



Essent

Essent wanted to consolidate to a single data centre—which meant relocating 310 physical and virtual servers from three different sites. The company used PlateSpin® workload management technology from Novell to migrate the servers without taking them offline—eliminating the need to rebuild environments, avoiding disruption to business-critical operations, and saving the company approximately €2 million.

Overview

Essent is a leader in the Dutch energy sector, supplying electricity, gas, heat and waste management services to private and business customers in the Netherlands, Germany and Belgium. The company also operates an international energy trading division called Essent Trading. Essent employs 12,000 people and achieved revenues of €7.4 billion in 2007.

Challenge

Operating in the highly competitive energy market, Essent is constantly seeking to increase operational efficiency and deliver better value to customers and stakeholders. The company saw an opportunity to reduce costs by embarking on a major IT consolidation initiative.

Prior to the project, Essent's IT infrastructure was distributed between three data centres. The company decided to move to a central data centre that would be simpler to manage, maintain and protect.

The first challenge was timing: Essent needed to move quickly, before the lease on one of its existing data centres expired. Second, the servers used by Essent Trading needed to be online at all times, so it was not possible to shut them down and physically

ship them from one location to another. Third, with limited space, power and cooling available at the new site, it was vital to minimise the number of physical servers required and ensure room for future growth.

Solution

Essent identified a number of solutions for simplifying the move from physical servers to virtual hosts (P2V), but the company also needed help with physical-to-physical (P2P) migration. PlateSpin technology from Novell was uniquely able to cover both requirements.

"We liked the ability of the solution to provide anywhere-to-anywhere workload migrations—not only physical-to-virtual, but also physical-to-physical and virtual-to-physical," said Marco Spoel, Project Manager, IT Infrastructure, Essent. "By enabling many different workload movement activities, PlateSpin technology supported both our data centre consolidation project and our ongoing operational requirements—all within a single software, support and training investment."

PQR, a partner specialising in PlateSpin technologies, performed a successful proof of concept, and Essent decided to go ahead with the full implementation.

Essent at a glance:

Leading energy supplier for the Netherlands, Germany and Belgium

■ Industry:

Utilities

■ Location:

Netherlands

■ Products and Services:

PlateSpin Migrate

PlateSpin Recon

SUSE Linux Enterprise Server

■ Results:

- Migrated 310 servers from three sites to a single data centre within one month
- Saved approximately €2 million in migration costs
- Reduced number of physical servers by 8 percent

"If we hadn't selected the PlateSpin workload management solution from Novell, it would have taken a team of 25 people six months to build all the applications in the consolidated data centre—at an estimated cost of over €3 million. Also, we were able to migrate all of our servers in one month with a team of less than eight people."

Marco Spoel

*Project Manager, IT Infrastructure
Essent*



“The PlateSpin solution from Novell saved Essent about €2 million for the data centre consolidation project alone. The solution also made it possible to complete our data centre consolidation without any costly business disruption, and with considerably reduced risk.”

Marco Spoel

Project Manager, IT Infrastructure
Essent

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Essent used PlateSpin Recon to remotely monitor the existing IT infrastructure and perform a full audit of the inventory and utilisation of each server. This made it easier to decide which servers were the best candidates for virtualisation, and which should be moved directly from one physical machine to another.

Using this information, Essent created a detailed migration plan and deployed PlateSpin Migrate to perform the P2P and P2V migrations. Within a month, the company moved 260 SUSE® Linux Enterprise Server and Microsoft* Windows* Server workloads from heterogeneous HP* hardware to standardised IBM* System x* servers. In addition, Essent migrated 50 physical machines to virtual machines on VMware* ESX Server—reducing floor space requirements in the new data centre by 8 percent.

“If we hadn’t selected the PlateSpin workload management solution from Novell, it would have taken a team of 25 people six months to build all the applications in the consolidated data centre—at an estimated cost of over €3 million,” said Spoel. “With the solution we were able to migrate all our servers in one month with a team of less than eight people.”

To further reduce its IT management costs, Essent opted to standardise its Linux* environment to a single distribution, selecting SUSE Linux Enterprise Server as the most cost-effective option.

Results

By implementing PlateSpin to facilitate a rapid and non-disruptive move to the company’s new central data centre, Essent was able to continue its business operations without significant interruption—a crucial advantage, especially for the time-sensitive energy trading division. Moving all the company’s IT infrastructure to a single location will also provide considerable benefits in terms of manageability and security.

“The PlateSpin solution from Novell saved Essent about €2 million for the data centre consolidation project alone,” said Spoel. “The solution also made it possible to complete our data centre consolidation without any costly business disruption, and with considerably reduced risk. The value to our organisation over time could easily be in the order of hundreds of millions of euros.”

Essent views PlateSpin as a strategic asset that will continue to deliver value in the long term. As the business continues to grow, the IT infrastructure will grow with it, and PlateSpin will help Essent assess how to manage its servers most effectively.

“The energy industry in which we operate has a high degree of merger and acquisition activity,” said Spoel. “Essent typically buys smaller energy companies once or twice a year. With PlateSpin workload management solutions from Novell, we will be able to complete the IT consolidations associated with M&A activity with relative ease.”



For More Information:

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