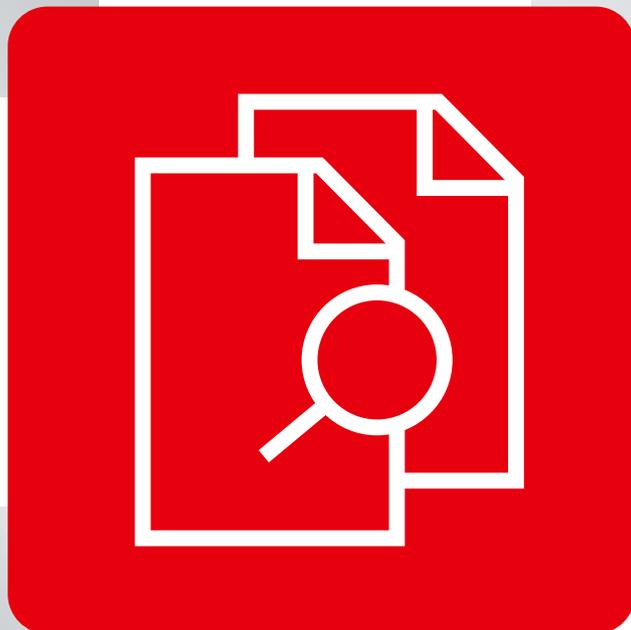


# DocBridge<sup>®</sup> Delta

Quality Assurance for Document and Output Management Production

## Benefits

- Ensures that all documents from any source meet the consistent high quality standards of your organization
- Obsoletes most of the tedious, high manual effort of document QA
- Near instantaneous productivity after installation
- Creates transparency through meaningful feedback for all levels of users: developer, analyst and business user



DocBridge® Delta is a Quality Assurance productivity solution for automated comparison of digital documents - quick, reliable, format independent.

## Why DocBridge Delta?

With fewer people, tighter timelines and higher quality requirements, revisiting the document Quality Assurance (QA) process is a fast way to improve productivity and quality, while decreasing risk and cost. Automating QA enables optimized testing compared to a manual printout or on screen comparison, saving valuable time for IT, production and customer facing personnel.

DocBridge Delta is a Quality Assurance productivity solution that compares two digital documents or files to each other and then reports back actionable results. It is designed to have a high degree of usability, supporting the requirements of both the development team and the business users. And it provides highly accurate, thorough results very quickly.

DocBridge Delta is able to test for both intended and unintended changes, even exposing issues not clearly visible but potentially problematic. It is able to compare the same file type or even compare different file types against each other.

The software supports two modes of testing. An interactive interface for ad hoc testing is available in addition to a command line call for automated workflows.

DocBridge Delta respects the different tasks and roles involved in quality process. Different output results can be distributed to the respective functional areas, so the programmers and the proof readers receive appropriate output targeted to their specific requirements.

## What is DocBridge Delta?

Automated Quality Assurance must address the simultaneous requirements of usability, productivity and risk mitigation.

### Usability

By utilizing a web server that sits behind the organization's firewall, your administrator can activate an unlimited number of users. No proprietary or locally installed software is required either. DocBridge Delta is interactively used through a standard browser, and its output is provided in ubiquitous PDF and HTML formats thus making the results easy to share. Although the software's default test configuration works "out of the box", a very powerful, but easy graphical configuration is available to define custom and complex testing requirements.

### Productivity

Employees who spend a lot of time viewing, testing and comparing production output are potentially neglecting on their other key responsibilities. If an automation tool is too complex, the effort and time saved is substantially diminished. DocBridge Delta is designed to be intuitive, allowing complex testing with easy configuration, enabling the user to minimize wasted time in each business day.

### Risk Mitigation

Mistakes cost more than just money. They lose loyal customers. Mistakes may also lead to unwelcome compliance and legal issues. By having Quality Assurance software in place, mistakes are not only avoided but an important forensic trail can be maintained. Furthermore, the customer can be incorporated more easily into the proofing process, building trust and saving proofing cycles.

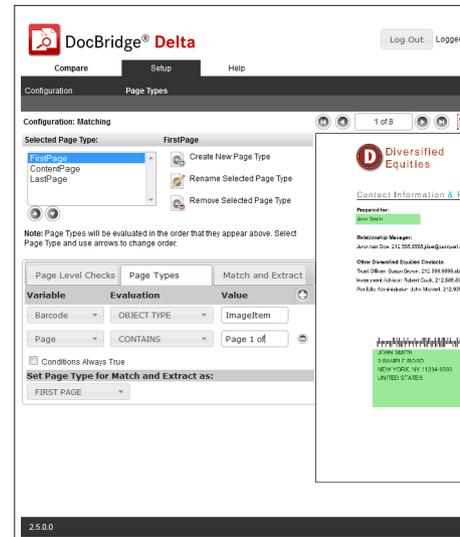
### Analysis

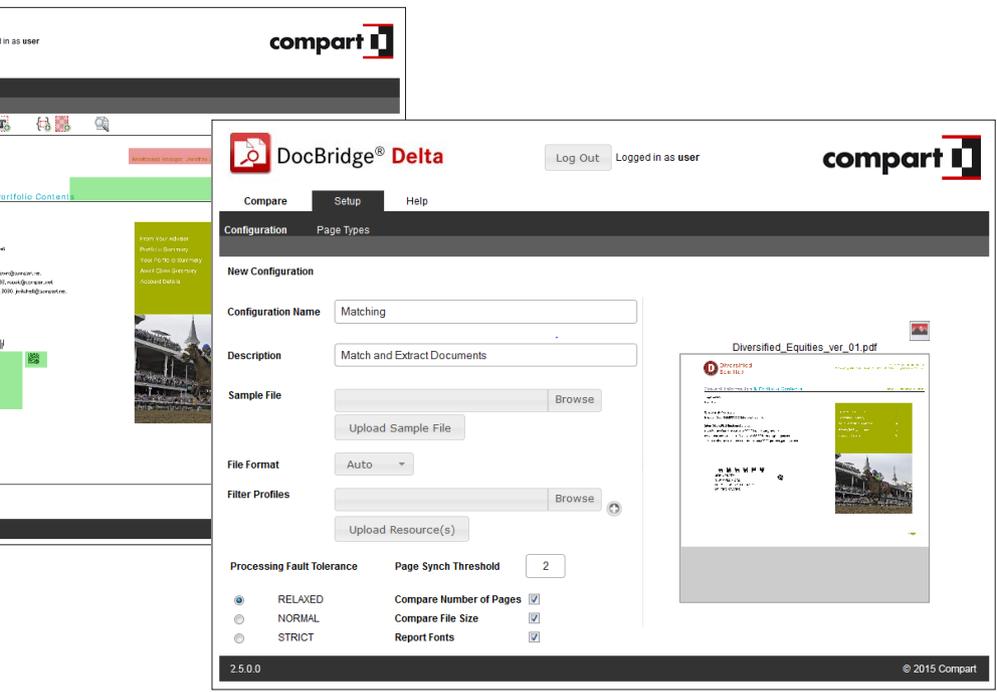
Additionally, with DocBridge Delta Analysis module DocBridge Delta offers a separately available tool that automatically identifies important data for high-speed printing (expected ink consumption, number/size of pages, embedded fonts, images, simplex/duplex printing) and applies it to the print process.

One of the most important features is the tool's capacity to determine color distribution within a file. DocBridge Delta Analysis calculates the percentage of required CMYK colors for full-color printing (relative to the individual page as well as the entire document). Furthermore, the analysis module recognizes all fonts, images, and graphics as well as the number and size of the pages. These results help in estimating printing costs.

They also shed light on the quality of a file. Can the document even be printed on the available system? Are modifications or changes necessary? Does the document contain all the necessary information (e.g., control characters for simplex/duplex, fonts)? Does the document need to be created from scratch? The ultimate goal is to use this data to prevent misprints and production disruptions.

DocBridge Delta Analysis is designed for high throughput and is particularly oriented to companies that print complex documents in large volumes and in various formats. The tool's major advantage is its ability to quickly and precisely analyze complex files.





### Voice of the Customer

„Today, document checking is not only more reliable, but more efficient. In the final analysis, automation allows the employees to better concentrate on the core business.“

*Roger Fuchs, arvato*

„The Compart tools make our operations more reliable and we can give customers full assurance that their jobs are produced accurately. With these tools, we can reduce the QC overhead of every job.“

*Douglas Carl, Japs-Olson*

„We’re saving at least an hour per proof cycle.“

*Rodger Smith, Naehas*

Read more: [www.compart.com/en/docbridge-delta](http://www.compart.com/en/docbridge-delta)

## Comparison Module

### Typical Areas of Application

- 
**Regression Testing**  
 For both custom-developed applications and commercial composition software, any changes or upgrades can be tested against legacy applications.
- 
**Iteration Testing**  
 The process of creating a new document requires many steps of programming and subsequent testing. Changes to existing documents also require an iterative modification then a testing process.
- 
**Conversion Testing**  
 In enterprises, documents and print files often have to be modified or converted to other formats for production or delivery. Testing the input against the output confirms quality and correctness.
- 
**Archive Validation**  
 Content that goes into the document repository must match what comes out to support the legal and compliance requirements.

### Product Functionality

- Page Properties**
  - Page size
  - Resolution
  - Exposes item position and type
- Structural Level Testing**
  - Pixel
  - Fonts
  - Colors
  - Metadata
  - Images
- Print Property Testing**
  - Simplex / Duplex
  - Tray Calls
- Text/Content Testing**
  - Pixel
  - Fonts
  - Colors
  - Metadata
  - Auto-offset
- Testing Functionality**
  - Reorder and match documents
  - Masking
  - Variable support
  - Content extraction
- Logs & Reporting**
  - Usage tracking
  - Error reports

## Analysis Module

### Typical Areas of Application

- 
**Estimated ink consumption of print files**  
 Based on the CMYK color coverage of the print file the estimated ink consumption and the associated costs of the print job production can be determined.
- 
**Testing the color coverage against agreed thresholds**  
 If a printing center has agreed certain CMYK coverage thresholds with its customers, DocBridge Delta Analysis can monitor that the coverage remains below these thresholds and report any threshold violations.

### Product Functionality

- Reports print file properties**
  - Format
  - Simplex / Duplex
  - Page size
  - Images
  - Fonts
- Reports color properties of a print file**
  - CMYK color coverage
  - Threshold CMYK coverage checks

# Compart<sup>®</sup>

## Document & Content Technology Solutions

### About Compart

Compart is a leading global provider of Multi-Channel Document Management Solutions. Headquartered in Germany, with subsidiaries throughout Europe and America and served by a partner network in Latin America, for over two decades Compart has consistently helped businesses improve operational efficiency with fast and flexible processing of high-volume data and document flow.

Compart's scalable and platform-independent DocBridge<sup>®</sup> software - designed, built and supported by Compart - delivers bespoke output, on paper or digitally, anytime and anywhere they are required.

Compart is recognized as an industry leader in driving innovation and delivering world class solutions. With in excess of 1,400 clients in over 45 countries across the banking, insurance, retail, print services, utilities and telecommunications industries, Compart is also chosen as an exclusive technology provider by leading vendors in the industry.

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