Wysetek deploys HCI to reduce Capex at engineering company

Nutanix's hyper converged platform eliminated multi-vendor management amongst other benefits for a global engineering company.

The Engineering Consultancy and Contracting Company in India is a perfect blend of Japanese technology and management practices with Indian expertise and ingenuity.

For four decades, the company has grown from strength to strength and is now an epitome of progress and quality. With the opening up of Indian economy in 1990's, the Indian arm of the conglomerate emerged as a preferred engineering partner amongst public sector companies and corporate world by setting up grassroot Oil & Gas Refineries and Petrochemical complexes.

Pain Points

With India's growing economic ambitions, the Indian arm of the leading engineering company wanted to capitalize on opportunities in Energy and Infrastructure sectors to emerge as 'Global Leading Engineering Partner'.

The management looked to leverage technology to the maximum benefit as the company was moving on its growth trajectory. The company's IT infra had outdated Cisco servers with Fabric Interconnects near to their End of Life product support. The business team wanted IT team to deploy new technology solutions that will reduce the expenditure on Virtualization Hypervisor support and the associated license cost.

The goal was to utilize solution that will reduce CAPEX on Virtualization and Hardware support and license without compromising on the performance of IT and quality of service.

The Implementation

After a detailed analysis and complete case study by Wysetek team, Hyper converged infra solution was shortlisted as the best solution for the company to reduce the main pain points. Nutanix Hyper Converged Platform was suggested as the replacement for both hardware servers and virtualization hypervisor.

The Wysetek team deployed two Clusters with Nutanix Hyper Converged Platform using AHV as hypervisor for one of the clusters and ESXi Servers have been used for other cluster to satisfy software compliance.

Key Benefits

Nutanix Hyper Converged Platform provided reduced CAPEX on hardware servers as well as virtualization platform. Besides reduction in CAPEX, space required, power required, cooling required have been reduced at the company. With deployment of Nutanix HCI Platform, the Rack Space required was reduced from previously 26 Units to just 6 Units, Power required from 7.6 KW to 2.3 KW, Thermal Dissipation from 23.5 KBTU/Hr to 7.9 KBTU/Hr, which in turn have reduced CAPEX on cooling also.

With Nutanix Hyper Converged Platform, the cabling required has also been reduced by a significant amount.

The requirement for multiple vendor management has been almost eliminated as the vendors for Storage, Compute, SAN Switch have been merged into one single platform. VDI Platform has been transferred form Cisco UCS to Nutanix Hyper Converged Platform Cluster with ESXi as Hypervisor. This was only possible due to the multi hypervisor support provided by Nutanix.

MS SQL Servers, IBM Lotus Email Servers, Solarwind Monitoring Solution Server in the infra have also been migrated to Nutanix Hyper Converged Platform from physical bare metal servers and Cisco UCS.

Prime Benefits of Nutanix Hyper Converged Platform

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