



Customer Snapshot

“Using VMware and Intel technology to virtualize our data center has been a huge success. We’re increasing our CPU utilization, decreasing our power and cooling costs, and using fewer staff hours to manage our IT infrastructure.”

Ranny Dey

Director of IT Operations, American Institute of Certified Public Accountants

HIGHLIGHTS

CHALLENGE

Data center relocation creates opportunity to rethink IT infrastructure

SOLUTION

VMware and Intel technology combine to create a virtual infrastructure platform for a flexible, easily managed data center.

VMWARE AND INTEL AT WORK

VMware® Infrastructure 3 Enterprise, featuring:

- ESX Server
 - Dell 6850 servers with Intel Xeon processors attached to EMC CX30 SAN
- VirtualCenter 2.0
- VMotion
- Distributed Resource Scheduler (DRS)
- High Availability (HA)

DEPLOYMENT ENVIRONMENT

- Guest operating systems: Windows 2003, Windows 2008, Linux Red Hat
- Virtualized Applications: MS Sharepoint, Blackberry Enterprise Server, MS SQL Server, Oracle 10G, Oracle SOA Suite

The Numbers Look Good to AICPA

The American Institute of Certified Public Accountants (AICPA) is a membership-based national organization serving all Certified Public Accountants (CPAs) in the United States.

As part of an organizational overhaul, the AICPA decided to move its main operations site from Jersey City, New Jersey to Durham, North Carolina. That meant moving its data center, which had nearly 250 individual physical servers. “Rather than physically transport all those servers down to Durham and then rebuild the infrastructure, we decided to create a virtual infrastructure in the new location,” says Ranny Dey, director of IT operations at AICPA.

AICPA used VMware Infrastructure 3 and Intel-based hardware to set up this new virtual environment, and began the process of “P-to-V-ing” its servers—converting physical servers into virtual machines. The downtime for moving 100 plus hosted websites and 50 plus business applications was practically nonexistent. Now, over 80 percent of AICPA’s infrastructure is running virtually on a VMware and Intel platform. “We have actively virtualized any and every application that can be virtualized,” says Dey. “Our strategy is to continue to leverage virtualization to our advantage.”

RESULTS

- Reduce data center footprint by 80 percent. “Our new data center is approximately the same size as our old data center, but it only has four racks in it, so there’s plenty of room for growth,” says Dey.
- Save \$1.5 million in IT costs. “Our virtual infrastructure has saved us \$1.3 million in hardware costs and \$165,000 in related IT costs,” says Dey.
- Achieve 20:1 server consolidation ratio. “Because we were able to build our virtual infrastructure using the latest and greatest Intel processors, we’re really been able to get great consolidation on our VMware ESX hypervisors,” says Dey. “We have 120 virtual machines running on just six hosts.”



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Building the Foundation of Virtualization