

Design and implementation of workload migration to cloud

Using Azure VMware Solution for a leading dairy product exporter



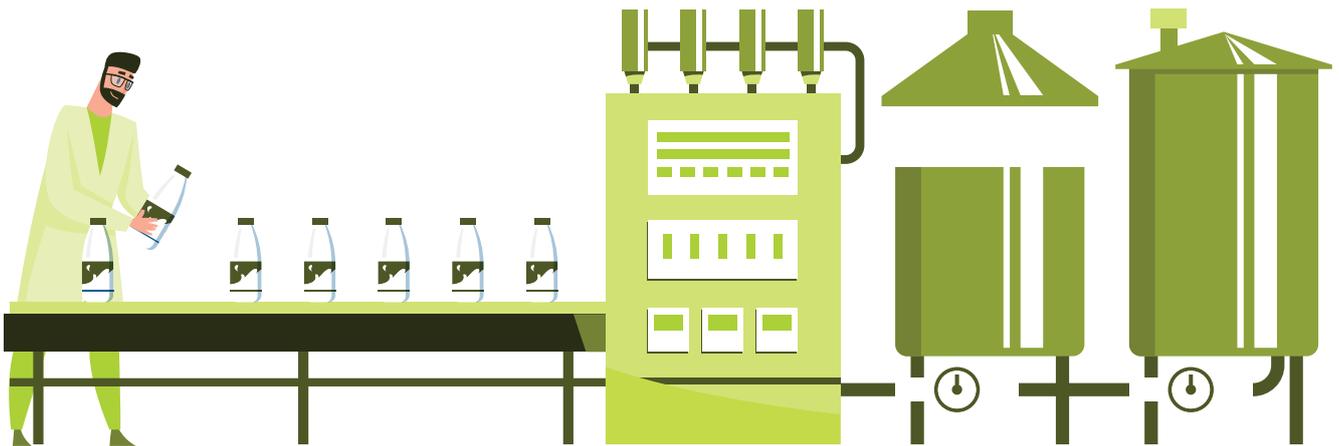
Customer profile

The client is world's largest exporter of dairy products (approx. 30% of the world's dairy exports), a leader in dairy science and innovation, owner of a significant portfolio of brands in Asia Pacific, and a partner to many of the world's leading food companies. Owned by over 10,000 farmer shareholders, the co-operative operates in over 140 countries.



Business need

The client has hosted their IT infrastructure across two data centres and is looking to avoid capital expenditure of the data center and migrate workloads to a flexible cloud based solution that support Opex model and scalability requirements.



The challenges faced included



Modernization of legacy applications



Legacy IT infrastructure unable to support the growth of the organization in an environmentally sustainable fashion



High CAPEX involved in EOL hardware refresh and upgrading legacy OS



Downtime risks during application migration hampering productivity of business users



Closure of on-premises DCs with minimal business disruption



HCL Technologies' solution:

HCL Technologies explored options that would allow to run VMware workloads natively using alternative delivery models & Azure VMware Solution (AVS) is a stepping-stone towards the cloud journey for complex workloads by extending existing VMware environment in cloud. This digital transformation covers design and implementation of Azure VMware Solution (AVS).

Our approach



Identified workloads for migration



Assessed the workloads and mapped the infrastructure dependencies to prepare move groups and migration plans



Planned and designed the deployment after reviewing requirements from stakeholders and application owners



Deployed 3 nodes on AVS private cloud for production



As-is migration for the workloads as per agreed migration plan



Integrated AVS with currently deployed tools such as backup, monitoring, and Global ITSM



Performed DR (backup and restore) by using their existing tool "Commvault"



Designed solution based on Intel AV36 instances which is being leveraged for high performance and scalability



Intel supported the onboarding - ensured customer objective fulfillment through endowment

Post implementation scenario



Azure AVS native scale on demand platform for hosting applications



Migrate application from on premise with ease



Microsoft Azure native toolsets integrations



Collaboration with Intel and Microsoft

Intel and HCL Technologies proactively collaborated to identify the right workload instances for the customer.

Intel's AV36 on Azure was identified as an instance which provides following benefits.



Consistent performance.



Integrated security



Optimized memory and bandwidth



Seamless off-the-shelf Azure integration along with VMWare

HCL Technologies and Intel collaborated to do a complimentary PoC for the client to showcase the value before embarking on the actual implementation.



Benefits delivered to customer

3 years of free extended security updates on Win 2008 R2 and SQL 2008 R2 servers



Minimized business disruption with utilization of existing skillsets of talent pool



Reduced complexity, increased scalability, and agility of the IT landscape



Huge benefits on Windows & SQL EOS / EOL licensing costs

Integration with Azure Services and Azure Ecosystem along with low latency connectivity



HCL

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