

# CASE STUDY

## Aspose.Words for Java Case Study



LIBUSOFT CICOM d.o.o.

Using Aspose.Words for Java to convert mail attachments

Libor Burian, CEO, 16.9.2014.

## About LIBUSOFT CICOM d.o.o.

LIBUSOFT d.o.o. (founded in 1993) and CICOM d.o.o. (founded in 1992) have together started the company LIBUSOFT CICOM d.o.o. in 1997. The new company has continued to advance the successful business that has been established by its mother firms.

The company has around 100 employees – among them economists, software engineers, licensed accountants, programmers, technicians, system administrators and certified consultants.

The primary activities of LIBUSOFT CICOM (LC for short) are development, sale and support for accounting applications for five groups of users:

- local self- government units
- budget users
- utility companies
- property management companies
- small and medium businesses

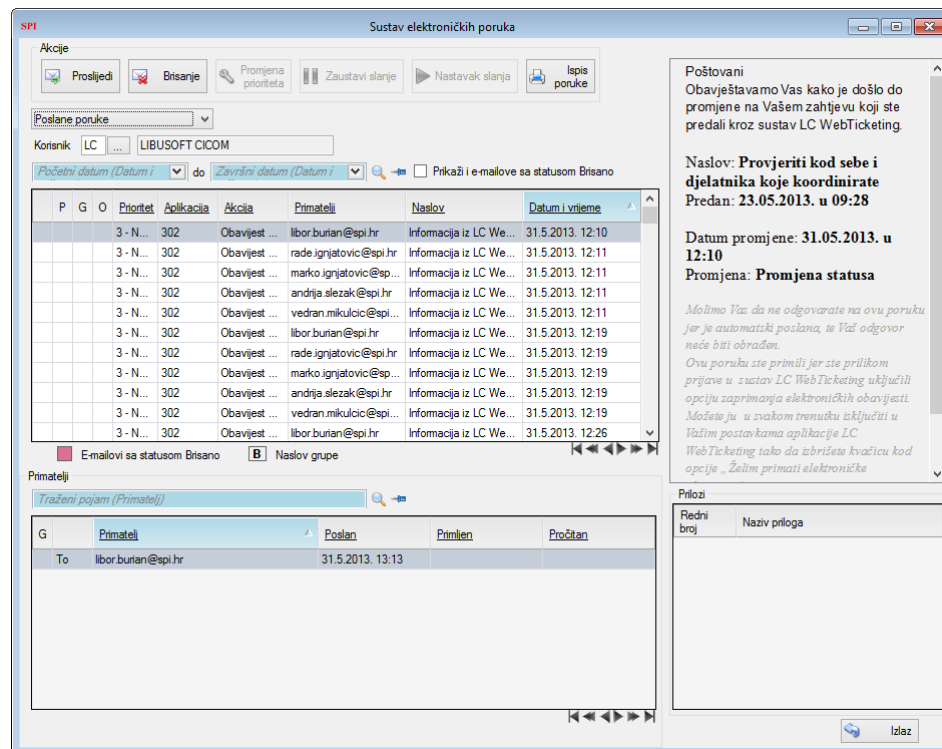
During 20 years of the company's development, LC has created great number of applications that together make SPI® - SUSTAV POSLOVNIH INFORMACIJA (Business Information System) which is a copyrighted product of LIBUSOFT CICOM d.o.o.

In addition, we offer software solutions and consulting services that are the result of years of learning and experience. We offer our customers assistance in managing real estate, managing finances, organizing process in local government (FMC), the effective collection of debts, the implementation of public procurement and consulting workshops for the interpretation of new regulations.

## Problem

In the wide range of products that LIBUSOFT CICOM offers to its clients we would like to point out the project for forwarding e-mails. Project LC Mailing accepts emails from various sources, and according to the schedule they are sent to the proper destination (Figure 1).

**Figure 1: The screen of the LC mailing system**



Mails that LC Mailing receives may contain different types of attachments. These attachments are usually in the DOCX format because they are formed on the basis of DOCX templates. By LC Mailing system customer distributes user invoices and other documents that the end user must open smoothly. It is common that the end user has a PDF reader, so PDF is the most common way of distributing documents for every other system. By that reason users requested that DOCX documents sent through the LC Mailing system are converted and sent as a PDF. At the beginning only few customers were included in the project with their thousands of users, but there are already new customers interested in same project.

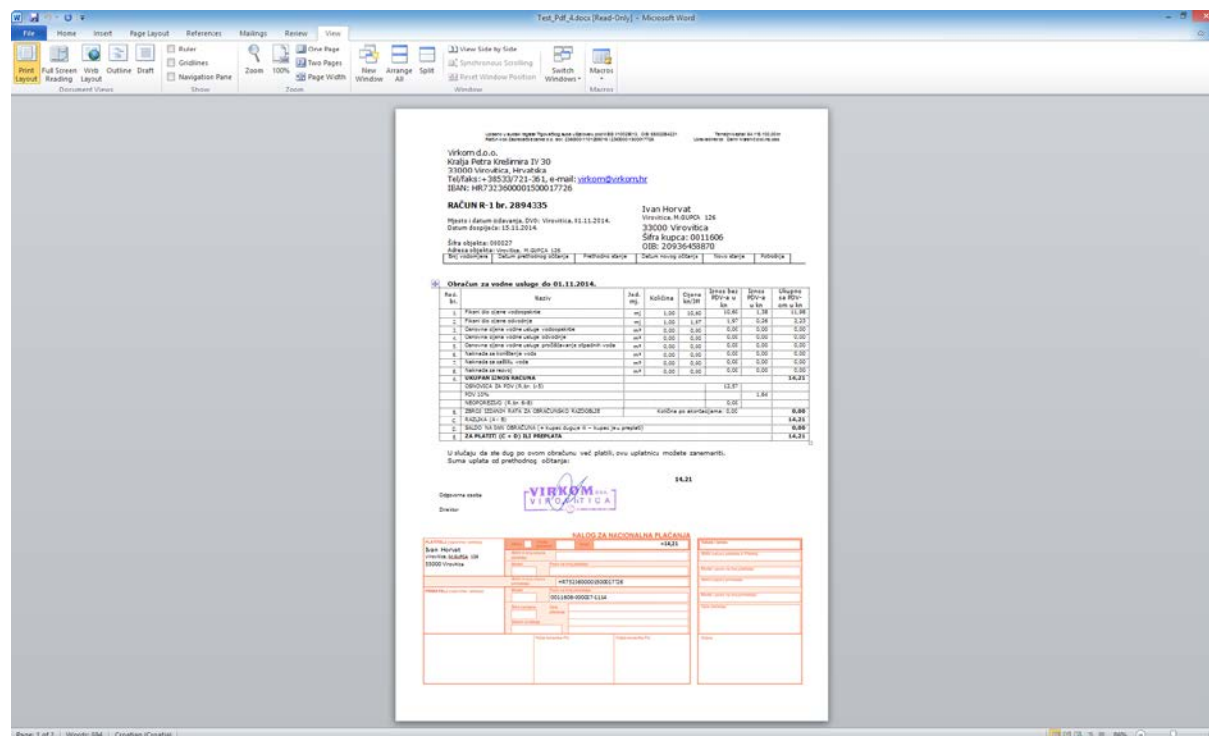
## Solution

We needed a component that can:

- with high quality convert complex documents from DOCX to PDF
- ability to process large amounts of data in short time
- solution must be compatible with the technologies that we use, must work with Java
- control should be easily integrated in our product
- vendor of solution should be stable and promising company that can offer support in the future

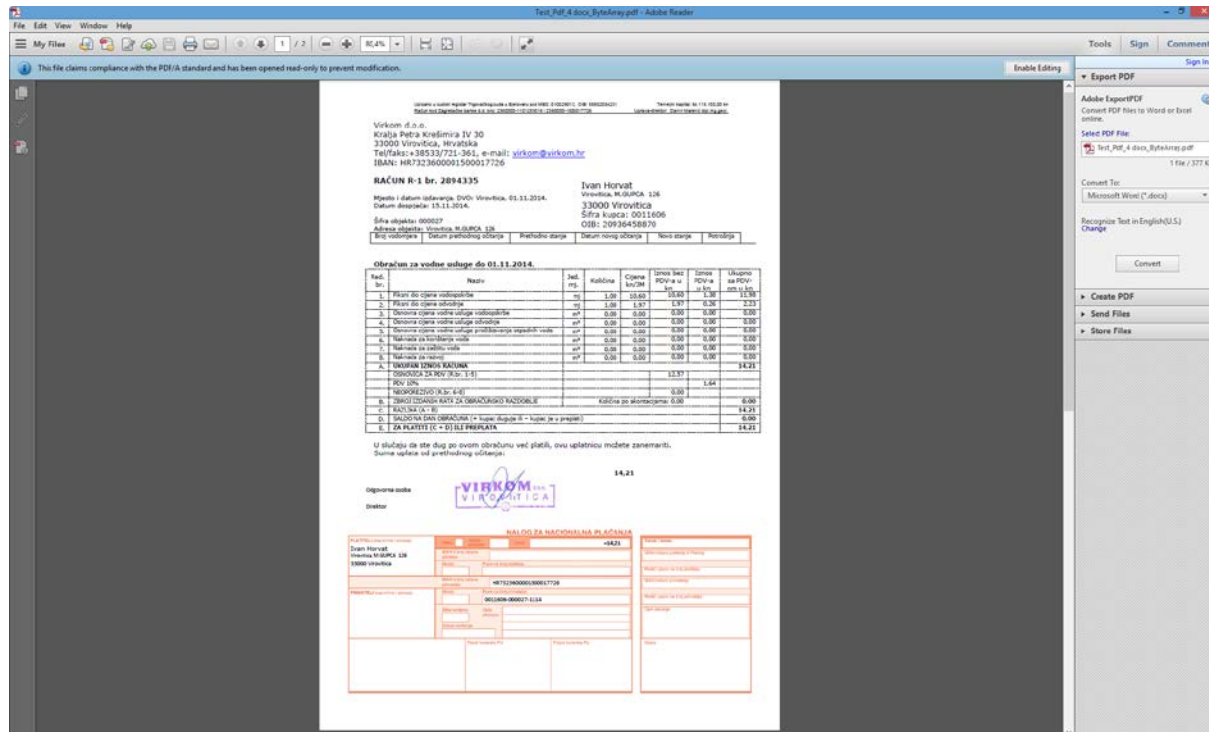
The content of these documents are formatted text, tables, 2D barcodes, images etc. None of the elements under any circumstances cannot be lost or deformed, and the final document must be readable and straightforward. Example of document that passes through the system can be seen in Figure 2.

**Figure 2: Example of a document to be converted (INPUT)**



Aspose.Words completely and correctly converted document (Figure 3) without any lost element or deformation.

**Figure 3: Converted document by using Aspose.Words (OUTPUT)**



Next thing that was important was the processing speed of great quantity of e-mails that came into the system for distribution. Because of that we made an additional test control to determine whether Aspose.Words can do this big task. We made a test conversion with ten thousands of documents. In this test, we determined that there was no deceleration.

During the test we found that the integration of Aspose.Words in our project is simple and easy. Aspose.Words has all the necessary documentation and quality support.

Also we recognized that Aspose is a serious company with a reputation, so we believe Aspose can offer us support in the future.

## Experience

### **Finding a solution:**

On the market there are many controls that allow you to convert DOCX to PDF, we started to test the possibilities. Every one we tested had some problem. Some of them lost elements like pictures and tables. Most of them lost main basic layout of document by inserting unexpected page breaks. Some converters lost parts of document that they could not convert and those same parts were replaced with text "not yet implemented" or similar. From all controls we tested only Aspose.Words converted document without any problem. We found Aspose on Internet. Also, we asked around and heard only recommendations about Aspose. First we installed Demo and tried conversion of simple documents. After that we installed trial version and tested conversion of more complex documents. We were very satisfied with the results. We did not need any technical support because documentation was sufficient to us.

### **Implementation:**

All the knowledge related to the integration of the components was gained during the test components, so the implementation was completed within few days, on customer satisfaction. For the user there were no changes in the work and got the desired functionality. Also there were no outages or slowdowns of functionality. With an easy and comfortable way we solved a major challenge. Therefore, Aspose.Words component was eagerly accepted by the development department.

### **Outcome:**

Using Aspose.Words, we were able to convert any DOCX attachment that comes into our LC Mailing system, so customer does not need to invest in changing other programs that create DOCX documents. We achieved that customers are very satisfied in the short term, and on the other hand our development team has time to develop other projects.

## Next Steps

At the moment we use only one part of the Aspose.Words product. We are planning to get to know this product better and find some other useful functions which can be used in our project. Also we are offering solution of LC Mailing to our customers with honour knowing we have a good solution.

## Summary

We are completely satisfied with Aspose.Words product. Using Aspose Words for Java we solved the challenge that we had. We will certainly recommend this product to everyone because it is the only one that can fully and successfully do this kind of task.