



Business Server Applications 
with
TX Text Control ActiveX Server

"Our customers are asking for bullets and numbered lists, style sheets [...]. We are glad that we can simply plug in an update to TX Text Control to get the new features in an instant."

Hans-Jürgen Hohmeier, Audit Manager
at DATEV e.G.



What is TX Text Control ActiveX Server?

TX Text Control ActiveX Server is a fully programmable word processing engine for ASP and ASP.NET that offers developers a broad range of word processing features in one reusable component.

To the end-user, TX Text Control ActiveX Server is completely invisible. All interaction with the control is taken care of from program code. Developers can create word processing documents with data from multiple sources and apply all the formatting one expects from a fully fledged word processing package from their own applications.

Dynamic content

Documents can be created on-the-fly from databases, binary files (MS Word), ASCII files (XML, RTF, HTML) and image data (JPG, PNG, BMP, TIF, GIF, WMF). All features of TX Text Control ActiveX Server can be accessed programmatically from server-



What can I do with TX Text Control ActiveX Server?

TX Text Control ActiveX Server can combine data from various sources (HTML forms, databases, Word files) to build documents that can be saved in a number of formats

Adobe PDF

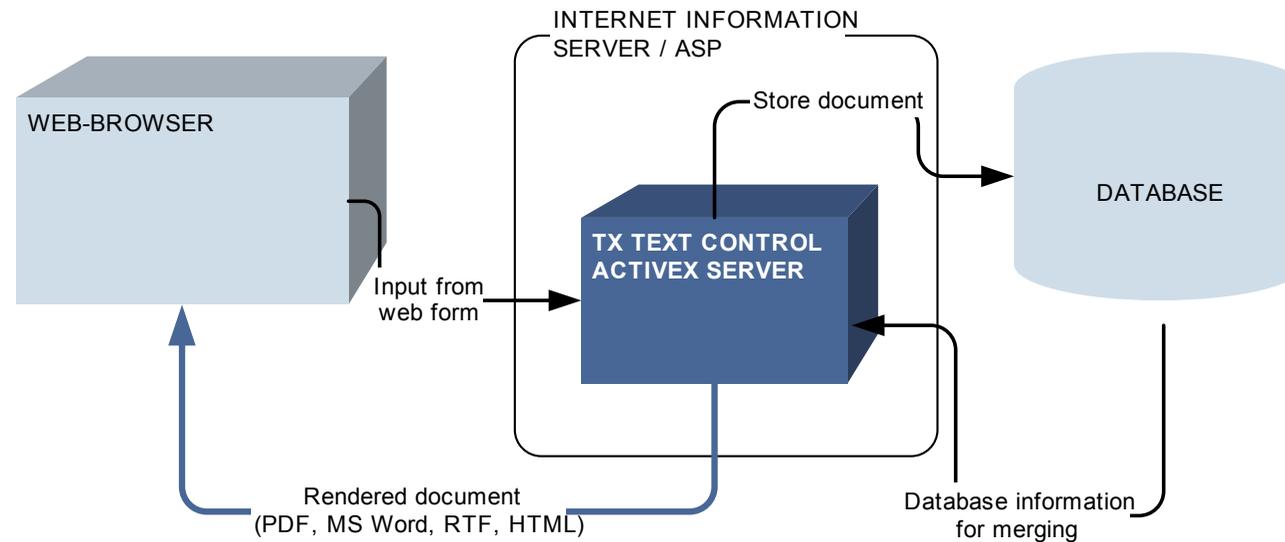
Microsoft Word

Rich Text Format

HTML

XML

For example, an invoice from an online store can easily be created, combining data from a web user with data from a database. The resulting print-ready file can be sent to the web user who can save or print it. This process is illustrated in the following diagram:



"As the further development of our electronic catalog will lead us to face new challenges, we will continue using TX Text Control [...], as it offers the performance and flexibility we really need."

Sascha Wenzlik, Programmer at Siemens.



Generate dynamic content such as quotes

or invoices on-the-fly

Today's business processes demand that information is immediately accessible to stakeholders inside and outside a company. Typically, this information needs to be available in a wide range of formats and customizable for every reader. Using TX Text Control ActiveX Server, a print-ready document can be generated on-the-fly using information from a set of databases and user data from a web browser. The resulting document can be displayed in the browser, saved to disk or sent by e-mail. As documents are generated on-the-fly, it is not physically stored on the server. This reduces redundancy and at the same time, gives users direct access to up-to-date, live information.



Create print-ready PDF files on a web server

Using the Adobe's Portable Document Format (PDF), documents immediately become compatible to a wide range of end devices - from most PDAs to any desktop PCs. TX Text Control ActiveX Server can be used to convert documents on a server into most popular word processing formats, including MS Word, XML, RTF, PDF or HTML.

Assemble documents from sources like a set of databases or physical files. The contents of database fields can be inserted at specified positions in a previously prepared template.

All word processing functions normally available from menu items and dialog boxes can be applied from code. Options

include find&replace, fonts, paragraph indents and alignment, inserting tables and images, and many more. Just as a piece of text is selected with the mouse, it can be selected from code, for instance to underline it or change its text color.



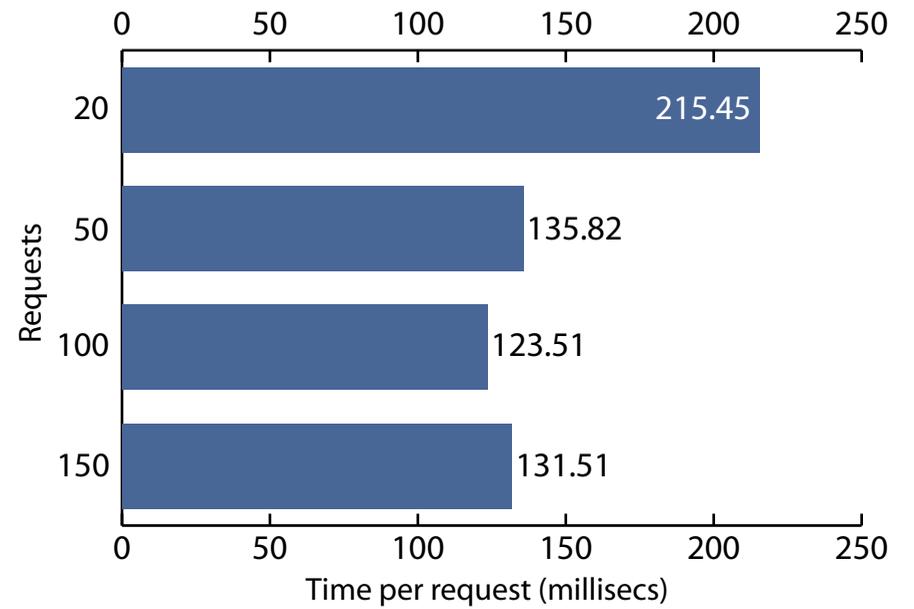
Create and Convert 

Benchmarking TX Text Control ActiveX Server

TX Text Control ActiveX Server has been specifically designed to run in server side applications and therefore does not have a user interface. All interactions with TX Text Control ActiveX Server are performed programmatically from application code. TX Text Control ActiveX Server is completely invisible to the end-user, making it idea for batch processing or printing large volumes of documents. We set up a number of tests in the TX Text Control Laboratory to examine these three major characteristics.



 Performance



Three critical aspects of server-side document processing are:

Speed

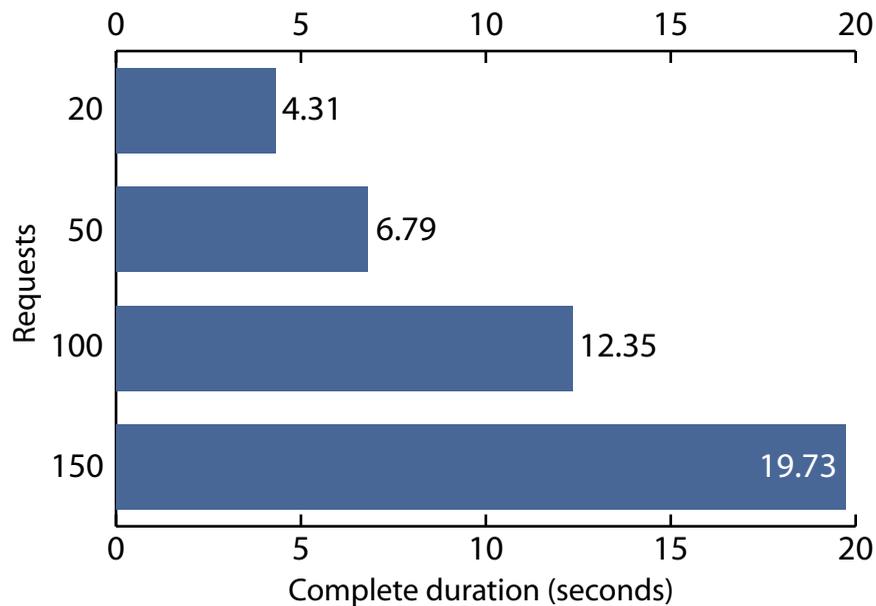
Reliability

Stability

The benchmark tests simulated concurrent requests to TX Text Control ActiveX Server. An ASP script loaded a three page document, searched through the entire document for a textual string, using the Find method, and replaced it with another string. Then, the document was exported as RTF and saved on the server in another directory. The benchmark time includes the file loading process, the find and replace and the file saving.

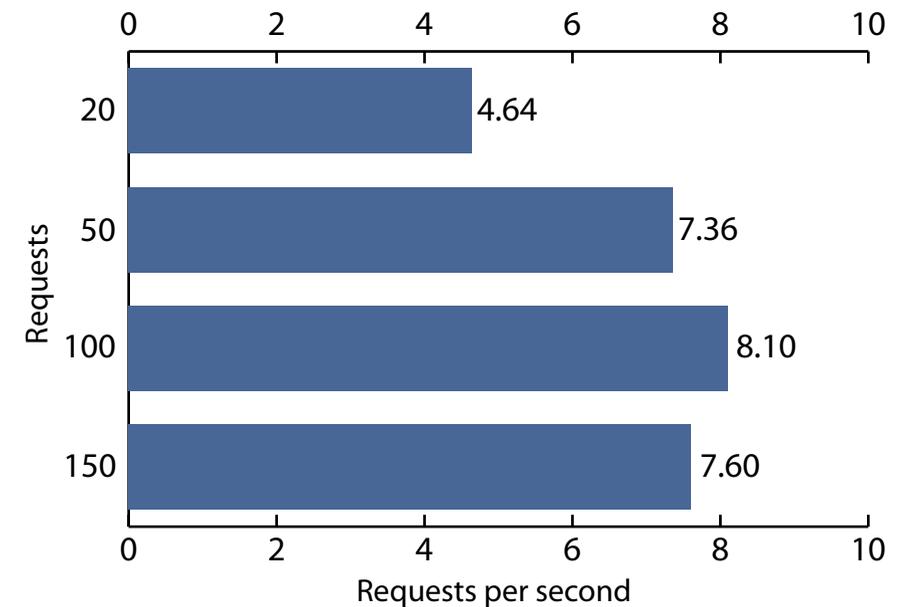
This graph illustrates the complete duration of one test. The test was repeated four times each one with a different number of requests: 20, 50, 100 and 150 requests. To measure

the response times, we used the benchmarking tool ApacheBench from the Apache Software Foundation (www.apache.org). As we were intentionally performing the test on a low range server to prove that very acceptable results can be achieved with minimum hardware, we set the concurrent request rate to only 10.



The third graph illustrates the number of requests per second that are executed by TX Text Control ActiveX Server. It shows that in the beginning, there are about 4.6 requests per second. The number of requests was increased and saturation finally arrived at an average of 7.6 requests per second.

The values presented on this page are of course dependant upon the server hardware and the connection speed between the clients and the server. We used a low powered server and a 10Mbit LAN to show how TX Text Control ActiveX Server works under minimum hardware and network conditions.



Naturally, the faster the hardware and network, the faster TX Text Control ActiveX Server will perform.



Download your trial version today

You can evaluate TX Text Control ActiveX Server for up to 30 days risk-free. To request a trial version, visit

http://www.textcontrol.com/products/activex_server/

Do you have technical or licensing questions?

A sales representative or a technical engineer is awaiting your requests.

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