



Data Centre Consolidation & Virtualization

Highlights

- 96 percent virtualization achieved
- 20:1 consolidation ratio done
- 99.99% IT infra uptime achieved
- Helped customer substantially lower down its RTO and RPO targets.
- Benefited customer by the means of Cost Savings, Energy savings, Time savings, Improved responsiveness, Improved business continuity and High application availability

The Client :

One of the world's leading intellectual property (IP) management and an international provider of outsourced legal services. The company provides high quality and cost-efficient legal support services through global delivery centers in Europe, the US and India. The company employs approximately 4000 people.

Challenges :

To create a more stable and scalable IT infrastructure for delivery of applications.

Suggested Solution :

VMware vSphere 5.5 provides a virtualization platform that increases scalability, availability, and manageability of IT infrastructure.

VMWare at Work

VMware vSphere 5.5, featuring:

- ESX Server
- vCenter
- vCloud Suite
- Virtual SAN
- vCenter Site Recovery manager
- Fault Tolerance
- Horizon View
- vCloud Director
- VMotion
- Distributed Resource Scheduler (DRS)
- High Availability (HA)

Deployment environment

- Dell servers
- Guest operating systems: Windows, Linux
- Virtualized Production Applications: Oracle, Lotus Notes, Intellevate, Kofax, Microsoft Office, SAP, and more.

The Benefits :

- **96 percent virtualization:** "We've virtualized over 96 percent of the IT infrastructure including the SAP financial systems. At the time of writing this case study we were working on virtualizing all remaining servers.
- **20:1 consolidation ratio:** If we had not deployed vSphere, the client would have had to expand the datacenter to manage growth.
- **Cost Savings:** With VMware vSphere, the cost savings have been tremendous.
- **Energy savings:** We have reduced datacenter carbon emissions by 150 tons. We hope to continue helping the environment as our VMware environment matures.
- **Time savings:** With vSphere, we can set up a server in less than an hour. Even when we need to configure a new host, we can do so quickly and accurately by using host profiles
- **Improve responsiveness:** Virtualization lets your business scale rapidly because you can deploy desktops, applications and servers quickly and flexibly.
- **Improve business continuity:** Virtualization makes it easier to survive unplanned potential IT disasters. You can move VMs from one server to another in a different location.
- **Deliver high application availability:** Integrated availability and fault tolerance protects all your virtualized applications. Should a node or server ever fail, all its VMs are automatically restarted or continued on another machine, with no downtime or data loss. We had a situation where one of the servers failed. Before we realized, VMware HA had recovered the VMs and restarted them on another server, all within a minute.

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Version - 2015/C09/1.0