

Product Information Performance



High-performance Text Processing

The Demand

In organisations with large amounts of documents, coping with peak loads (e.g. which arise with end-of-year business) poses a particular challenge. Within a short time, the systems have to work at maximum capacity to format and process the mass of documents.

An Example:

HUK-COBURG Insurance is one of the five biggest postal customers in Germany and, with M/ series products, manages an annual volume of about 300 million pages. The largest print job „Account of motor insurance“ runs at the end of the year and consists of about 7 million multiple-page documents with about 20 million pages altogether. The documents must be processed, printed and delivered within 10 days.

Moreover, special correspondence events of this magnitude can arise in day-to-day business the year round.

M/TEXT CS 6

The high-performance text machine

M/TEXT CS is designed equally for online and batch operations and has proved its worth over many years on the market. In the high-performance production of huge quantities of documents as well as in handling large numbers of users. The following results were achieved with the current version, M/TEXT CS 6.

A Performance Test

The document shown here was produced, a typical 1-page business letter with logo and facsimile signature. The customer data was transferred to M/TEXT CS 6, incorporated in the letter template and then formatted. The result was rendered and output as a PDF document.

Employed Hardware

Intel Core i7 (4 core) processor, 3 GHz, 8 GB RAM

Employed Software

Product	M/TEXT CS 6.0
Middleware	JBoss 4.2.3
Java VM	jdk1.6.0_14-x64
Operating system	Debian Linux, Ubuntu 8.04 Server LTS 64Bit
Database	Oracle 10g on a separate server

The Result

In this case, M/TEXT CS 6 produced 760 PDF documents per second. That comes to **2.7 million pages per hour**. Or in other words: the HUK-COBURG 20 million-page job described further above would have been processed with the specified hardware in less than 7.5 hours.

The result, of course, depends on the structure of the created documents. Invoices or bank statements without significant formatting produce even better results.

Basic Technology of M/TEXT CS 6

M/TEXT CS 6 is a Java EE application in a stateless 3-tier client-server architecture. The system is based on standard middleware, is fail-safe and scalable. This solves the performance problem in mass processing because the required throughput can always be achieved by upgrading the hardware or clustering. The product has always been designed and optimised for professional use with high performance demands:

- Higher document throughput in batch and dark processing
- High number of concurrent users in online operations
- Fast response times through communication that uses resources sparingly: minimising server roundtrips, reducing the amount of transferred data, caching resources

Professional Use

HUK-COBURG Insurance

A group-wide standard document service was set up with M/TEXT CS. In addition to mass batch processing, about 6,000 users produce business documents of high quality in both content and form.

ivv Information Processing for Insurances

In 2009, ivv introduced M/TEXT CS as a company-wide standard text processing system – for more than 8,000 users.



Contact

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