

HCL selects Nutanix to Deliver Hyperconverged Cloud Infrastructure for European Manufacturer

HCL employed Nutanix technology to provide a scalable, easy-to-manage, service-based Hyperconverged solution for demanding large enterprise infrastructure.

BUSINESS BENEFITS

This major European manufacturing company was relying on a traditional 3-tier architecture environment, with legacy servers, SAN networking infrastructure, and an aging SAN storage system. The customer shares a successful business relationship with HCL and asked HCL to help to move to a superior solution as replacement.

“A 100% software-driven infrastructure running on a x86 servers which delivers a scalable, high-performance storage and computing platform, eliminating traditional IT silos while reducing operating expenditures.”

HCL proposed Nutanix as a partner who could support all mission-critical applications and database requirements. High availability, cost reduction, and performance were the deciding factors for choosing this new technology solution for hosting Oracle DB and PTC Windchill PLM software.

After a successful implementation, HCL-managed infrastructure costs less, offers better performance, and is fully scalable.

The client needed a high-performance environment that offered agility, scalability, and management simplicity to run Oracle alongside PTC PLM (Product Lifecycle Management) applications with:

- Higher performance and scalability
- Improved availability
- Faster deployment and reduced operational complexity

INDUSTRY

Manufacturing- Heavy Industry

CHALLENGES

Replace end-of-life infrastructure with a Next Gen Solution stack to lower costs, improve performance and de-silo three-tier architecture.

SOLUTION

- Nutanix Enterprise Cloud built on AOS
- Nutanix AHV Virtualization
- HPE DX Series powered by Nutanix
- Nutanix Services for Implementation

Applications

Oracle Database and PTC Windchill

This Solution:

- Eliminated the need to coordinate server and storage maintenance between IT groups
- Delivered a high availability solution for all applications and workloads
- Increases performance across all development workloads.
- Provides simplified storage, server and hypervisor management within one unified management console.

CHALLENGE

HCL needed to provide the client with a Next Gen solution stack which could save money and improve performance all at once. To accomplish its goals, the right solution would need to allow for de-siloed, simplified management of high-performance technology infrastructure.

As the client is a large enterprise with multiple lines of business and corporate entities, they would need a highly scalable solution that could keep up with growth and/or rapidly changing business challenges across these diverse business units.

SOLUTION

HCL designed and delivered a streamlined infrastructure architecture built around Nutanix Enterprise Cloud, which can be replicated across multiple customer locations globally. The Nutanix technology foundation ensured that HCL could deliver on key priorities for this infrastructure refresh. Enhanced de-duplication and compression features dramatically cut raw storage requirements.

HCL successfully completed implementation on the timeline designated by the customer, facilitating a successful transition to the private cloud for key application support.

This solution has significantly increased performance, with Nutanix providing roughly twice the processing power as legacy Sandy Bridge CPU's, dramatically enhancing performance for Oracle and other key applications. A truly software-defined solution, Nutanix employs web-scale engineering. This helps facilitate virtually unlimited future scaling.

CUSTOMER OUTCOME

The client benefits from better performance, lower TCO, and significantly enhanced agility looking into the future. With HCL's managed services and Nutanix infrastructure, their technology can be rapidly scaled up to respond to virtually any business challenge (new capacity can even be deployed and put into use the same day). Software-defined infrastructure ensures that scaling is not only quick, but virtually unlimited.

HCL leveraged Nutanix's built in Acropolis Hypervisor to save on licensing costs, further bringing down the overall cost of this solution. Meanwhile, the move from in-house administration to a managed services model supported by HCL has dramatically simplified technology management for the client.

Finally, these technical capabilities are paired with powerful administrative tools. Nutanix Prism lets IT administrators handle admin workflows through a single-pane interface.

NEXT STEPS

HCL's infrastructure-as-a-service solution has proved its worth, and the client is already working with HCL to add more services to this contract.

HCL/Nutanix are currently working with the customer to implement an improved Disaster Recovery solution capable of supporting stringent RTO/RPO targets across all customer sites. Meanwhile expansion of the cluster is in progress and HCL wants to leverage the benefits of Operations Automation through Prism Pro X Play services.



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