IGI | Customer Snapshot

"Our clients are often drawn to the Intel platform for their virtualization efforts based on the strength of Intel's relationship with VMware—that reason alone can be a deciding factor."

Jason Langone
Director of Virtualization Services, Infinite Group, Inc

VIRTUALIZATION IS INFINITELY BETTER THAN A PHYSICAL INFRASTRUCTURE FOR LEADING TECHNOLOGY GROUP

Infinite Group, Inc. (IGI) is a well-established provider of professional technology services specializing in delivering best-practice IT services to federal, state and local agencies, and select commercial clients.

"A lot of the organizations we work with have run out of space in their data center, or they need to strengthen their disaster recovery capabilities," says Jason Langone, director of virtualization services at IGI. "We use VMware and Intel technology to create a virtualization solution that can address their needs."

By utilizing Intel Xeon-based hardware for its VMware virtualization deployments, IGI has been able to provide its customers with a fully reliable and scalable solution utilizing all VMware feature sets, from Distributed Resource Scheduling (DRS) to High Availability (HA).

"The VMware and Intel architectures work together seamlessly," says Langone. "You can see the parallels in their product roadmaps, and how the technologies mature in tandem to take advantage of each other's capabilities. We don't just deploy this technology for our clients, though—we also use it internally to house some of our core infrastructure. Additionally, we've started using VMware and Intel technology to host virtual desktops. We're big fans of the products these companies are delivering for virtualization."

HIGHLIGHTS

CHALLENGE

Deliver virtualization and consolidation services to clients that need to move beyond the limitations of a physical IT infrastructure

SOLUTION

VMware® and Intel technology creates an ideal platform for large-scale virtualization efforts that allows the greatest dynamic distribution of resources.

VMWARE AND INTEL AT WORK

VMware® Infrastructure 3 Enterprise, featuring:

- ESX Server 3
  - Internally: Dell 2950s with Intel Xeon Processors
  - Externally: hardware platform varies according to client requirements
- VirtualCenter 2
- VMotion™
- Distributed Resource Scheduler (DRS)
- High Availability (HA)

DEPLOYMENT ENVIRONMENT

- Guest operating systems: Windows 2003, Windows 2008
- Virtualized Applications: Microsoft Sharepoint, web servers for internal workflow and collaboration

RESULTS

- Migrate 2000 machines from physical to virtual. "A couple years ago, we used the VMware/Intel platform to conduct one of the largest recognized P2V migrations for a government organization," says Langone. "Obviously, the VMware and Intel technologies were a key part of making that migration a success."
- Decrease energy consumption by 25 percent. "Our Intel Xeon-based servers are utilizing Distributed Power Management (DPM) in production," says Langone. "Every evening, as work load diminishes, our servers enter standby mode to help conserve energy for our customers by as much as 25 percent."
- Ensure 99.99 percent uptime. "The Intel Xeon infrastructure is completely reliable in both uptime and performance," says Langone. "When paired with VMware's virtualization platform, we are able to guarantee 99.99 percent uptime of our services."

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Building the Foundation of Virtualization