

## The PDF/A workflow

**Convert, Create, Sign, Validate, View, Print**

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**DMS Cologne  
September 25-27, 2007**

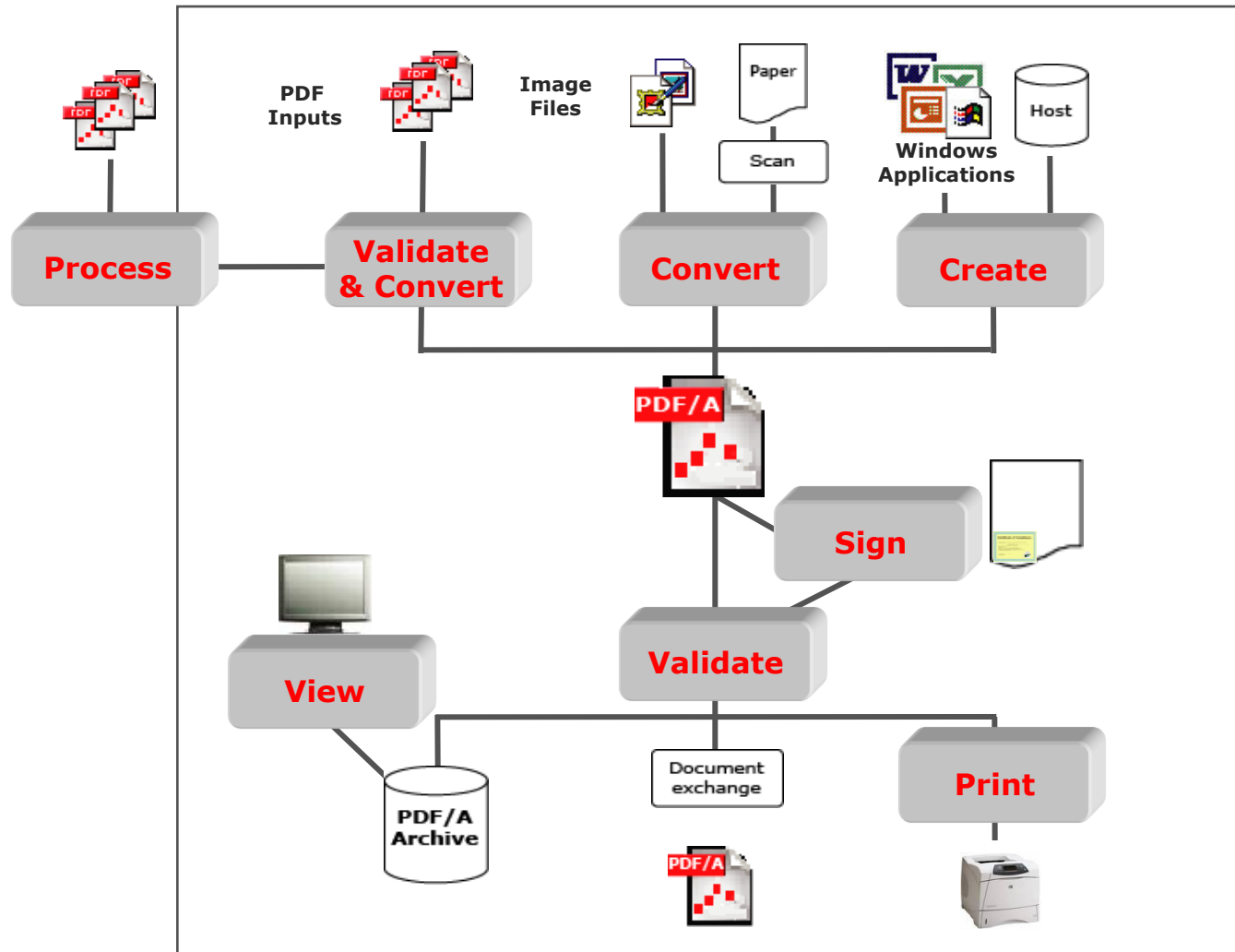
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**Roger Reeves, PDF Tools AG**

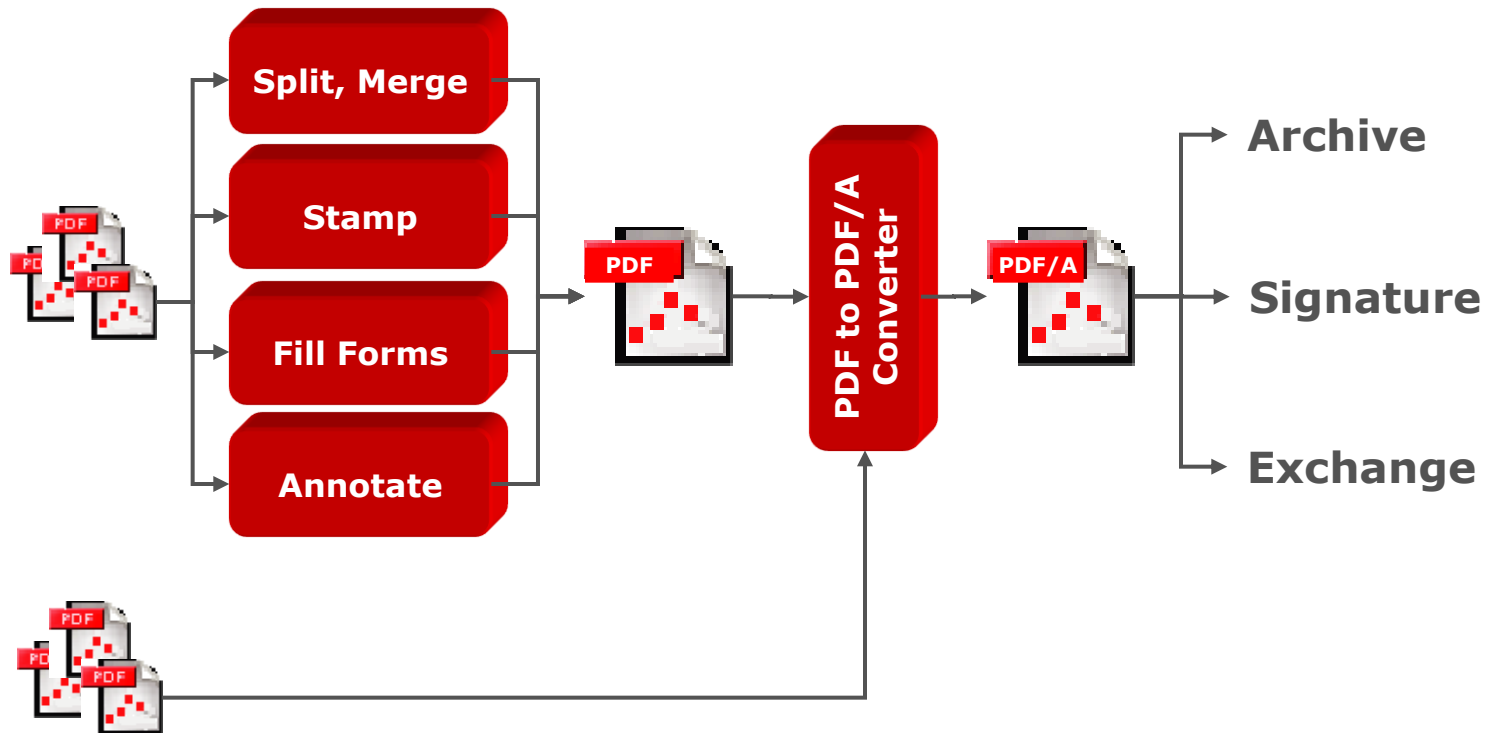
# PDF Tools AG

- ❖ **Founded as an independent spin-off company in 2000, in PDF market since 1993**
- ❖ **Server-based developer tools for creating, processing, converting , rendering and enhancing PDF and PDF/A documents**
- ❖ **International: Customers in over 60 countries**
- ❖ **Swiss delegate in the ISO Working Group 171 (PDF/A) with voting rights**
- ❖ **PDF/A Products:**
  - ❖ **PDF Producer**
  - ❖ **PDF to PDF/A Converter (with digital signatures)**
  - ❖ **Image to PDF Converter**
  - ❖ **PDF Validator**
  - ❖ **PDF Viewer**
  - ❖ **PDF Printer**

# PDF/A Workflow - Overview

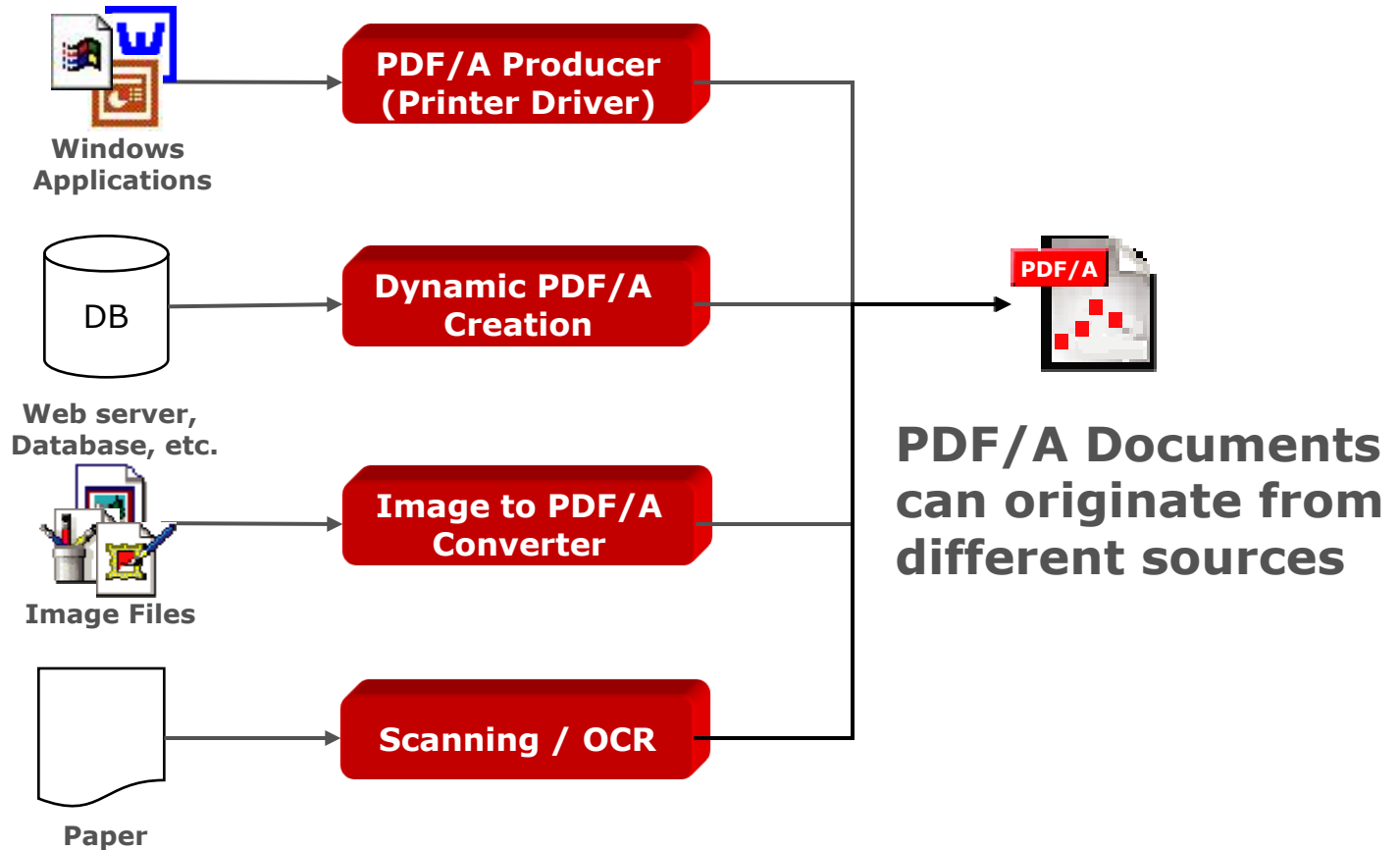


# Processing PDF and Converting to PDF/A

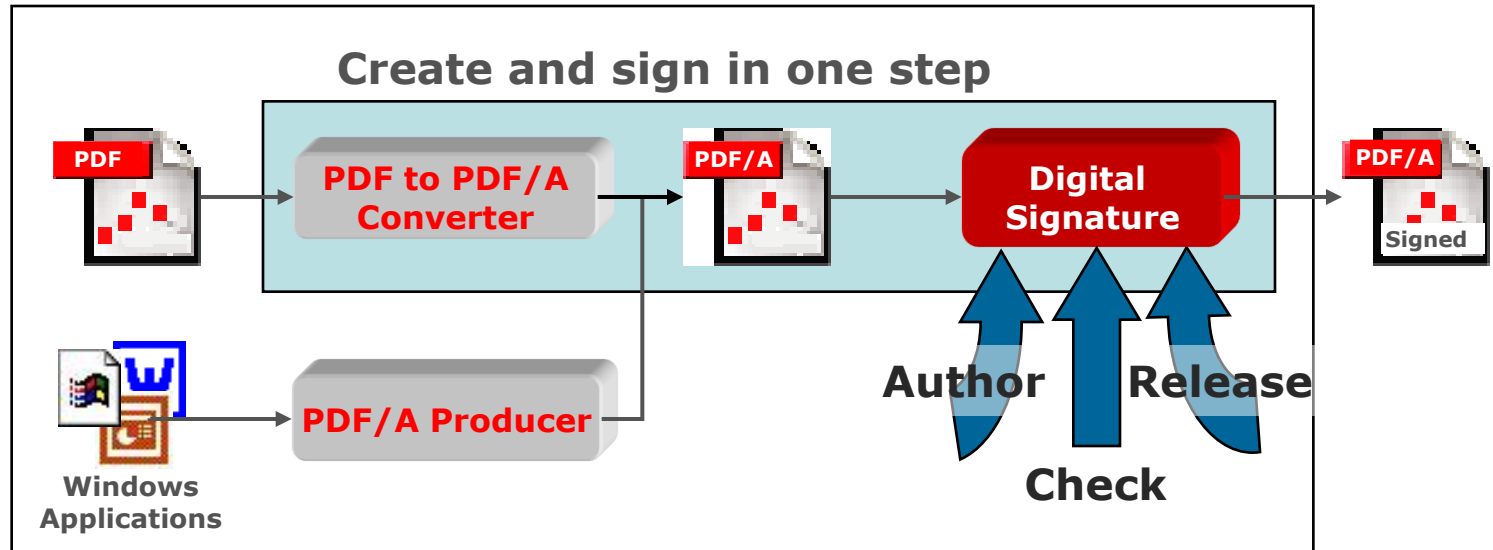


**The conversion to PDF/A is the last  
stage of the workflow  
(but before a digital signature is applied)**

# PDF/A Conversion and Creation

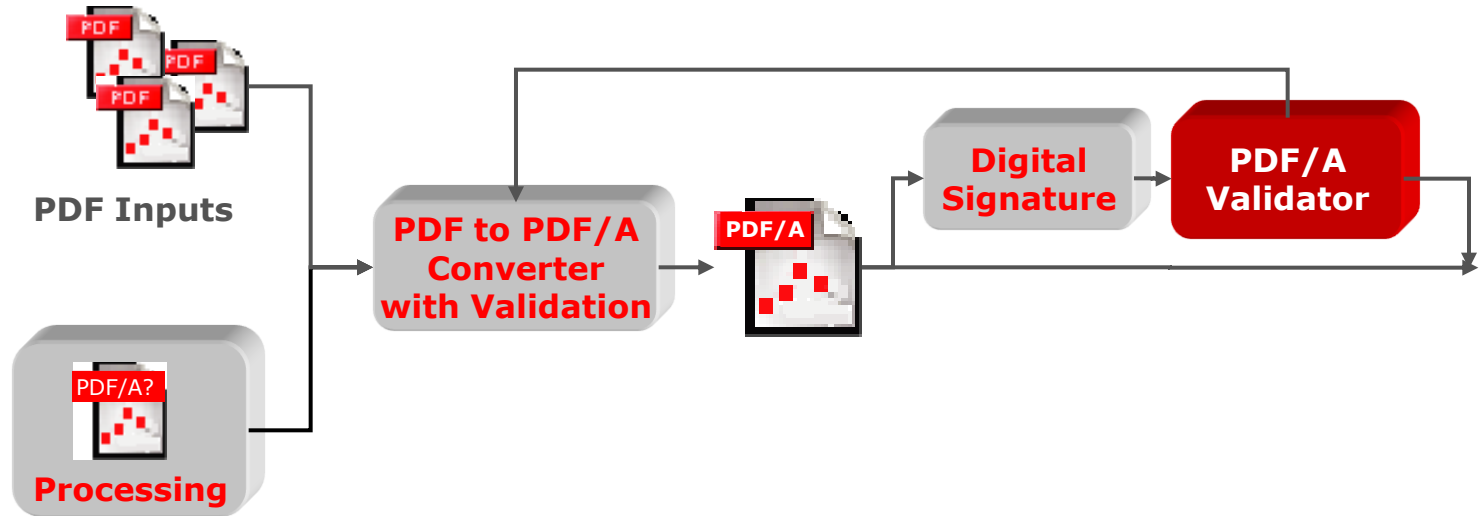


# Digitally Signing PDF/A



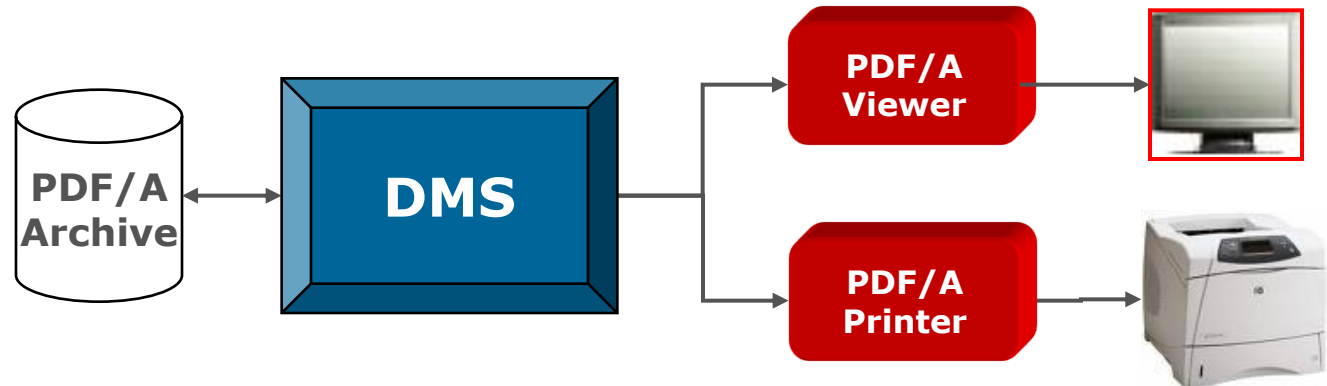
**The digital signature is applied after the conversion to PDF/A**

# PDF/A Validation



**You may need to verify PDF/A conformance at different stages of the workflow**

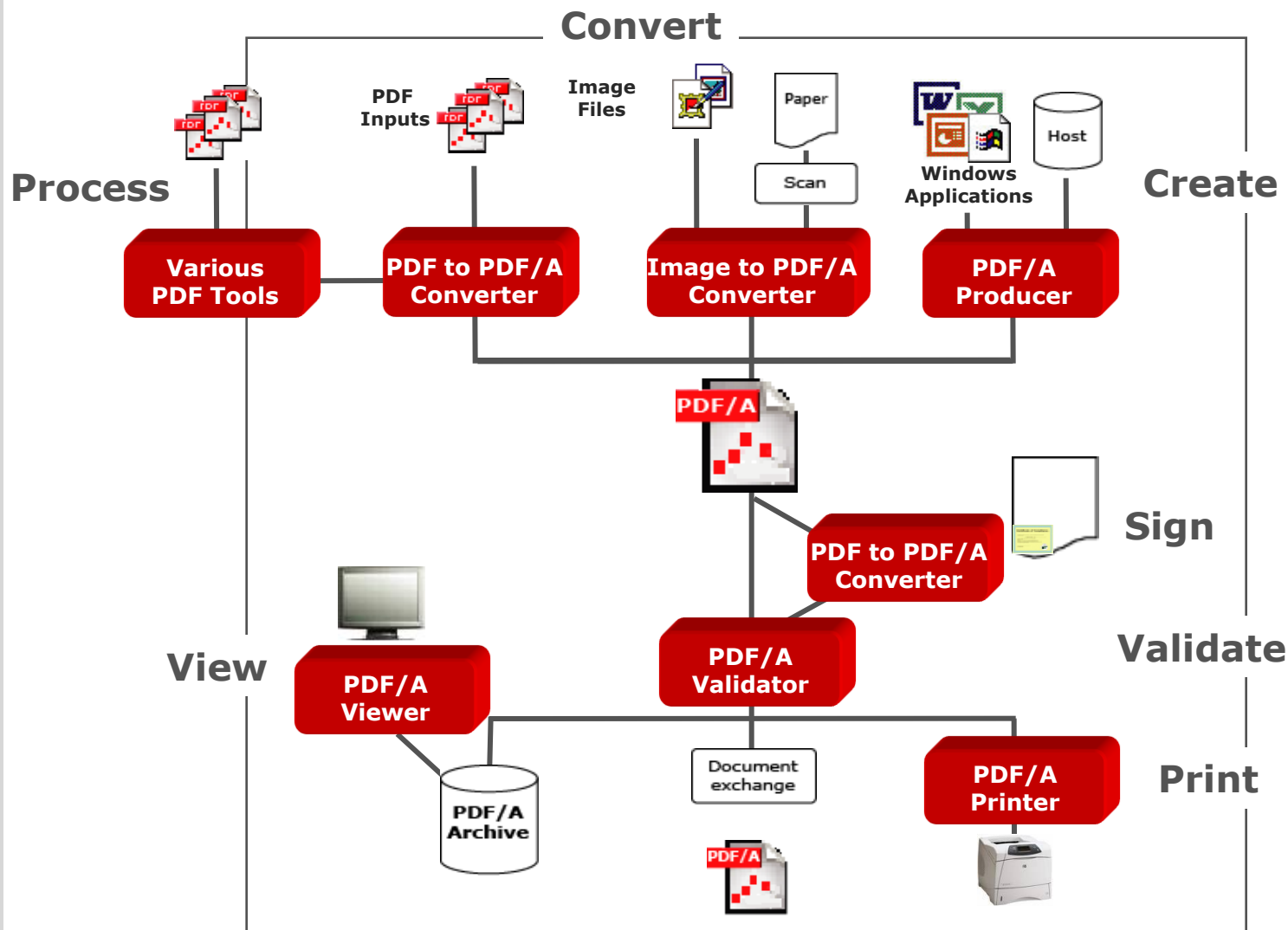
# Viewing and Printing PDF/A



Viewing and printing **PDF/A conform documents**  
is not the same as  
**conform viewing and printing** of PDF/A documents



# PDF/A Workflow with 3-Heights™ Tools



The screenshot displays the homepage of pdf-tools.com, which is a website for Premium PDF Technology. The site features a navigation menu on the left with links to Home, Products/Shop, Services, Support, Licenses/Conditions, OEM Solutions, Customer List, Success Stories, Integrators, Resellers, Links, PDF/A, About Us, Jobs & Careers, News, Contact Us, and Customer Login. The main content area is titled 'PDF/A COMPLIANT PRODUCTS' and lists six products: 3-HEIGHTS™ PDF PRODUCER, 3-HEIGHTS™ PDF VALIDATOR, 3-HEIGHTS™ PDF VIEWER, 3-HEIGHTS™ IMAGE TO PDF CONVERTER, 3-HEIGHTS™ PDF PRINTER, and 3-HEIGHTS™ PDF TO PDF/A CONVERTER. Each product section includes a diagram of its workflow and a list of key features. A 'PDF/A Compliant' seal is also visible in the top right corner of the website interface.

## PDF/A COMPLIANT PRODUCTS

pdf-tools.com  
Premium PDF Technology

PDF/A Compliant  
pdf-tools AG

PDF Tools AG is proud to offer a complete line of PDF/A-compliant tools for the creation and validation of PDF/A documents in accordance with the ISO Standard 19005. The following products can be used to ensure that your archived files are reproducible in the long-term:

### 3-HEIGHTS™ PDF PRODUCER

Windows Application

- The 3-Heights™ PDF Producer is a genuine GDI printer driver that generates PDF and PDF/A compliant documents from virtually any Windows application.
- The Producer can be used with both client- and server-side applications and offers parallel creation.
- The 3-Heights™ PDF Producer also offers synchronous generation, so your Windows application knows when the generation process is completed.

### 3-HEIGHTS™ PDF VALIDATOR

- The 3-Heights™ PDF Validator can determine if a PDF document or an entire PDF archive is PDF/A compliant.
- For converting a TIFF archive into PDF/A, the Validator provides the optimal quality assurance check that can be built directly into the conversion process.
- Individual company requirements beyond the PDF/A standard can also be verified during the analysis process.

### 3-HEIGHTS™ PDF VIEWER

- The 3-Heights™ PDF Viewer is a fully PDF/A-compliant PDF viewer. It fulfills all requirements of the ISO standard for compliantly displaying PDF/A documents.
- The 3-Heights™ PDF Viewer Pro also displays image files (TIFF, JPEG, etc.) and can print the currently viewed file.

### 3-HEIGHTS™ IMAGE TO PDF CONVERTER

- The 3-Heights™ Image to PDF Converter converts images (TIFF, JPEG etc.) into PDF documents.
- Different versions of PDF, including PDF/A, can be selected for the output file.
- The converter can also convert image files into image files of a different format, and split and merge multi-page files

### 3-HEIGHTS™ PDF PRINTER

- The 3-Heights™ PDF Printer is unique in its ability to print PDF/A files compliantly.
- A complete set of printing options (e.g. select tray, select printer, duplex printing etc.) is available.
- The Pro version allows you to add watermarks to the printed documents.

### 3-HEIGHTS™ PDF TO PDF/A CONVERTER

- The 3-Heights™ PDF to PDF/A Converter converts all versions of PDF documents to the PDF/A format.
- PDF/A compliant digital signatures can also be applied during the conversion process.
- The tool first analyzes the input file. Afterwards, the file will be converted to the highest possible conformance level. In the conversion process, for example missing fonts are embedded and device dependent color spaces are replaced by predefined ICC color profiles. Both document structure information and metadata is retained. The file is reformatted during the conversion process and all repairs are carried out where success can be guaranteed.

# Thank you for your attention!

## Questions?

- ❖ ... I'll be happy to answer here!
- ❖ ... or we can demonstrate our tools at our booths:  
**Booth I-061 and PDF/A-Stand**
- ❖ ... or send us an E-Mail:  
**pdfsales@pdf-tools.com**
- ❖ ... or give us a call:  
**Tel. +41 43 411 44 50**

**Roger Reeves**  
**PDF Tools AG**

**www.pdf-tools.com**