



KEY HIGHLIGHTS

INDUSTRY: TECHNOLOGY

**CHALLENGE**

Deliver an infrastructure that could reduce strain on the facilities at the primary datacenter.

SOLUTION

VMware Infrastructure enables physical hardware consolidation to cut power, cooling and real estate costs, while enhancing manageability and responsiveness to business unit requirements.

VMWARE AT WORK

- VMware Infrastructure 3, featuring ESX 3.5, Distributed Resource Scheduler, High Availability, Consolidated Backup, VMotion
- VMware vCenter Server

DEPLOYMENT ENVIRONMENT

- ESX on three IBM System x3650 servers with quad-core 2.5GHz Intel Xeon E5420 processors and 48GB RAM
- SAN: IBM System Storage DS4700 Express disk storage system
- Host operating system: Microsoft Windows Server 2003
- Guest operating systems: Microsoft Windows 2003 Standard and Enterprise Editions, Red Hat Enterprise Linux ES, Microsoft Windows Server 2000, Microsoft Windows 2000 Professional, Microsoft Windows XP
- Virtualized production applications: Microsoft Exchange Server 2003, PRONTO-Xi, antivirus, system monitoring applications, file and print servers

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Gavin Newman, Technology Project Manager
Pronto Software

Pronto Software

Pronto Software is a leading Australian software company. Founded more than 30 years ago, the company supports more than 1,200 customers in Australia and around the world.

To support growth in turnover and staff numbers, Pronto Software expanded its physical server numbers to 50 in a primary datacenter in Melbourne. "We found our infrastructure was coming under strain and if we did not virtualize, we would have had to upgrade power, airconditioning and rack space, and increase real estate at the datacenter," said Gavin Newman, Technology Project Manager at Pronto Software. "We issued a request for proposal and received a plan from RDA Group that leveraged the functionality and performance of VMware virtualization to deliver a scalable, fault-tolerant, dynamic infrastructure."

Pronto Software has consolidated its infrastructure to 25 virtual machines running on a cluster of three physical hosts. "We now have sufficient capacity to support our forecast growth over the next five years," said Newman. "We are also considering virtualizing the desktops of sections of our workforce with VMware View."

Results

- Avoided investment of A\$40,000 in datacenter capacity extension
- Reduced datacenter airconditioning load by 40% and power consumption by 20% (saving the organization about A\$3,000 in cooling costs and A\$10,000 in electricity costs per year)
- Cut environmentally damaging CO₂ emissions by approximately 70 tons per year
- Reduced required rack space by about 100 rack units
- Achieved a server consolidation ratio of 8:1
- Saved around A\$30,000 in hardware procurement costs
- Enabled provisioning of new virtual servers in minutes rather than weeks for physical hardware
- Enabled faster, more frequent and more efficient data backups