

ThinPrint®

ThinPrint
.print®

R E F E R E N C E

About OrBit

OrBit spol. s r. o. has been on the Czech market since 1991 and mainly concentrates on progressive technologies for facilitating information access for business employees. OrBit forms long-term partnerships based on concrete business transactions and high-quality professional services. OrBit offers reliable, efficient solutions that fundamentally change the position of computers and computer networks. Fujitsu Siemens Computers, Lexmark International, Inc., Microsoft, Nokia, Orange, Palm, Inc., Sun Microsystems Inc., Symbian Ltd., VMware, Inc. und der XPS Software GmbH.

The biggest pharmaceutical manufacturer of the Czech Republik cures print problems with ThinPrint .print

International ThinPrint solution between Prague and Hlohovec for Zentiva a. s.

Zentiva a.s. Hlohovec installed its first terminal server farm in 1999 at its headquarters in Hlohovec (Slovak Republic). Initially there were 15 users who accessed standard ERP and Office applications on terminal servers. The system was stable; everyone was happy. Just one year later, corporate management decided to upgrade to Microsoft Windows 2000 Server; at this time, the farm consisted of four terminal servers, and the workforce had grown to 130 users working in the SBC environment, each equipped with a thin client. Milan Košicár, Project Manager Information Systems at Zentiva, explains, "Servers and users were located entirely in Hlohovec; there was no need for compressed printing, because the users all targeted local printers or network printers via TCP/IP."

ThinPrint arrives

Things changed abruptly with the repeated restructuring of the server environment as the company merged with Leciva s.a. of Prague, at that time the most important pharmaceutical manufacturer in the Czech Republic, to become the Zentiva Group. The merger created the largest pharmaceutical company in the Czech and Slovak Republics. The shared server farm is now distributed between two locations, Prague and Hlohovec. Now employees in Hlohovec also access documents in the Document Management System (DMS), which is one of the most business critical applications in the company and is hosted in Prague. All information contained in documents must be available to all departments in all locations – Office files as well as scanned images, plans, invoices, correspondences, customer documents, etc. – in other words, a vast number of files, which are also printed locally. What previously worked locally at the Prague site quickly congested the WAN when employees in Hlohovec accessed documents and wanted to print them, particularly against the backdrop of a continuously growing number of users in the prospering company. "At that time, we began to have serious thoughts about how to maintain print performance in the network and to avoid capacity bottlenecks," explains Košicár. Particularly as plans were being laid for the implementation of another business critical application, the Laboratory Information System (LIMS) LabWare, which would also be deployed as server based computing in the WAN – another application from which documents would be printed daily and in large



Milan Košicár, Project Manager





About ThinPrint

ThinPrint is the specialist for mobile solutions and for printing in distributed network environments. Solutions from the software manufacturer, based in Germany and with offices in USA and Australia, are successfully deployed by businesses of all sizes and in all sectors around the world. More than 500 renowned distributors and resellers in over 80 countries market the products of ThinPrint GmbH. Thanks to strategic partnerships, the client components of the patent pending .print technology are integrated in a multitude of terminals, print boxes, PDAs, and mobile telephones from leading hardware manufacturers. Significant value is enjoyed by strategic partnerships with BlackBerry (RIM), Bluetooth SIG, Citrix Systems, Inc., Fujitsu Siemens Computers, Lexmark International, Inc., Microsoft, Nokia, Orange, Palm, Inc., Sun Microsystems Inc., Symbian Ltd., VM Ware, and XPS



amounts. The consulting ThinPrint partner, Orbit, was quickly able to convince corporate management at Zentiva of the advantages of the ThinPrint .print solution and began implementation. Shortly thereafter, .print Application Server Engine was installed in the Prague farm, which already consisted of ten servers.

LIMS and document users in Hlohovec now use network or local printers using .print agents. During the pilot phase, the effects were more than clear. With the same WAN capacity, the bandwidth bottlenecks during printing could be completely avoided – despite the growing number of users. As Košicár states, “ThinPrint has developed a very useful solution for Citrix users here.”

The server farm has meanwhile grown to 37 servers – ten of them in Hlohovec – that run Microsoft Windows 2003 Terminal Server and Citrix Presentation Server 4.0. All types of files in the DMS are printed: Office files, PDFs, images, etc. In future, employees will also be able to access the other applications in the company. According to Košicár, “The added value of the ThinPrint solution started for us practically overnight. Bandwidth problems and long waits for printouts are a thing of the past. Work is now much faster.”

Facts	
Customer	Zentiva, a. s.
Sector	Pharmaceutical industry
Responsible for project	Milan Košicár, Project Manager IS
Project	Centralization of applications, expansion of access internationally, print support in distributed locations for print-intensive applications such as Document Management System and Laboratory Information System
Remote locations:	2
Server	<ul style="list-style-type: none"> ■ (productive) 10 terminal server: MS Windows 2000 server SP4; (pilot) ■ 37 terminal servers: MS Windows Server 2003 Standard Edition SP1; Citrix Presentation Server Enterprise Edition 4.0; OrBit VirtuaControl; AppSense Application Manager; visionapp Platform Manager ■ Central print server with ThinPrint .print Server Engine Client: HP thin clients with Windows XP embedded Citrix MetaFrame XPe Feature Release 3; ThinPrint .print Application Server Engine; OrBit VirtuaControl; AppSense Application Manager

