapping support for EML documents. (FB8465)
- HD Mode: Corrected an issue where HD conversion of TIFF input documents would only generate the first page during conversion. (FB8468)
- HD Mode: Resolved a potential overlapping text condition in MS PowerPoint. (FB8474)
- Document Filters now identifies MS PowerPoint 4.0 files for Mac; the capabilities for this file type is zero. (FB8476)
- Fixed a problem with non-breaking spaces being inserted where they shouldn't be in classic HTML. (FB8478)
- Text Mode: Improved MS PowerPoint extraction to check for TEXT\_CONTENT stream even when no slide data exists. (FB8481)
- Fixed an issue where Adobe Postscript may be misidentified as text type 2. (FB8482)



- Unsupported MS PowerPoint 3.0 files are now identified but have zero capabilities. (FB8483)
- Fixed an issue where SMTP addresses were not being extracted from PST files. (FB8487)
- HD Mode: Corrected Classic HTML PPT bullet alignment. Improved HD handling of words that are split immediately following a bullet. (FB8488)
- Resolved an issue where TXT files may be incorrectly converted as WordPerfect 4.2. (FB8489)
- HD Mode: Improved indentation and pagination for MSG documents. (FB8490)
- Fixed an issue where empty subfolders, within RAR archives, may be incorrectly interpreted as documents. (FB8491)
- Improved support of KOI8-R Russian/Cyrillic character encoding. (FB8492)
- Fixed a problem with child shape placement not taking into account parent shape rotation in group shape containers (Microsoft Office Shapes). (FB8493)
- Improved character set detection on EML documents. (FB8498)
- Improved character set mapping on VCF documents. (FB8499)
- Improved text extraction speed of MS Word, MS Excel, and MS PowerPoint documents. (FB8501)
- Resolved a scenario where IBM DisplayWrite files may be identified as text. (FB8504)
- Fixed a potential condition where text would not be extracted from WordPerfect files. (FB8508)
- Resolved a condition where the Author metadata field may not be extracted in older versions of MS Word. (FB8509)
- Text Mode: Improved the extraction of hidden binary content from WinWord 2.0. (FB8510)
- Text Mode: Fixed potential mis-identification of Windows Metafile. (FB8513)
- Resolved an issue where text extraction of an MS Excel file may create extraneous, unreadable text. (FB8514)
- Fixed an issue where text extraction of a WordStar file may create extraneous, unreadable text. (FB8515)
- Text Mode: Resolved a potential scenario where metadata may not be extracted correctly in MS Excel. (FB8516)
- Improved character mapping for MSG documents. (FB8520)
- Resolved an issue where hard spaces may not display in text extraction. (FB8521)
- HD Mode: Improved output images / raster scaling based on DPI (default: 96). (FB8525)
- HD Mode: Resolved an issue of missing characters in text files when outputting in paginated HD modes. (FB8526)
- Text Mode: Resolved a condition in MS OneNote where the first line of text may be truncated. (FB8531)
- HD Mode: Resolved potential incorrect page number calculations when processing a MS Word document generated by a non-english version of MS Word. (FB8534)
- Resolved a condition where formatting information may be extracted as text when using EXCELMODE=CSV. (FB8539)

- Improved identification of MP3 and M3U files. (FB8541)
- Resolved a potential memory leak when processing sub-files within a MS Word document. (FB8547)
- HD Mode: Fixed an issue with MS Word documents in HD mode where some links may not work. (FB8551)
- HD Mode: Improved MS Word line space rendering in HD mode. (FB8552)
- HD Mode: Resolved an issue with extraneous line breaks when converting EML to HD. (FB8554)
- HD Mode: Corrected an issue where HTML output may display html code around email addresses. (FB8555)
- Fixed an issue where some special characters may not convert correctly in Classic HTML mode. (FB8556)
- Fixed a problem where document filters was not handling derived master styles properly in PPT files. (FB8558)
- Fixed a problem Document Filters had with processing the TextRulerAtom in PPT files. Fixed a problem with the space between bullets and the text following bullets. (FB8559)
- HD Mode: Resolved a condition where images could be missing in MS PowerPoint. (FB8560)
- Resolved an issue where cells in MS Excel documents, that contain both inline and shared string data, may not convert correctly. (FB8561)
- HD Mode: Resolved an issue with line breaks when converting MSG to TIF in HD mode. (FB8569)
- HD Mode: Corrected issue where text may be missing from text boxes in MS PowerPoint. (FB8571)
- Text Mode: Password protected MS Word files now return a correct error code (IGR5). (FB8578)
- Text Mode: Fixed an issue where a DOC file within a DOC file may be misidentified as "unknown". (FB8581)
- Text Mode: Fixed an issue in Text mode where, in some scenarios, codepage text could be output in the incorrect location. (FB8584)
- Corrected an issue when extracting title strings from PDF documents in certain encodings. (FB8586) (Perceptive Enterprise Search)
- Fixed an issue where SIS files may be incorrectly identified as type 3 (Wordstar). (FB8587)
- PDFDEHYPHENATE option now only removes hyphens at the end of lines. (FB8588)
- HD Mode: Checkbox selection in MS Word is now respected in the rendered output. (FB8591)
- Text Mode: Resolved an issue where VSDX files may be incorrectly identified as ZIP. (FB8594)
- Text Mode: Resolved potential missing content when processing an EML file. (FB8599)
- Corrected processing error on WMF documents when converting to HTML. (FB8601)
- Fixed an issue where DBF files may be incorrectly identified as ASCII/text. (FB8602)
- Improved text extraction for SXI. (FB8603)
- Text Mode: Resolved a logic error, that may prevent some text from being extracted, when reading XLSB files. (FB8605)
- Improved the handling of embedded images in EML files when converting to HTML. (FB8607)

- Improved exception handling during MS Excel chart processing. (FB8619)
- Text Mode: Improved the identification of text files without extensions. (FB8624)
- Added identification capability for FTS formats. (FB8630)
- Text Mode: Added text extraction support for MS Excel 95. (FB8641)
- Resolved an issue where formatting may not be maintained when converting PDF to text. (FB8644)
- Improved the PDF Export for non-HD supported formats. (FB8349)
- HD Mode: Improved the placement and appearance of MS Visio images. (FB6539)
- HD Mode: Resolved an issue with MS Word SmartArt (colors and fonts). (FB7897)
- Improved handling of embedded images in MSG documents. (FB8044)
- Improved rendering of WordPerfect 5.x documents. (FB8127) (Perceptive Enterprise Search)
- HD Mode: Improved the handling of text extraction for ODP documents. (FB8222)
- HD Mode: Resolved an issue where the body of an attached MSG file would not convert. (FB8247)
- HD Mode: Improved Word support for Korean hyperlinks. (FB8249)
- Improved text alignment, multi-level lists, and image rendering in MS PowerPoint. (FB8250)
- Text Mode: Improved extraction of legacy MS Excel content. (FB8259)
- Resolved an issue where additional spaces and commas were added in MS Excel files when using the EXCELMODE=CSV option. (FB8270)
- Resolved an issue where all file names in Joliet ISO format were upper-case. (FB8272)
- HD Mode: Fixed a problem with processing certain MS Excel format strings. (FB8273)
- HD Mode: Improved title colors and the display of Chinese characters for MS Word documents. (FB8275)
- HD Mode: Resolved an issue where some PowerPoint PPT slides were not converted. (FB8286)
- HD Mode: Improved the rendering of EML files. (FB8288)
- HD Mode: Resolved an issue where dashed lines were not properly aligned with text in MS Word documents. (FB8289)
- Improved consistency of CAD metadata across platforms. (FB8295)
- Improved extraction of MS PowerPoint PPTX files that contain embedded PDF files. (FB8303)
- HD Mode: Improved the PDF output quality when saving TXT files to PDF. (FB8308)
- Improved the highlighting for HD HTML-converted PDF documents. (FB8311)
- HD Mode: Resolved an issue where the background color for DOC files was incorrect. (FB8315)
- HD Mode: Resolved an issue where IGR\_Redact\_Page\_Text() will not work unless the page wordlist is pre-filled. (FB8318)
- HD Mode: Resolved an issue where the output, when converting PDF to HD PDF, would interleave words and characters. (FB8319)
- HD Mode: Improved the readability of PDF-converted TXT files. (FB8322)

- Resolved an issue with the Perceptive HD Viewer on French Windows 7. (FB8326)
- HD Mode: Resolved an issue with PPT resulting in a "invalid string position error". (FB8329)
- HD Mode: Resolved an issue where converting to PDF might cause excessively large output files. (FB8330)
- Resolved a pagination synchronization issue for MS Word documents in the HD Viewer. (FB8334)
- HD Mode: Improved the output of tables in MS Word documents. (F8335)
- HD Mode: Resolved an error where certain MS Word documents may not convert due to too many paragraph splits. (FB8336)
- HD Mode: Improved line spacing on MS Word for some scenarios. (FB8338)
- HD Mode: Improved the search-ability of EML and MSG files that are saved as HTML. (FB8339)
- HD Mode: Improved the precision of generated HD HTML for all formats. (FB8340)
- HD Mode: Improved the rendering of PDFs containing in-line images with text. (FB8341)
- HD Mode: Fixed issue with text overlapping in MS Excel. (FB8347)
- HD Mode: Fixed an issue with MS Word document processing for bullet points and inherited styles. (FB8348)
- Fixed an issue where certain Unicode characters in HTML could be filtered out. (FB8353)
- HD Mode: The Open\_Document method now returns an error (IGR\_E\_FONTS\_NOT\_FOUND) when no fonts exist. (FB8354)
- Improved font mapping and missing font exception handling across all platforms. (FB8356)
- HD Mode: Improved the spacing between list items in MS Word documents. (FB8359)
- HD Mode: Resolved an issue where text may overlap when converting MS PowerPoint files to HD HTML. (FB8363)
- HD Mode: Improved tolerance of corrupt MSG files. (FB8367)
- HD Mode: Improved output consistency across locales for MS Excel documents. (FB8373)
- HD Mode: Improved font handling when converting to HTML. Added an option, USE\_MAPPED\_FONTS, allowing usage of the substituted layout font rather than the referenced font. (FB8375)
- HD Mode: Fixed issue where images may not display in MS Word documents. (FB8376)
- HD Mode: Resolved an issue where images in EML documents were not displaying. (FB8378)
- Improved handling of number and percent formatting in MS Excel documents when the EXCELMODE=CSV option is invoked. (FB8379)
- Improved extraction of metadata from MS Project documents. (FB8383)
- HD Mode: Resolved an issue with spreadsheets that do not have stored defaults for column width and row height. (FB8388)
- HD Mode: Fixed floating point rounding errors in MS Excel documents. (FB8390)
- Text Mode: Resolved an issue when processing Japanese text inside HTML tags. (FB8392)
- HD Mode: Resolved an issue with full-screen charts in MS Excel documents. (FB8396)

- HD Mode: Resolved a potential issue with PDF generation. (FB8399).
- HD Mode: Resolved an issue with sparsely populated columns in MS Excel documents. (FB8406)
- Improved the handling of embedded document parts in OpenOffice. (FB5716)
- Improved metadata date normalization in DOC, DOCX, and PDF. (FB6330)
- Added the option to display hidden content in Hi-Def mode using the SHOWHIDDEN option. (FB6611)
- Added ID only support for OneNote TOC files to Document Filters. (FB6925)
- Added the ability to generate thumbnails by page. (FB7419)
- Added support for embedded files in RTF documents. (FB7459)
- Improved the handling of embedded files within RTF documents. (FB7551)
- Added the ability to hide hyperlinks, bookmarks, and comments via the SHOWHIDDEN parameters. (FB7717)
- Resolved an issue where OLE objects were not extracted from HWP files. (FB8176)
- Addressed an issue in Excel Hi-Def mode where an extremely large number of columns would cause a sheet to not be rendered. (FB7557)
- Improved the handling of grid lines in MS Excel documents. (FB7566)
- Enhanced the processing of headers and footers in MS Excel documents. (FB7578)
- Resolved an issue where the spacing between a bullet and text was too large in Classic HTML and HD Word. (FB7625)
- Improved the font mapping for Classic HTML and Hi-Def modes. (FB7627)
- Fixed an issue in MS Word where bullets and indentation would not render correctly in Classic and HD HTML. (FB7630)
- Improved the scaling handling on MS Excel documents. (FB7633)
- Improved the handling of cell spacing in MS Excel documents. (FB7636)
- Improved the handling of cell formatting in MS Excel documents. (FB7638)
- Resolved an issue where some formula results may not be rendered in XLSX documents. (FB7639)
- Reduced the memory utilization while process MS Excel documents in HTML mode. (FB7645)
- Improved the handling of auto-sized text boxes in MS PowerPoint documents. (FB7696)
- Resolved an issue where HTML was generated with incorrect decimal place symbol, when in Dutch locale. (FB7714)
- Addressed an issue in Hi-Def mode on a Windows 64-bit platform where some RARs would consume a large amount of memory. (FB7725)
- Improved the handling of VCF files to include missing fields. (FB7729)
- Resolved an issue where text files were identified incorrectly between 32-bit and 64-bit Windows. (FB7743)
- Resolved word and line spacing issues in Word Hi-Def mode where the text was not aligned to corresponding text boxes. (FB7747)



- Resolved RPM processing issues on different platforms. (FB7751)
- Improved the auto text color handing for MS Word documents. (FB7756)
- Resolved an issue where files were misidentified as Framework3. (FB7758)
- Improved the border logic for MS Word documents in HTML mode. (FB7760)
- Resolved an issue where extraneous underlining and bold text would be present in HD Word. (FB7761)
- Improved handling of MS Word documents that have partial or missing style information. (FB7773)
- Fixed an issue in Hi-Def mode for RTF documents where German umlaut letters caused the output to split incorrectly. (FB7779)
- Improved the handling of corrupt MS Project files. (FB7784)
- Resolved inconsistency between 32-bit and 64-bit Windows when processing MBOX files. (FB7800)
- Improved the handling of embedded clip-art in MS PowerPoint files. (FB7817)
- Improved the handling of text-alignment in MS PowerPoint documents. (FB7818)
- Improved the handling of slide numbers in MS PowerPoint files. (FB7819)
- Reduced memory usage when processing large UTF-8 or Unicode text files. (FB7839)
- Resolved an the issue when processing MS Word documents with missing style information in HTML mode. (FB7850)
- Added enforcement of maximum memory allocations when using the .NET API of Document Filters. (FB7851)
- Improved the processing of dBASE files when processing tables with deleted rows. (FB7858)
- Expanded the error information reported in the Document Filters API. (FB7859)
- Resolved an issue where some files were not extracted from CHM files. (FB7868)
- Improved the handling of password protected ZIP and RAR files. (FB7878)
- Improved the handling of Shift-J in HTML documents. (FB7879)
- Resolved an issue were some AVI files could cause a crash. (FB7891)
- Addressed an issue in Hi-Def output where table layout rendered extra borders and misplaced content for MS Word documents. (FB7899)
- Removed the requirement for Administration rights when installing Document Filters. (FB7921)
- Fixed an issue when processing MBOX/Sendmail files containing different date encodings. (FB7925)
- Improved the support for OLM files. (FB7926)
- Resolved an issue where shape colors were missing in MS Word documents using Classic HTML and Hi-Def mode. (FB7928)
- Resolved an issue where items within RAR files were reported as 0 size. (FB7929)
- Improved the handling of small text files. (FB7930)
- Resolved an issue where some MS Excel documents would fail to process. (FB7940)
- Improved the space handling for Word Perfect documents. (FB7943)

- Improved the handling of CRLF in MS Excel cell data. (FB7962)
- Improved handling of MS Excel documents that include different text encodings. (FB7970)
- Resolved an issue where dates for files within RAR archive may be incorrectly reported. (FB7972)
- Improved the handling of Footnotes for Open Office documents. (FB7988)
- Resolved an issue where the Table of Contents may appear twice for Open Office documents. (FB7989)
- Improved the handling of Table of Contents in Open Office documents. (FB7990)
- Improved the line-break logic for Open Office documents. (FB7992)
- Resolved an issue where date/time formatting would produce truncated results for MS Excel documents. (FB7993)
- Improved metadata date handling in MSG documents indexed in HD. (FB8009)
- Resolved a condition where the body of non-English unicode characters may not index with the correct character code. (FB8095)
- Resolved an issue where the modified date in RAR archives was off by one month. (FB8096)
- Text/HD Mode: Extended the SHOWHIDDEN option for RTF documents. (FB8124)
- HD Mode: Resolved an issue in which corrupt or unknown document formats would cause an error when scanning MS Word documents. (FB8147)
- HD Mode: Resolved an issue where cell background colors would display incorrectly in MS Excel documents. (FB8173)
- Resolved an issue where dashes were being removed prior to indexing, causing searches to return no results. (FB8180)
- HD Mode: Improved the handling of MS PowerPoint files. (FB8212)
- Fixed an issue where certain WPD file could cause a hang. (FB8215)
- Improved the detection of temporary environment variables in HD output modes. (FB8216)
- Resolved an issue in HD where attempting to open an XLS file would give a "17" error. (FB8219)
- Resolved an issue with HD where OLE objects may report the processing of subfiles even though the Supports Subfiles parameter is set to False. (FB8230)
- HD Mode: Resolved an issue where line numbers displayed incorrectly in MS Word documents. (FB8235)
- HD Mode: Improved the text spacing for some bullet lists and right-side alignment of justified text for MS Word documents. (FB8236)
- HD Mode: Fixed a problem due to out-of-range dates in MS Excel documents. (FB8262)



## Perceptive Enterprise Search / Perceptive Workgroup Search

- Added MoveToFirst and MoveToLast buttons to all tables in the Admin site to improve navigability when more than one page of content is present. (FB7117)
- Improved the search result file copy behavior in Workgroup to skip failures and continue copying the remaining items. (FB7786)
- Extended Best Bet functionality to work when multiple indexes are selected. (FB8055)
- Workgroup users may now navigate back and forth between email messages and associated attachments for all supported email formats. (FB8126)
- Hovering on image results from Flickr now shows the image title rather than the URL. (FB8138)
- Fixed an error condition that may occur when attaching remote indexes, which use HTTPS with self-signed certificates. (FB8153)
- Resolved a potential access violation during indexing when processing a PST via 64-bit MAPI with Email Rules. (FB8156)
- Resolved a network path error when using Subscribed Search with an IIS-bound web site. (FB8171)
- Corrected an issue with federation between one server, with basic authentication, and another server, with forms authentication. (FB8174)
- Resolved a problem that caused the document launch button in Research Accelerator not to work with network shares. (FB8175)
- Resolved a condition that could result in an invalid URL when attempting to view the metadata of a search result. (FB8184)
- Corrected an issue with source filters on remote indexes. (FB8185)
- Fixed the ExplicitExtension parameter to work for any specified extension. (FB8194)
- Added the ability to turn SSLv2 off by editing the ISYSweb.cfg. (FB8201)
- Resolved a condition where running a Concept Taxonomy could trigger an access violation. (FB8205)
- Research Accelerator: Resolved an issue where a login screen may appear when accessing an individual result. (FB8206)
- Resolved several sorting scenarios that were not working correctly when using IW\_SORT through the REST API. (FB8207)
- Closed a potential reflective cross-site scripting security risk. (FB8209)
- Corrected an issue where CacheSecurityDescriptors could prevent index backups. (FB8210)
- Corrected an issue where HTML encoded characters are not encoded in metadata. (FB8224)
- Content disposition headers are now correctly applied to HTTP document downloads. (FB8226)
- Improved the query type selection in Research Accelerator. (FB8228)
- Resolved a scenario where hit-highlighting would not mark hits on some MS Word documents. (FB8240)
- Resolved a problem when downloading search results from within PST files on an IIS hosted site. (FB8241)

- Resolved a potential "Access Denied" error when opening documents with extensions not associated to a particular application in Workgroup. (FB8243)
- Resolved an issue where the "View Image" button in Perceptive Workgroup Search may be incorrectly disabled. (FB8246)
- Resolved an issue where attachments, exported from an NSF file, are named incorrectly, creating an unusable file. (FB8252)
- Enhanced the number of results preferences to apply to all search pages. (FB8254)
- Resolved an issue where the proxy server setting in Maintenance may bypass any exclusion server/IP in the "No Proxy For" setting. (FB8256)
- HD Mode: Enhanced hit-highlighting for terms that are a combination of numbers and letters (e.g. C56607). (FB8257)
- Resolved an issue where the associated document launch would not launch the native application. (FB8291)
- Resolved a potential cross site scripting vulnerability on error pages. (FB8313)
- Fixed a condition where Intelligent Agent may spawn multiple processes when monitoring for content updates. (FB8316)
- Resolved an issue handling Germanic umlauts in the document path on relative indexes. (FB8346)
- Resolved an issue with the 'Path Contains' query filter when an umlaut character is part of the path. (FB8350)
- Increased the search term max limit from 255 query terms to a new limit of 32,767. (FB8372)
- Resolved an issue with long URLs crashing the spider indexer. (FB8389)
- Corrected an issue with spidered indexes of German websites. (FB8395)
- Resolved a potential failure for non-English Enterprise installs when the installer registers the service to: Network Service. (FB8524)
- Fixed a potential memory access violation when running a query with 3 or more IW\_Parametric values. (FB8577)
- Resolved a condition where Hebrew indexes would have mis-named category names. (FB8583)
- Corrected metadata location of ISYSINDEXINGOFF tag for spidered indexes. (FB8595)
- Improved Russian language stemming capabilities. (FB8608)
- Resolved a potential error response the in REST API when using a forward slash in a quoted query. (FB8613)
- Resolved a condition in the Admin site where the Language Rules selection was not applied. (FB8614)
- Resolved an error condition when using a WebStyle query that is quoted and contains a reserved symbol. (FB8615)
- Resolved an incorrect encoding problem when returning Russian results from a remote index. (FB8616)
- Resolved a condition where IW\_Sort was not sorting whole numbers. (FB8618)

- Updated Enterprise Search Alerts to allow notifications for both Success and Failure messages. (Perceptive Enterprise Search)