



Customer Snapshot

HIGHLIGHTS

CHALLENGE

Reduce server proliferation and associated costs within IT department

SOLUTION

VMware and Intel technology increase scalability and performance in the datacenter.

VMWARE AND INTEL AT WORK

VMware® Infrastructure 3 Enterprise, featuring:

ESX Server

HP ProLiant DL580G2 single-core, DL580G4 dual-core, DL580G5 quad processor servers attached to an EMC CX-700 SAN

Intel Xeon 7000 series processors

VMotion

Distributed Resource Scheduler (DRS)

High Availability (HA)

Virtual Center

DEPLOYMENT ENVIRONMENT

Guest operating systems: Windows 2000, Windows 2003, Windows NT

Virtualized Applications: Citrix, Core Dossier, Concur Expense, PSI Plot, TurboChrom, Watson LIMS, Crystal Enterprise, Trackwise, ClinTrace, InfoShip, IRMS, TrackWise, SQL Server, Oracle, Gentran, WysDm, nGenius, CiscoWorks, Pathlore, Sharepoint, Windows file and print servers

“If I buy Intel and VMware technology, I’m all set for virtualization—I know they’re going to work well together and perform as they should. Pretty simple, huh?”

Bruce McMillan
*Manager of Emerging Technologies,
 Solvay Pharmaceuticals*

SOLVAY FINDS THE CURE FOR SERVER SPRAWL WITH VMWARE INFRASTRUCTURE 3

Solvay Pharmaceuticals, Inc. is the U.S. subsidiary of the research-driven group of pharmaceutical companies that constitute the global pharmaceutical business of the Solvay Group.

Switching focus from its usual field of research, Solvay Pharmaceuticals sought to solve a riddle of its own: how to manage the server sprawl that was overtaking the company’s IT department. “Because we’re a regulated industry, we would need to get three new servers every time we needed a new application: one for development, one for test and one for production,” says Bruce McMillan, manager of emerging technologies at Solvay Pharmaceuticals. “Those boxes add up quickly.”

To reduce the time and costs associated with its IT infrastructure, the company utilized a combination of VMware virtualization solutions and Intel-based hardware to build out a scalable and flexible virtual infrastructure. As a result, the company has been able to go from 65 physical servers down to less than 10 by putting virtual machines onto ESX Server hosts powered by Intel Xeon processors. “Each time we move to the next generation of Intel processors, we’re able to get increasingly impressive server consolidation ratios,” says McMillan. “That’s a testament to the collaboration between VMware and Intel. They’re a really great match for one another.”

RESULTS

- Save \$1.5 million in hardware costs over the first two years of the project. “Our virtualization project has saved us \$1.5 million in pure hardware costs,” says McMillan. “That’s not even counting power and cooling costs, or staffing costs.”
- Achieve 25:1 server consolidation ratio. “Now that we have some Intel quad core Xeon boxes, we’re aiming for a server consolidation ratio of 25:1,” says McMillan. “In a recent test, I was actually able to run as many as 48 virtual machines on one ESX Server host.”
- Achieve five-fold increase in CPU utilization. “Our CPU utilization used to hover around the five percent mark,” says McMillan. “Now, it tends to be at 25 percent—a much better utilization.”



vmware®



Building the Foundation of Virtualization