Release Notes
3-Heights™ and Classic PDF Tools

Version 4.11.25.6

PDF-TOOLS.COM
Premium PDF Technology
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Release Notes, December 25, 2018 | 1/22
1 Overview

The 3-Heights™ PDF tools represent the most recent product line from PDF Tools AG. The 3-Heights™ PDF tools are available as programming libraries (APIs), command line tools and Windows services. The tools allow for a wide variety of manipulation of PDF files including viewing, printing, extracting of information, conversion, digitally signing, validation, repairing, and optimization.

The Classic PDF Tools (formerly known as GLANCE Tools) represent the original product line from PDF Tools AG. Similar to the 3-Heights™ product line the Classic PDF Tools are available as programming libraries (APIs) and command line shell versions but not Windows services. The tools are packaged in two products, the Command Line Suite and the Prep Tool Suite.

1.1 How to Download the Trial Software

The 3-Heights™ PDF tools can be downloaded from the product description pages on https://www.pdf-tools.com/. There is no charge for downloading product kits and evaluation license keys (valid for a 30 day period).

1.2 Technical Support

Please report problems by contacting our support team by mail: pdfsupport@pdf-tools.com

1.3 Operating Systems

Most of the products are available for the following operating systems:

- Windows 7, 8, 8.1, 10 – 32 and 64 bit
- HP-UX 11i and later PA-RISC2.0 – 32 bit
- HP-UX 11i and later ia64 (Itanium) – 64 bit
- IBM AIX 6.1 and later – 64 bit
- Linux 2.6 – 32 and 64 bit
- Oracle Solaris 2.8 and later, SPARC and Intel
- FreeBSD 4.7 and later (32 bit) or FreeBSD 9.3 and later (64 bit, on request)
- macOS 10.4 and later – 32 and 64 bit

Windows Vista is no longer supported by this version.

Some tools are only available on Windows platforms. These are:

- PDF Producer
- Document Converter
- The components which are based on the GDI-based rendering engine: PDF Viewer, PDF Printer, PDF to EMF Converter

Some GDI-based tools have been ported to the new rendering engine which is available on all platforms. These tools have the suffix R2 in their names such as the PDF-to-Image Converter R2.

Other platforms are available on request. Please refer to the individual product information on the website or in the respective manual to obtain information on supported operating system platforms.

1.4 Compiler Versions

The release kits are generated with the following compiler versions for C/C++:
### Platform

<table>
<thead>
<tr>
<th>Platform</th>
<th>Compiler</th>
<th>Library</th>
</tr>
</thead>
<tbody>
<tr>
<td>Windows</td>
<td>MSVC 14.0</td>
<td>toolset v140_xp</td>
</tr>
<tr>
<td>macOS 10.5 x86</td>
<td>gcc 4.0.1</td>
<td>glibc 1.0.0</td>
</tr>
<tr>
<td>Linux Intel</td>
<td>gcc 4.1.2</td>
<td>glibc 2.5</td>
</tr>
<tr>
<td></td>
<td>gcc 4.7</td>
<td>glibc 2.22</td>
</tr>
<tr>
<td>FreeBSD Intel/x64</td>
<td>gcc 4.1.2</td>
<td>glibc 2.3</td>
</tr>
<tr>
<td>Oracle Solaris 5.10/SPARC</td>
<td>gcc 3.4.6</td>
<td>glibc 1.2.10</td>
</tr>
<tr>
<td>Oracle Solaris 5.10/Intel</td>
<td>gcc 3.4.6</td>
<td>glibc 1.2.10</td>
</tr>
<tr>
<td>IBM AIX 6.1</td>
<td>gcc 4.6.4</td>
<td>glibc 2.3</td>
</tr>
<tr>
<td>HP UX 11.i (11.23)</td>
<td>gcc 4.1.2</td>
<td>glibc 2.3</td>
</tr>
<tr>
<td>HP UX 11.23 IA64</td>
<td>gcc 4.6.0</td>
<td>glibc 2.3</td>
</tr>
<tr>
<td>Raspian 7/Linux 3.18 ARMv7</td>
<td>gcc 4.6.3</td>
<td>glibc 2.14.1</td>
</tr>
</tbody>
</table>

### 1.5 Runtime Environment

The Windows variants of the components have been compiled with Visual Studio 2015. The C++ based components are statically linked so there is no need for a redistributable package.

The C++ code has been compiled and linked using the v140_xp toolset. Although, the software may run on Windows XP systems we only provide support for operating systems which are listed under system requirements.

.NET based solutions and desktop applications such as the 3-Heights™ Document Converter, the 3-Heights™ Document Assembler and the 3-Heights™ PDF Viewer, are compiled with version 4.5.2 of the .NET Framework. Although the code has been developed using C#, these components may require a C++ redistributable package as they are combined with native C++ code.

For .NET components (API), version 2.0 of the .NET Framework is required.

For Java components (API), version 1.6 is required as minimum runtime version.
2 New and Enhanced Products

2.1 3-Heights™ PDF OCR

The 3-Heights™ PDF OCR enhances PDF documents using information detected by an OCR engine. All text in PDF documents can be made extractable, regardless of how text is included in the document. Specifically, text in images, text written with vector graphics or other graphical effects (e.g., transparency effects), or text using a font that does not provide extractable text (i.e., Unicode information) can be detected.

Tagging of OCR text for accessibility is supported. This is useful as preparation for PDF/A level A conversion or to process tagged documents.

Detected barcodes and QR codes can be extracted or embedded into the document's metadata.

The product is optimized for performance, which guarantees low latency and high document throughput. This is achieved by minimizing the number of required OCR operations. Furthermore, OCR operations are executed asynchronously, if supported by the OCR engine.

The product is available for all operating systems as shell and API variant.

2.1.1 Patches

Note that the version number of the initial "final release" is 4.11.25.1.

**Patch 4.11.25.2**

- **Improved** OCR resolution calculation for specific images.

**Patch 4.11.25.3**

- **Improved** performance by reducing memory consumption.
- **Changed** PageOcrMode None to not produce page OCR text (see chapter "OCR Result Processing" in user manual).

**Patch 4.11.25.4**

- **Improved** generation of PDF documents with cross-reference streams.
- **Improved** recovery of missing color space from JPX (JPEG2000) compressed image data.

2.2 PDF 2.0

The new [ISO 32000-2 standard (PDF 2.0)](https://www.iso.org/standard/54875.html) was released in July 2017. More information on the standard can be found at [PDF 2.0 — Next Generation](https://www.adobe.com/products/pdf/). With this release of 3-Heights™ software, PDF 2.0 files can be read and written. The new rendering engine can also render PDF 2.0 files perfectly. Processing functions, such as merge, split, optimization and more, will not be supported until the next releases. The products of the Classic line are currently rejecting the processing of PDF 2.0 files.

2.3 PAdES

We have implemented the new PAdES standard in our software such that digital signatures in PDF can be easily created, updated and verified in applications that need to conform to the European eIDAS regulations.
3 New Features to Classic Products

- PDF 2.0 input detection and rejection
- pdinfo: list PDF version (including PDF 2.0)
- pdmerge: new option -ax to supply XMP metadata

3.1 Classic PDF Batch Stamp Tool

No functional changes.

3.2 Classic PDF Prep Tool Suite

No functional changes.
4 New Features to 3-Heights™ Products

Some of the documented changes below may be preceded by a marker that specifies the interface technologies the change applies to. E.g. [C, Java] applies to the C and the Java interface.

4.1 3-Heights™ AFP to TIFF Conversion Utility

No functional changes.

4.2 3-Heights™ Certificate Store Utility for PKCS#11

No functional changes.

4.3 3-Heights™ PDF Document Assembler

- **New** support for reading and writing PDF 2.0 documents.
- **New** support for the creation of output files larger than 10GB (not PDF/A-1).
- **Improved** search in installed font collection to also find fonts by other names than TrueType or PostScript names.
- **Improved** font subsetting of CFF and OpenType fonts.
- **Improved** repair of corrupt image streams.
- **New** Optimization profile: Optimize for archive

4.4 3-Heights™ Document Converter

- **New** support for reading and writing PDF 2.0 documents.
- **New** support for the creation of output files larger than 10GB (not PDF/A-1).
- **Improved** repair of corrupt image streams.
- Digital Signatures
  - **New** ability to sign documents that are larger than 2GB (64-bit version only).
- Stamping
  - **New** default compression Flate for PNG images.
- **Improved** MS Word DOCX processing: attached templates are removed before conversion (avoid load attempt when path is not local)
- **New** support for OXPS format
- **New** options TEXT.TITLE and TEXT.LANG for text to PDF conversion (TXT2PDF)
- **Improved** Email header formatting support for finer styling granularity of header items, such as skipped and failed attachments

4.4.1 Patches

Note that the version number of the initial “final release” is 4.11.25.1.

**Patch 4.11.25.2**

- **Improved** Worker startup when no users logged on.
- **Improved** OCR resolution calculation for specific images.
Patch 4.11.25.3

- Improved conversion of Date time zone offset of MSG files.
- Improved preprocessing of XLSM documents to resolve conflicts of predefined names.
- Improved page counter retrieval by configuration tool.
- Improved resizing of oversize images embedded in mail bodies.
- Improved handling of OCR processing warnings and error logging
- Improved automatic orientation adjustment when converting images to PDF

Patch 4.11.25.4

- Improved generation of PDF documents with cross-reference streams.
- Improved recovery of missing color space from JPX (JPEG2000) compressed image data.
- Improved conversion of embedded files in PDF: Do not try to convert files to PDF/A that are no PDF documents (notably when using the options EMBEDSOURCE).
- Improved SSL/TLS compatibility for downloading HTML resources
- Improved handling of PDF 2.0 input files
- Improved stamping of annotations onto pages that have a shared (corrupt) annotation list.

4.5 3-Heights™ Font to PDF Utility

No functional changes.

4.6 3-Heights™ Image Compare Utility

No functional changes.

4.7 3-Heights™ Image to PDF Converter

- New support for reading and writing PDF 2.0 documents.
- Improved font subsetting of CFF and OpenType fonts.
- Improved repair of corrupt image streams.

API Img2PdfAPI

No functional changes.

4.7.1 Patches

Note that the version number of the initial “final release” is 4.11.25.1.

Patch 4.11.25.2

- Changed behavior in Img2Pdf interface, method SetPageSize disables AdjustPage.
- Changed behavior in Img2PdfSvr, option -sp (set page dimension) disables option -a (adjust page).
- Changed behavior in Img2pdf, option -sp (set page dimension) disables option -a (adjust page).
Patch 4.11.25.4

- **Improved** generation of PDF documents with cross-reference streams.
- **New** support for encryption according to PDF 2.0 (revision 6, replaces deprecated revision 5).

4.8 3-Heights™ OCR Enterprise Add-on

**Plugin service**

- **New** feature: Intelligent load balancing.
- **New** feature: Backpressure to avoid overload.
- **Improved** handling of many concurrent requests.
- **New** feature: Asynchronous processing.
- **New** feature: Support for recognition of document structure information.

**Server configuration file OcrSvr.xml**

- **New** attribute `max-queue` to specify the maximum internal job queue size.

**Client configuration file ocrserver.ini**

- **New** key `Proxy` to specify a proxy server for all connections.
- **New** key `Timeout` to specify the general response timeout.
- **New** key `BlockingTimeout` to specify the response timeout for explicitly blocking operations.
- **New** key `NonBlockingTimeout` to specify the response timeout for explicitly non-blocking operations.

**Plugin abbyy11**

- **New** feature: Recognition of page structure elements like blocks, paragraphs, headings and tables.
- **New** feature: Recognition of individual character position and suspicious characters.
- **New** feature: Recognition of text locale (language).
- **Improved** license reloading in case the credits are exhausted.

**Plugin abbyy10**

- **New** feature: Recognition of individual character position and suspicious characters.
- **Improved** license reloading in case the credits are exhausted.

4.8.1 Patches

Note that the version number of the initial “final release” is 4.11.25.1.

**Patch 4.11.25.3**

- **Fixed** a crash that could occur under heavy load.
Patch 4.11.25.4

- Fixed a potential crash.

4.9 3-Heights™ PDF Analysis & Repair

- New support for reading and writing PDF 2.0 documents.
- New support for the creation of output files larger than 10GB (not PDF/A-1).
- New treatment of the DocumentID. In contrast to the InstanceID the DocumentID of the output document is inherited from the input document.

**API PdfRepairAPI**

No functional changes.

**Shell pdfrepair**

No functional changes.

**Service PdfRepairSvr**

No functional changes.

4.9.1 Patches

Note that the version number of the initial “final release” is 4.11.25.1.

**Patch 4.11.25.4**

- Improved generation of PDF documents with cross-reference streams.
- Improved recovery of missing color space from JPX (JPEG2000) compressed image data.

4.10 3-Heights™ PDF Annotation API

- New support for reading PDF 2.0 documents.

4.11 3-Heights™ PDF Checker API

- New support for reading PDF 2.0 documents.

4.12 3-Heights™ PDF Compare Utility

- Improved option -o to write Unicode log file.
- Improved context information for certain types of objects.
- Improved comparison of documents with ambiguous mapping between objects.
4.13 3-Heights™ PDF Creator Library

- **New** support for writing PDF 2.0 documents.
- **New** support for the creation of output files larger than 10GB (not PDF/A-1).
- **Improved** search in installed font collection to also find fonts by other names than TrueType or PostScript names.
- **Improved** font subsetting of CFF and OpenType fonts.

**Enumeration Conformance**


4.14 3-Heights™ PDF Extract

- **New** support for reading PDF 2.0 documents.
- **Improved** repair of corrupt image streams.

**API PdfExtractAPI**

- [PHP] **New** interface for Windows and Linux. Supported versions are PHP 5.6 & 7.0 (non thread safe). The PdfParser PHP interface is contained in the 3-Heights™ PDF Tools PHP5.6 Extension and the 3-Heights™ PDF Tools PHP7.0 Extension.
- [C] **Changed** 32-bit binaries on Windows that link to the API need to be recompiled due to a change of the used mangling scheme.
- [.NET, C, COM, Java, PHP] **New** Interface DPartNode, Interface DPartRoot, and Interface PageRange to allow the extraction of document parts from a PDF 2.0 or a PDF/VT document.

**Interface Annotation**

- [.NET, C, COM, Java] **New** property QuadPoints for extracting annotation quad points.

**Interface Document**

- [.NET, C, COM, Java, PHP] **New** property DPartRoot for extracting the document part information.

**Interface DPartNode**

- [.NET, C, COM, Java, PHP] **New** property ChildrenCount and method Child for extracting the child nodes of a document part node.
- [.NET, C, COM, Java, PHP] **New** property DPM to extract a node’s document part metadata.
- [.NET, C, COM, Java, PHP] **New** property PageRange to extract a node’s page range.

**Interface DPartRoot**

- [.NET, C, COM, Java, PHP] **New** property UserNameCount and method UserName for extracting the document parts’ name list.
- [.NET, C, COM, Java, PHP] **New** property RecordLevel for extracting the document parts’ record level.
- [.NET, C, COM, Java, PHP] **New** property RootNode to access the root node in the document part hierarchy.
Interface PageRange

- [.NET, C, COM, Java, PHP] New properties First and Last to access the first and last page number in a page range.

Interface PDFObject

- [.NET, C, COM, Java, PHP] New property TextStringValue to extract the value of a string PDF object as a decoded string.

Interface Text

- [.NET, C, Java, PHP] New property QuadPoints for extracting the enclosing parallelogram.

Shell pdfextract

- Improved reporting of colorants for pattern color spaces.

Shell pdtxt

No functional changes.

4.15 3-Heights™ PDF Merge Split

- New support for reading and writing PDF 2.0 documents.
- New support for the creation of output files larger than 10GB (not PDF/A-1).
- New optimization of output file size for documents that contain structure information.
- New support for the creation of appearance streams for free text annotations that contain rich text content.

API PdfSplMrgAPI

No functional changes.

Shell pdfsplmrg

- New treatment of the DocumentID. In contrast to the InstanceID the DocumentID of the output document is inherited from the input document when copying a single document.

Shell pdfsplitpage

No functional changes.
4.15.1 Patches

Note that the version number of the initial “final release” is 4.11.25.1.

Patch 4.11.25.4

- Improved generation of PDF documents with cross-reference streams.
- Fixed an issue that prevented linearization the output PDF when storing in memory.
- New support for encryption according to PDF 2.0 (revision 6, replaces deprecated revision 5).

4.16 3-Heights™ PDF Optimizer

- New support for reading and writing PDF 2.0 documents.
- New support for the creation of output files larger than 10GB (not PDF/A-1).
- Improved font subsetting of CFF and OpenType fonts.
- Improved repair of corrupt image streams.
- New treatment of the DocumentID. In contrast to the InstanceID the DocumentID of the output document is inherited from the input document.
- New support for the creation of appearance streams for free text annotations that contain rich text content.

API PdfOptimizeAPI

- [.NET, C, COM, Java, PHP] Changed enum TPDFPermission: Added a new value ePermSameAsInput to adopt the encryption parameters from the input document.

Shell pdfoptimize

- Changed option -p: Added a new value i to adopt the encryption parameters from the input document.

Service PdfOptimizeSvr

- Changed option -p: Added a new value i to adopt the encryption parameters from the input document.
- New directory Logs in which an error log file is generated for each failed operation.
- Improved robustness of the watched folder service.

4.16.1 Patches

Note that the version number of the initial “final release” is 4.11.25.1.

Patch 4.11.25.3

- Fixed a font merging issue for certain CID fonts.

Patch 4.11.25.4

- Fixed a performance issue for certain types of documents.
- Fixed an issue which prevented small images from being excluded from MRC.
- **Improved** generation of PDF documents with cross-reference streams.
- **Improved** recovery of missing color space from JPX (JPEG2000) compressed image data.
- **Fixed** an issue that prevented linearization the output PDF when storing in memory.
- **New** support for encryption according to PDF 2.0 (revision 6, replaces deprecated revision 5).

**Patch 4.11.25.5**

- **Improved** loading and repair of embedded TrueType fonts with corrupt composite glyphs.

### 4.17 3-Heights™ PDF Printer

- **New** support for reading PDF 2.0 documents.

**API PrinterOCX**

- **New** Property `PrinterStatus` queries the current status of the printer.
- **New** Property `PrinterStatusMessage` provides a human readable message listing all active statuses.

**Shell pdprint**

- **New** option `-dmax`: Set the maximum DPI that is used for images sent to the printer. Useful for printers with low memory capacity.
- **New** option `-st`: Query the current printer status before printing

**Service PdfPrintSvr**

No functional changes.

### 4.17.1 Patches

Note that the version number of the initial “final release” is 4.11.25.1.

**Patch 4.11.25.4**

- **Improved** recovery of missing color space from JPX (JPEG2000) compressed image data.

**Patch 4.11.25.5**

- **Improved** loading and repair of embedded TrueType fonts with corrupt composite glyphs.

### 4.18 3-Heights™ PDF Producer

- **New** support for the creation of output files larger than 10GB (not PDF/A-1).
- **Improved** font subsetting of CFF and OpenType fonts.

### 4.18.1 Patches

Note that the version number of the initial "final release" is 4.11.25.1.

**Patch 4.11.25.2**

- **Fixed** an installer issue, leading to a failing driver (un-)installation.

### 4.19 3-Heights™ PDF Security

- **New** support for reading and writing PDF 2.0 documents.
- **New** support for the creation of output files larger than 10GB (not PDF/A-1).
- **Improved** search in installed font collection to also find fonts by other names than TrueType or PostScript names.
- **New** treatment of the DocumentID. In contrast to the InstanceID the DocumentID of the output document is inherited from the input document.

**Digital Signatures**

- **New** support to create Document Time-Stamp signatures using Swisscom All-in Signing Service.
- **New** ability to sign documents that are larger than 2GB (64-bit version only).

**Stamping**

- **New** default compression Flate for PNG images.

### API PdfSecureAPI

- [.NET, C, COM, Java, PHP] **Changed** enum TPDFPermission: Added a new value ePermSameAsInput to adopt the encryption parameters from the input document.

### Interface PdfSecure

- **New** property DocMdpPermissions: Return the document access permissions of a DocMDP signature.
- **[PHP] Removed** the method Terminate: It is now called automatically by the "PdfTools" PHP extension and has thereby been rendered obsolete.

### Shell pdfsecure

- **Changed** option -p: Added a new value i to adopt the encryption parameters from the input document.
- **New** option -afn: to specify name of signature form field. This can be used to specify the name of a new form field or to sign an existing one.

### Service PdfSecureSvr

- **Changed** option -p: Added a new value i to adopt the encryption parameters from the input document.
- **New** directory Logs in which an error log file is generated for each failed operation.
4.19.1 Patches

Note that the version number of the initial “final release” is 4.11.25.1.

**Patch 4.11.25.4**

- **Improved** stamping of annotations onto pages that have a shared (corrupt) annotation list.
- **Improved** generation of PDF documents with cross-reference streams.
- **Fixed** an issue that prevented linearization the output PDF when storing in memory.
- **New** support for encryption according to PDF 2.0 (revision 6, replaces deprecated revision 5).

**Patch 4.11.25.5**

- **Fixed** issue in **Close** that caused non-signing operation to fail after signing operation if same **PdfSecure** object is used.

**Patch 4.11.25.6**

- **Changed** validation criteria for CRLs to accept CRL for certificate issued between the issue date of this and the next CRL (between **thisUpdate** and **nextUpdate**).

4.20 3-Heights™ PDF Studio Utility

No functional changes.

4.21 3-Heights™ PDF to EMF Converter

- **New** support for reading PDF 2.0 documents.

4.22 3-Heights™ PDF to Image Converter

- **New** support for reading PDF 2.0 documents.
- **Improved** search in installed font collection to also find fonts by other names than TrueType or PostScript names.

**API Pdf2ImgR2API**

No functional changes.

**Shell pdf2imgR2**

- **Improved** option `-pgs` to also address pages from the back of the document as well as reordering pages freely.

**Service Pdf2ImgSvrR2**

No functional changes.
4.22.1 Patches

Note that the version number of the initial “final release” is 4.11.25.1.

Patch 4.11.25.4
- Improved recovery of missing color space from JPX (JPEG2000) compressed image data.

Patch 4.11.25.5
- Improved loading and repair of embedded TrueType fonts with corrupt composite glyphs.

4.23 3-Heights™ PDF to PDF/A Converter

- New support for reading PDF 2.0 documents.
- New support for the creation of output files larger than 10GB (not PDF/A-1).
- Improved search in installed font collection to also find fonts by other names than TrueType or PostScript names.
- Improved font subsetting of CFF and OpenType fonts.
- Improved repair of corrupt image streams.
- New treatment of the DocumentID. In contrast to the InstanceID the DocumentID of the output document is inherited from the input document.
- New font substitution for CJK (Chinese, Japanese, Korean) fonts if an exact match is missing.
- Improved conversion of files with optional content (layers) to minimize visual differences while also preserving all content.
- New support for the creation of appearance streams for free text annotations that contain rich text content.
- Digital Signatures
  - New ability to sign documents that are larger than 2GB (64-bit version only).

API Pdf2PdfAPI

Interface Pdf2Pdf

- New property TryConvertEmbPDF to activate conversion of embedded PDF documents (PDF/A-3 only).
- [PHP] Removed the method Terminate: It is now called automatically by the “PdfTools” PHP extension and has thereby been rendered obsolete.

Shell pdf2pdf

- New option -cef to activate conversion of embedded PDF documents (PDF/A-3 only).

Service Pdf2PdfSvr

- New option -cef to activate conversion of embedded PDF documents (PDF/A-3 only).


4.23.1 Patches

Note that the version number of the initial “final release” is 4.11.25.1.

Patch 4.11.25.2

- Improved stability of embedded font selection for specific fonts.

Patch 4.11.25.4

- Improved conversion of OCR fonts that have a corrupt or invalid embedded font program.
- Improved generation of PDF documents with cross-reference streams.
- Improved recovery of missing color space from JPX (JPEG2000) compressed image data.
- Improved conversion of embedded files: Do not try to convert files to PDF/A that are no PDF documents (notably when using TryConvertEmbPDF).
- Fixed an issue that prevented linearization the output PDF when storing in memory.
- New support for encryption according to PDF 2.0 (revision 6, replaces deprecated revision 5).

Patch 4.11.25.5

- Fixed serialization of certain shared PDF objects, that resulted in post analysis errors.
- Improved loading and repair of embedded TrueType fonts with corrupt composite glyphs.
- Fixed crash when formatting certain validation error messages of the DCT decoding filter.

4.24 3-Heights™ PDF Toolbox API

- New support for reading and writing PDF 2.0 documents.
- New support for the creation of output files larger than 10GB (not PDF/A-1).
- Improved search in installed font collection to also find fonts by other names than TrueType or PostScript names.
- Improved font subsetting of CFF and OpenType fonts.
- New optimization of output file size for documents that contain structure information.

Interface Document

- [.NET, C, Java] Changed method CreateDeviceColorSpace: PDF/A conformance of the document is now removed if not explicitly requested and if no output intent is set.

Enumeration Conformance


4.24.1 Patches

Note that the version number of the initial “final release” is 4.11.25.1.

Patch 4.11.25.3

- Fixed memory leak (128 bytes) when releasing stream object returned by property Xmp of Metadata interface.
Patch 4.11.25.4

- **Improved** generation of PDF documents with cross-reference streams.
- **New** support for encryption according to PDF 2.0 (revision 6, replaces deprecated revision 5).

### 4.25 3-Heights™ PDF Uncompress Utility

- **New** option `-c` to re-compress a file that has previously been uncompressed.
- **New** option `-b` to uncompress all data, even binary.

### 4.26 3-Heights™ PDF Validator

- **New** support for reading PDF 2.0 documents.

**API PdfValidatorAPI**

No functional changes.

**Shell pdfvalidator**

No functional changes.

#### 4.26.1 Patches

Note that the version number of the initial “final release” is 4.11.25.1.

**Patch 4.11.25.4**

- **Changed** validation of certain numbers: Use lax validation according to the PDF Association's TechNote 0010 for certain numbers that have no effect on the visual appearance of the document.

**Patch 4.11.25.5**

- **Fixed** crash when formatting certain validation error messages of the DCT decoding filter.

### 4.27 3-Heights™ PDF Viewer

- **New** support for reading PDF 2.0 documents.

**API PdfViewerOCX**

No functional changes.

**API PdfViewerAPI**
No functional changes.

**API PdfViewerWPF**
No functional changes.

**Desktop viewer**
No functional changes.

### 4.28 3-Heights™ Scan to PDF Server
- **New** support for reading and writing PDF 2.0 documents.
- **New** support for the creation of output files larger than 10GB (not PDF/A-1).
- **Improved** search in installed font collection to also find fonts by other names than TrueType or PostScript names.
- **Improved** font subsetting of CFF and OpenType fonts.

**Component ScanServer.Root**
- **New** attribute `lock-files` on `<InputFolder>` element to configure whether input files are locked during processing.
- **Changed** the default value from "true" to "false".

**Component Tiff.ExtractOcrData**
- **Changed** OCR XML format (version 3)

### 4.29 3-Heights™ Signature Creation and Verification Service
No functional changes.

### 4.30 3-Heights™ Text to PDF Converter
- **New** support to create a PDF/A level A (PDF/A-1a, PDF/A-2a, PDF/A-3a) file without document title and language.

### 4.31 3-Heights™ TIFF Toolbox Shell
- **New** support for reading and writing PDF 2.0 documents.
- **Changed** OCR XML format (version 3)

### 4.31.1 Patches
Note that the version number of the initial “final release” is 4.11.25.1.

**Patch 4.11.25.4**
- **Improved** generation of PDF documents with cross-reference streams.
4.32 3-Heights™ TIFF Toolbox API

- **New** support for reading and writing PDF 2.0 documents.

4.32.1 Patches

Note that the version number of the initial “final release” is 4.11.25.1.

**Patch 4.11.25.4**

- **Improved** generation of PDF documents with cross-reference streams.

4.33 3-Heights™ XMP Generator

No functional changes.
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