Wysetek optimizes datacenter footprint of a leading PSU

The virtualization software with new servers and storage helped the customer reduce DC operations cost and increase in IT Ops.

Client Background

One of our esteemed PSU client has been ramping its business as a leader in the space. In such a high intensity industry, IT systems play an important role to gain the competitive advantage. The ERP applications on mySAP platform was in place at the customer end for supporting its core business functions. However the current setup of SAP at primary was more than 7 years old and the systems needed a refresh.

Most of the servers and software applications were old and outdated. Hence there were many difficulties and challenges observed such as cost of maintaining old hardware infrastructure, support of outdated software application and very high cost of running data center.

The main objective of the system over all was to bring down the high running cost involved for hardware support, update to the latest software technology which would ease the data center manageability and also increase the productivity.

Detailed Analysis

After complete study and survey conducted by high profile technical team of Wystetek, it was suggested to replace complete old legacy hardware servers and storage and adopt with latest software application which will technically compliance to handle DC, Near DR and Far DR operations with ease of manageability.

The solution will also bring down Datacenter Operation cost, in terms of power, Datacenter Space in both locations – datacenter and Far DR. Near DR Site will also be achieved as per compliance as part of the suggested solution.

To achieve software compliance VMware as Virtualization solution with Business continuity was proposed. This helped to reduce the number of Servers required for operations. With Reduction in servers and storage, high saving were achieved in terms of power and space required in data center. The solution includes SAP HANA in appliances.

Performance, Compliance and ease of IT operations was achieved with VMware Virtualization & VMware Site Recovery Manager for Business Continuity.

The old legacy and high cost hardware infra was replaced by new highly technology capable Fujitsu Servers and Storage.

The Benefits

In the customer's datacenter, total 4 Datacenter Racks hosting 30 plus Physical old hardware Servers and Storage were replaced with only new 2 Datacenter Racks with 13 physical boxes of servers and storage of Fujitsu. This reduced the datacenter cost to a large extent.

The existing SAP Landscape running on DB2 Database and on proprietary RISC based architecture was replaced with more open standard x86 architecture. This gave a significant benefit to the customer on the overall TCO on the infrastructure side.

SAP applications moved to the new SAP HANA In memory technology meant that a complex and critical SAP landscape led to huge transactional and analytical performance benefits. Core SAP ERP, SAP Employee portal and other modules on IN memory databases has helped the organization with a very low latency responses on transactions. SAP business warehouse on HANA has given very strong analytical platform to the company with strong improvement on the overall SAP landscape for the dialogue response times.

From a business continuity perspective, the deployed solution was built on using SAP HANA System replications and storage based replication.

On the Data protection side, VERITAS NetBackup was deployed that provides day to day data protection for SAP HANA Databases, SAP Sybase DB and certain applications on SQL Databases.

The VERITAS solution tightly integrated with VMware protected the entire virtualized landscape. The overall backup solution approach gives the customer a strong Data Protection strategy to comply with all required Statutory Data Protection compliances.

With VMware as the virtualization software, the total physical Servers required were reduced, which indirectly was a huge saving with respect to datacenter operations. Also increase in IT Operations Performance was observed for the customer.

With VMware Site Recovery Manager, the compliance of business and the continuity was achieved. There was an ease to manage and operate Datacenter and Disaster Recovery Operations with the updated software technology in place at the customer end.

Reducing datacenter footprint

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Reducing datacenter footprint

- VMware Virtualization Suite
- VMware Site Recovery Manager
- Fujitsu Servers and Storage

Key Solutions Offered by Wysetek

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