

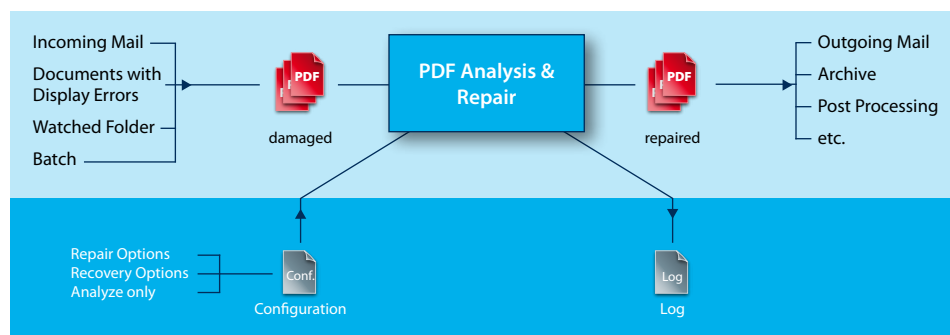


3-Heights™ PDF Analysis & Repair

The 3-Heights™ PDF Analysis & Repair component detects and repairs corrupted PDF documents in automated processing procedures. It repairs defective or illegible PDF documents or restores them as far as possible. Incorrect PDF creation or manipulation, faulty FTP transfers, system crashes during creation, network interruptions or incomplete copying can all render PDF documents illegible. This can result in the loss of important data and, as a consequence, the loss of information or production downtimes. The 3-Heights™ PDF Analysis & Repair component analyses PDF documents with regard to PDF specifications and repairs them where indicated. It extracts legible content such as images or page fragments from irreparable documents and saves the data as a new document.

Product Variants

API	Shell	Service	Desktop



Properties and Benefits

Firstly, 3-Heights™ PDF Analysis & Repair restores files that do not meet PDF specifications. Secondly, it can read out elements such as pages or images from illegible PDF documents and save them as a new document.

The 3-Heights™ PDF Analysis & Repair tool guarantees the quality and legibility of PDF documents in all business processes. The component is characterized by its high speed, comprehensive mechanisms for analysis and repair and its suitability for a variety of operating systems.

Areas of Use

Archiving

The component enables quality checks to be carried out prior to archiving. Defective

PDF documents are repaired in good time or removed from the archiving process.

Incoming Mail

Incoming or scanned PDF documents received as mail are thoroughly analyzed and repaired on the basis of a customized profile. This process subjects PDF documents to a strict quality control check before they are released.

Outgoing Mail

It is also possible to use the PDF Analysis & Repair component to apply quality controls to outgoing mail. Documents are checked prior to conversion to a print format such as PCL or Postscript to avoid rejects and idle time, thus increasing efficiency. It should be assured that recipients of PDF documents dispatched by email receive a legible and utilizable PDF document.

Technical details

Formats

Input Formats

- PDF

Output Formats

- PDF

Compliance

- Standards: ISO 32000 (PDF 1.7)

Platforms

Operating Systems

- Windows 2000, XP, Vista, 7
- Windows Server 2003, 2008, 2008 R2 – 32 and 64 Bit
- HP-UX – 32 Bit and Itanium
- IBM AIX – 32 and 64 Bit
- Linux (SuSE and Red Hat on Intel)
- Mac OS X
- Sun Solaris

Interfaces and Languages

Interfaces

- API (C, Java, .NET, COM)

Programming Languages

All program libraries are written in efficient and thread-safe C++. API offers a selection of the following connections to programming languages:

- C#, VB .NET, J# via .NET
- Java via JNI
- MS Visual Basic, Borland Delphi, MS Office products such as Access and C++ via COM
- C and C++ via native C

Variants and Options

Product Variants

- Shell tool (command line)
- API (programming interface)
- Windows service (system service)
- Windows desktop

Performance Characteristics

- High sensitivity in corruption detection
- Comprehensive repair functions
- Restoration of available data from illegible documents
- High restoration speed
- Definition of customized repair profiles for different output documents
- Platform independent

Functions

- Analyze and/or repair one or more PDF documents
- Set analysis options
- Set repair options
 - Repair defective data streams
 - Repair defective fonts
 - Restore defective pages
 - Restore defective PDF structures
 - Restore lost content such as images
- Read encrypted PDF documents
- Encrypt restored documents and set permission flags
- Read and write PDF documents directly from file or memory
- Descriptions for error messages

