



Customer Snapshot

Quebecor World

“Using VMware software on our Intel processors with Virtualization Technology (VT) enabled has allowed us to get excellent performance out of our virtual machines!”

Brandon Meyer

*Enterprise Windows System Engineer,
Quebecor World, Inc.*

HIGHLIGHTS

CHALLENGE

Transform data center from physical servers to a virtual IT infrastructure

SOLUTION

VMware® and Intel technology allow creates a virtual infrastructure that reduces the time and costs of IT administration.

VMWARE AND INTEL AT WORK

VMware® Infrastructure 3 Enterprise, featuring:

- ESX Server 3
 - HP BL460c blade servers with Intel Xeon processors attached to HP 8000, 8100, and 6000 SANs
- VirtualCenter 2
- VMotion™
- Distributed Resource Scheduler (DRS)
- High Availability (HA)

DEPLOYMENT ENVIRONMENT

- Guest operating systems: Windows NT, Windows 2003, Red Hat Linux
- Virtualized Applications: Lotus Notes, Citrix, SQL, TrendMicro antivirus, Hyperion financial, domain controllers

PRINTING COMPANY SPREADS THE WORD ABOUT VIRTUALIZATION'S MERITS

Quebecor World Inc. is the second largest commercial printing company in the world, with over 50,000 employees around the globe.

Several years ago, Quebecor World used VMware Infrastructure 3, the world's leading virtualization suite, to simplify moving one of its data centers from Itasca, Illinois to Montreal, Quebec. “Instead of shipping the servers up to Montreal, we just P2V'd them using VMware Infrastructure 3, and copied the VMDK files to Intel-based hardware in Montreal,” says Brandon Meyer, Enterprise Windows System Engineer at Quebecor World.

This initial experience with virtualization led Quebecor World to further explore VMware and Intel's functionality to create new usage models. “Utilizing all Intel Xeon processors allows us to easily VMotion our virtual machines without any problems, to balance loads or to perform maintenance,” says Meyer.

For Quebecor World, hardware and software are both key elements of their virtualization solution. “Intel is doing a great job of addressing virtualization at the hardware level to increase performance of virtual machines,” says Meyer. “We've already experienced that with their Intel Virtualization Technology (VT) switch which adds a performance boost to our virtual machines. We get great results from our combined VMware and Intel solution.”

RESULTS

- Reduce server count by 90 percent. “We have approximately 400 virtual machines running on VMware ESX hypervisors that fit into just two racks,” says Meyer. “We'd need 20 racks if all of those servers were physical.”
- Reduce power needs by 60 percent. “Less servers means we don't use as much electricity,” says Meyer. “We're probably saving a good 60 percent in that area.”
- Save thousands of dollars in hardware costs. “If we need a new server, we don't have to actually acquire new physical hardware—we just build a virtual machine for it,” says Meyer.



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Building the Foundation of Virtualization