

# COMPAQ AND STEELEYE PROVIDE HIGH-AVAILABILITY LINUX SOLUTION



For Santiago, Chile-based financial and credit card company Vission, Compaq offered the only solution to a reliability and scalability problem.

Vission needed high availability within its system to process more than one million monthly transactions. It also needed a practical, affordable solution tailored to its external storage capabilities, one that would minimize or eliminate the risk of failure. The solution to both needs came from Compaq *ProLiant* servers running LifeKeeper® software from Compaq partner SteelEye™ Technology, Inc.

SteelEye provides high availability clustering for business-critical applications in small to large enterprises. SteelEye's flagship product, LifeKeeper, is an easy-to-operate, low-cost solution supporting applications, databases, servers, and storage across Linux, Windows NT, and Windows 2000 environments.

## Integrated Solutions

LifeKeeper supports Vission's fibre channel cluster with a Compaq RA4100 external storage enclosure running under Linux and can support up to 32-node clusters for application and data availability. In case of server failure, the fault-resilient software migrates protected resources from the failed system and automatically restores operations on a predefined system.

**"We wanted a system that could suffer any kind of problem and still run. That's something we could not do before."**

-Leonel Gonzalez Soto,  
Administradora de  
Credito e Inversiones  
Vission Limitada  
Santiago, Chile

Compaq and SteelEye have jointly certified LifeKeeper on a range of Compaq *ProLiant* server models and storage configurations. "We are rapidly delivering these integrated solutions through our global channel partners to address customer demand for Linux clusters," says Vince Gayman, Compaq's vice president of High Availability and Manageability Marketing, Industry Standard Server Group. "Compaq *ProLiant* servers running LifeKeeper provide the highest levels of availability for Linux users."

## An Ideal Combination

The Compaq *ProLiant* server and SteelEye LifeKeeper software is a total solution targeted at Linux customers requiring scalability, high availability for applications, and data protection. The solution fits a wide range of configurations, everything from entry-level replicated data clusters to sophisticated multi-tiered fibre channel SAN clusters. According to Vission's Leonel Gonzalez Soto, the combination is ideal for companies like Vission that need to protect data and credit card applications.

"This was the only solution that could use external shared storage," says Gonzalez Soto. The *ProLiant* DL 580 2-server cluster from Compaq, with LifeKeeper software, has improved uptime and enhanced availability, he adds. "You can have a high-availability, fault-tolerant system on Linux for a good price. Big customers are discovering that they are having good results."

The Compaq brand and Vission's experience with Compaq, coupled with the 65 percent market share in Chile for Compaq *ProLiant* servers, all contributed to the company's choice of the Compaq and SteelEye solution. Since the installation, Vission has had "very good uptime based on the hardware and software solution – 100 percent uptime from the February production launch," Gonzalez Soto says.

By implementing the *ProLiant* server and LifeKeeper software solution, Vission broke new technological ground. "Compaq addressed our needs and brought a solution to us which, as far as we know, may be the first in Chile to use a Linux platform with an external fibre array disk," Gonzalez Soto says. "We plan to move our back office to the same platform."

**Business Results:**

- 100 percent uptime since installation
- Processing more than 800,000 transactions per month

**Hardware:**

- 2-node cluster with *ProLiant* DL580 servers
- Fibre Channel Arbitrated Loop with *Storage Works* RA4100 external storage enclosure

**Software:**

- SteelEye's LifeKeeper for Linux; Apache, MySQL, NFS Server, and Sendmail Application Recovery Kits (ARKs); and the Software Development Kit (SDK)
- Compaq *SmartStart*
- Apache Web Server
- MySQL Database v. 3.22.32

**Operating System:**

Red Hat Linux 6.2

**Spokesperson:**

Leonel Gonzalez Soto  
Administradora de Credito e Inversiones Vission Limitada  
Santiago, Chile

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For more information about Vission products and services, call 56-2-7821000 or visit the Vission Web site at [www.vission.cl](http://www.vission.cl).

For more information about LifeKeeper, visit SteelEye's Web site at [www.steeleye.com](http://www.steeleye.com). This case study was prepared with the cooperation of the companies described. The material, however, does not constitute an endorsement of Compaq products by the company.