



Release Notes

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3-Heights® and Classic PDF Tools

Version 6.18.4



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1 Overview

The 3-Heights® PDF tools represent the second-generation 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.

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 Client 7+ | x86 and x64
- Windows Server 2008, 2008 R2, 2012, 2012 R2, 2016, 2019 | x86 and x64
- Linux:
 - Red Hat, CentOS, Oracle Linux 7+ | x64
 - Fedora 29+ | x64
 - Debian 8+ | x64
 - Other: Linux kernel 2.6+, GCC toolset 4.8+ | x64
- macOS 10.10+ | x64

'+' indicates the minimum supported version.

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

- Document Converter
- PDF Printer

1.4 Compiler Versions

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

Platform	Compiler	Library
Windows	MSVC 14.23	toolset v142
macOS 10.10 x64	clang 10.0.0	
Linux x64 (GLIBC2.17)	gcc 4.8	glibc 2.17

1.5 Runtime Environment

The Windows variants of the components have been compiled with Visual Studio 2019. 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 v142 toolset.

.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 Changes to 3-Heights® Products in Versions 6.13–6.18

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.

2.1 3-Heights® Document Converter

- **Changed** behavior of option PDFA.SUBSET. When using the value false, embedded fonts are only replaced if they match the installed font.
- **New** support for image format HEIC/HEIF.
- **New** configuration option to control execution of Javascript in Acrobat Reader
- **Improved** DateFormat option for email conversion (can be used as document or job option, culture selection)
- Stamping
 - **New** attribute **layer** of <stamp> to create stamp whose visibility can be controlled by layer.
 - **New** value **transverse** for attribute **align** of <stamp>.
 - **New** variable text element **PageNumber**.
 - **New** variable text elements for document metadata properties, e.g. **Author** or **Title**.
 - **New** prefix **^** for page numbers in attribute **page** of <stamp> to count from back of document.

2.1.1 Patches

Patch 6.18.1

- **Improved** performance reading files with excessive number of compressed object streams.

Patch 6.18.3

- **Improved** stability when reading PDF files with corrupt annotations or certain invalid form fields.
- **Update** license agreement to version 2.9

Patch 6.18.4

- **Improved** performance for PDFs with pages that contain a huge amount of paths.

2.2 3-Heights® Image to PDF Converter

- **New** supported image format HEIC/HEIF.

API Img2PdfAPI

No functional changes.

API TiffToolsAPI

No functional changes.

2.2.1 Patches

Patch 6.18.1

- **Improved** performance reading files with excessive number of compressed object streams.
- **Improved** performance reading files with excessive number of compressed object streams.

Patch 6.18.3

- **Improved** stability when reading PDF files with corrupt annotations or certain invalid form fields.
- **Update** license agreement to version 2.9
- **Improved** stability when reading PDF files with corrupt annotations or certain invalid form fields.
- **Update** license agreement to version 2.9

Patch 6.18.4

- **Improved** performance for PDFs with pages that contain a huge amount of paths.
- **Improved** performance for PDFs with pages that contain a huge amount of paths.

2.3 3-Heights® PDF Analysis & Repair

API PdfRepairAPI

No functional changes.

Shell pdfrepair

No functional changes.

Service PdfRepairSvr

No functional changes.

2.3.1 Patches

Patch 6.18.1

- **Improved** performance reading files with excessive number of compressed object streams.

Patch 6.18.3

- **Improved** stability when reading PDF files with corrupt annotations or certain invalid form fields.

- **Update** license agreement to version 2.9

Patch 6.18.4

- **Improved** performance for PDFs with pages that contain a huge amount of paths.

2.4 3-Heights® PDF Extract

API PdfExtractAPI

- [.NET, C, COM, Java] **Improved** extraction of document parts with missing End entry.

Interface EmbeddedFile

- [.NET, C, COM, Java] **New** properties `AssociationRelationship`, `Description` and `IsInitialDocument`.
- [.NET, C] **New** properties `CreationDate2` and `ModDate2`.

2.4.1 Patches

Patch 6.18.1

- **Improved** performance reading files with excessive number of compressed object streams.

Patch 6.18.3

- **Improved** stability when reading PDF files with corrupt annotations or certain invalid form fields.
- **Update** license agreement to version 2.9

Patch 6.18.4

- **Improved** performance for PDFs with pages that contain a huge amount of paths.

2.5 3-Heights® PDF Merge Split

API PdfSp1MrgAPI

- [.NET, C, Java] **New** methods `OpenStream` and `SaveAsStream` to facilitate the use of streams as input and output.

2.5.1 Patches

Patch 6.18.1

- **Improved** performance reading files with excessive number of compressed object streams.

Patch 6.18.2

- **Improved** merge of complex optional content group (layer) hierarchies.

Patch 6.18.3

- **Improved** stability when reading PDF files with corrupt annotations or certain invalid form fields.
- **Update** license agreement to version 2.9

Patch 6.18.4

- **Improved** performance for PDFs with pages that contain a huge amount of paths.

2.6 3-Heights® PDF OCR

API PdfOcrAPI

No functional changes.

Shell pdfocr

No functional changes.

2.6.1 Patches

Patch 6.18.1

- **Improved** performance reading files with excessive number of compressed object streams.

Patch 6.18.3

- **Improved** stability when reading PDF files with corrupt annotations or certain invalid form fields.
- **Update** license agreement to version 2.9

Patch 6.18.4

- **Improved** performance for PDFs with pages that contain a huge amount of paths.

2.7 3-Heights® OCR Service

Plugin service

No functional changes.

Plugin abbyy11

No functional changes.

Plugin abbyy10

No functional changes.

2.7.1 Patches

Patch 6.18.1

- **Improved** performance reading files with excessive number of compressed object streams.

Patch 6.18.3

- **Improved** stability when reading PDF files with corrupt annotations or certain invalid form fields.
- **Update** license agreement to version 2.9

Patch 6.18.4

- **Improved** performance for PDFs with pages that contain a huge amount of paths.

2.8 3-Heights® PDF Optimizer

API PdfOptimizeAPI

- [.NET, C, Java] **New** methods `OpenStream` and `SaveAsStream` to facilitate the use of streams as input and output.

Shell pdfoptimize

No functional changes.

Service PdfOptimizeSvr

No functional changes.

2.8.1 Patches

Patch 6.18.1

- **Improved** performance reading files with excessive number of compressed object streams.

Patch 6.18.3

- **Improved** stability when reading PDF files with corrupt annotations or certain invalid form fields.
- **Update** license agreement to version 2.9

Patch 6.18.4

- **Improved** performance for PDFs with pages that contain a huge amount of paths.

2.9 3-Heights® PDF Printer

API PrinterOCX

No functional changes.

Shell pdprint

No functional changes.

Service PdfPrintSvr

No functional changes.

2.9.1 Patches

Patch 6.18.1

- **Improved** performance reading files with excessive number of compressed object streams.

Patch 6.18.2

- **Improved** repair of documents with certain incorrectly constructed path objects.

Patch 6.18.3

- **Improved** stability when reading PDF files with corrupt annotations or certain invalid form fields.
- **Update** license agreement to version 2.9

Patch 6.18.4

- **Improved** performance for PDFs with pages that contain a huge amount of paths.

2.10 3-Heights® PDF Security

- Stamping
 - **New** attribute `layer` of `<stamp>` to create stamp whose visibility can be controlled by layer.
 - **New** value `transverse` for attribute `align` of `<stamp>`.
 - **New** variable text element `PageNumber`.
 - **New** variable text elements for document metadata properties, e.g. `Author` or `Title`.
 - **New** prefix `^` for page numbers in attribute `page` of `<stamp>` to count from back of document.

API PdfSecureAPI

Interface PdfSecure

- **New** property `NoDSS`.

Shell pdfsecure

- **New** option `-nd`.

Service PdfSecureSvr

- **New** option `-nd`.

2.10.1 Patches

Patch 6.18.1

- **Improved** performance reading files with excessive number of compressed object streams.

Patch 6.18.3

- **Improved** stability when reading PDF files with corrupt annotations or certain invalid form fields.
- **Update** license agreement to version 2.9

Patch 6.18.4

- **Improved** performance for PDFs with pages that contain a huge amount of paths.

2.11 3-Heights® PDF to Image Converter

API Pdf2ImgR2API

No functional changes.

Service Pdf2ImgSvrR2

No functional changes.

2.11.1 Patches

Patch 6.18.1

- **Improved** performance reading files with excessive number of compressed object streams.

Patch 6.18.3

- **Improved** rendering of asian text for small resolutions.
- **Improved** stability when reading PDF files with corrupt annotations or certain invalid form fields.
- **Update** license agreement to version 2.9

Patch 6.18.4

- **Improved** performance for PDFs with pages that contain a huge amount of paths.

2.12 3-Heights® PDF to PDF/A Converter

API Pdf2PdfAPI

Interface Pdf2Pdf

- **Changed** behavior of property `SubsetFonts`. When using `False` embedded fonts are only replaced if they match the installed font.
- **New** property `NoDSS`.

Shell pdf2pdf

- **New** option `-nd`.

Service Pdf2PdfSvr

- **New** option `-nd`.

2.12.1 Patches

Patch 6.18.1

- **Improved** performance reading files with excessive number of compressed object streams.

Patch 6.18.3

- **Improved** stability when reading PDF files with corrupt annotations or certain invalid form fields.
- **Update** license agreement to version 2.9

Patch 6.18.4

- **Improved** performance for PDFs with pages that contain a huge amount of paths.

2.13 3-Heights® PDF Toolbox API

This product has been superseded by the successor product 4-Heights® PDF Toolbox SDK.

2.14 3-Heights® PDF Validator

API PdfValidatorAPI

No functional changes.

Shell pdfvalidator

No functional changes.

2.14.1 Patches

Patch 6.18.1

- **Improved** performance reading files with excessive number of compressed object streams.

Patch 6.18.3

- **Improved** stability when reading PDF files with corrupt annotations or certain invalid form fields.
- **Update** license agreement to version 2.9

Patch 6.18.4

- **Improved** performance for PDFs with pages that contain a huge amount of paths.

2.15 3-Heights® PDF Web Viewer

This product has been superseded by the successor product 4-Heights® PDF Web Viewer.

2.16 3-Heights® Scan to PDF Server

2.16.1 Patches

Patch 6.18.1

- **Improved** performance reading files with excessive number of compressed object streams.

Patch 6.18.3

- **Improved** stability when reading PDF files with corrupt annotations or certain invalid form fields.
- **Update** license agreement to version 2.9

Patch 6.18.4

- **Improved** performance for PDFs with pages that contain a huge amount of paths.

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