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CASE STUDIES

Aspose.BarCode for .NET Case Study

KEIL IT

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Using Aspose.BarCode and Aspose.Pdf to Create BarcodeOCR

About Keil IT

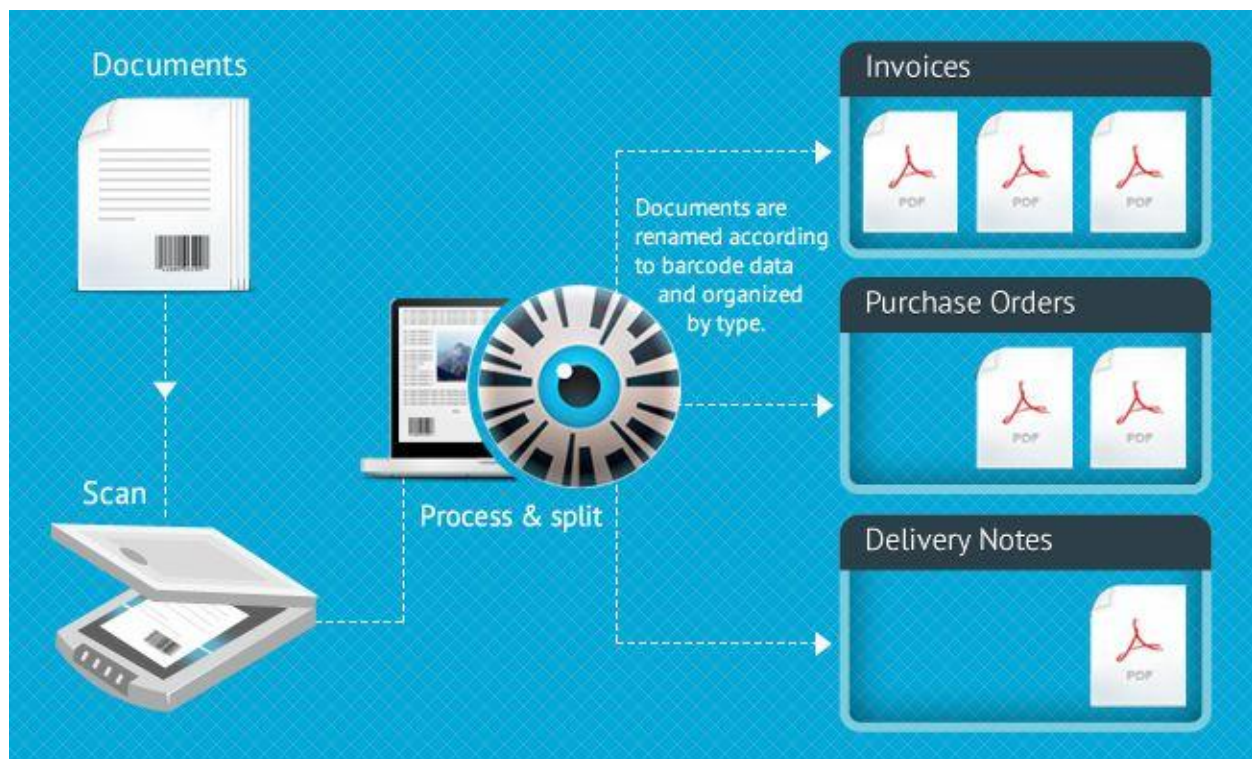Keil IT (http://www.keil-it.de/) is an IT solutions company based in Germany. They help their clients with a wide range of IT matters, from server and network installation, maintenance and monitoring, to email services and hosting. They also offer IT consultancy and bespoke development. Keil IT has also developed BarcodeOCR, a barcode processing software.

BarcodeOCR

BarcodeOCR (http://www.barcode-ocr.com) is software that automatically recognises barcodes in documents and images and helps companies process scanned documents without user intervention. BarcodeOCR supports all major barcode formats and by adding it to a workflow, companies can speed up their document management by automating recognition and sorting. It is fast, accurate and easy.

Figure 1: BarcodeOCR reads barcode information from scanned documents and processes them automatically.

Aspose.Pdf and Aspose.BarCode for .NET
                                                        Case Study

Goals

Keil IT had a solution that achieved BarcodeOCR's main purpose – automatic barcode recognition and document splitting – but wanted to improve its software so that it could:

- Generate PDF/A compliant documents.

- Process documents in parallel, to allow customers to process more documents in the same timeframe.

- Support more barcodes.

- Modify PDF metadata.

- Support PDF 1.7.

- Support ASP.NET and WebServices.

- Simplify development and maintenance

When looking for solutions, they came across Aspose and became interested in Aspose.BarCode and Aspose.Pdf.

Solution

Keil IT tried Aspose.Pdf first. It immediately extended their PDF format support and added metadata editing capabilities to BarcodeOCR. The addition of Aspose.Barcode to the set-up also extends their barcode recognition capabilities and allows Keil IT to extend their platform support to ASP.NET and WebServices. Aspose's .NET components support these platforms seamlessly.

As well as making it easy to generate, split and tag PDF files, Aspose.Pdf helps Keil IT reach other goals. Aspose.Pdf is the only easy-to-use component that they've seen which allows them to convert files to PDF/A compliant files.

Most of Keil IT's users scan documents to PDF 1.3 or 1.4 but some want to process documents that have been generated using Adobe Acrobat, PDF 1.7. With Aspose.Pdf, PDF 1.7 is automatically supported.

Working in tandem, the two components provide parallel computing, and the resulting software can process over twice as many documents as the previous version. This improves the software's throughput enormously, a great benefit to Keil IT's users.

Coding Benefits

Good, clean code is something every development team appreciates. It is important that code is easy to maintain and understand. Aspose's components are well documented and are designed to be compact and easy to work with.

Dennis Alexander Petrasch, head developer at Keil IT, said: "*Aspose.BarCode is truly written managed code and gives us a variety of barcode types to handle all kinds of document recognition and further processing*". The implementation is compact and understandable which saves time when adding features or fixing issues.

A release of BarcodeOCR that uses Aspose.Pdf and Aspose.BarCode for .NET will be released summer 2013.

Experience

Keil IT choose to work with Aspose because the components they are using, Aspose.Pdf and Aspose.BarCode, helps them achieve a number of goals, from wider barcode support and PDF version support, to an easy-to-maintain code base. These are not the only reasons:

- The documentation flattens the learning curve and includes lots of examples that made using the products easy.

- When things didn't go quite to plan, Priority Support means that the developers that designed the products are on hand with excellent support.

- When issues were found in the software, they were fixed quickly.

Summary

Keil IT was looking for products to improve BarcodeOCR. They wanted to support a wider range of barcodes and PDF file formats, change PDF metadata and improve the processing capabilities of its software.

With Aspose.BarCode and Aspose.Pdf, those goals can be met and Keil IT's users get an even better product. Great documentation and support ensured that Keil IT could get on with their work and integrate the new components quickly.