



KEY HIGHLIGHTS

INDUSTRY: EDUCATION



CHALLENGE

Find a cost-effective way to test and develop new software applications

SOLUTION

VMware technology enables rapid deployment of a test and development environment without the higher costs associated with physical machines.

VMWARE AT WORK

VMware Infrastructure 3 Enterprise, featuring:

- ESX Server 3 with VMFS
- VirtualCenter 2
- VMotion
- Distributed Resource Scheduler (DRS)
- High Availability (HA)

DEPLOYMENT ENVIRONMENT

- HP Proliant DL385s attached to an ECM CX3-20 SAN
- Guest operating systems: Windows Server 2003 (Enterprise and Standard), Windows XP
- Applications: Microsoft CRM, Blackberry, Outlook Web Access, Print & File servers, SQL

"For us, VMware Infrastructure 3 has been a lifesaver—it allows us to test and develop new applications quickly and affordably. I can't think of a single organization—big or small—where VMware technology wouldn't be able to improve IT efficiencies across the board."

Robert Lazo

Director, Systems & Operations, Los Angeles Universal Preschool

Los Angeles Universal Preschool

Los Angeles Universal Preschool (LAUP) is a non-profit whose goal is to make voluntary, high-quality preschool available to every four-year-old child in Los Angeles County, regardless of family income.

At LAUP, every IT action and effort helps staff reach LAUP's primary goal: helping get children into a quality preschool. One of the IT initiatives involved rolling out a new CRM system and a custom-built proprietary application. Naturally, extensive testing and development was required on these new applications before they could be moved into production; the question was how to do it cost effectively. "The cost of creating a physical testing and development environment by purchasing hardware was too high—some of the price quotes were just astronomical," says Robert Lazo, director of systems and operations at LAUP.

VMware Infrastructure 3 provided the solution that LAUP was seeking. Rather than purchasing numerous expensive servers for testing and development purposes, LAUP was able to effortlessly create virtual machines using VMware technology. "We initially rolled out three ESX Servers for our test and development environment, and once we saw how successful it was, we added a fourth ESX Server for some of our production applications," says Lazo. "Moving forward, my goal is to get as close to 100 percent virtualization as we can."

Results

- **Avoid \$100,000 in hardware costs.** "The cost of purchasing physical servers would have easily run over \$100,000," says Lazo. "Using VMware technology allowed us to avoid that expense."
- **Save hundreds of staff hours.** "The fact that we're able to provision a new server in less than five minutes has literally saved us hundreds of staff hours over the past year," says Lazo. "Without VMware technology, we'd need to spend hours every time we wanted to build a server."
- **Maximize hardware utilization.** "Right now, we have 15 to 20 virtual machines running on each of our ESX Servers," says Lazo. "That lets us really put our hardware to work and get the most mileage out of our IT purchases."