

Global data center standardization through automation

HCL deployed the VMware Cloud Foundation solution



Customer overview

The customer is a global, family-controlled group providing M&A, strategy, and wealth management solutions for a wide range of clients, from individuals to governments. Currently, the customer operates through two major global data centers in France.

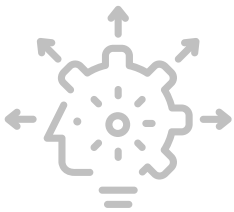


Challenges

The customer's main vision for their future data centers and IT environment is to standardize, simplify, and consolidate operations using the latest private cloud architecture and high-density infrastructure principles

To achieve this goal, they needed to overcome the following challenges:

- 90% of the computing and storage services were to reach EOL by mid-2021
- Long wait times to onboard new computing and storage services within the traditional three-tier infrastructure
- Security hardening does not meet CIS standards
- Poor patch compliance and reporting within the existing infrastructure
- Long upgrade cycles for firmware/version upgrades
- Poor capacity planning and performance issues
- RPO/RTO does not meet business requirements
- High operational costs
- Manual provisioning



The HCL solution

HCL planned and executed a global infrastructure program for two global data centers of the customer. The primary focus was to consolidate and simplify the infrastructure for network, compute, storage, and backup services.

To achieve this, HCL studied the situation and offered the VMware Cloud Foundation (VCF) on a stretch cluster across the two global data centers. This ensured a standardized VMware SDDC architecture that was well worth the time and effort of infrastructure deployment.



Results

The VMware Cloud Foundation solution replaced the existing infrastructure by transforming the pre-existing workload through auto-provisioning, auto LCM, resource optimization, and DR. This solved multiple issues related to the deployment of virtualization for compute, storage, and networks and cloud management on one integrated software stack mechanism.

This simplified the deployment and automation capabilities of the VMware Cloud Foundation on VxRail integration and provided the following benefits:

- Resource optimization and reduced operational costs
- Reduced operational activities
- DR with minimum RPO/RTO
- Micro-segmentation
- Optimized log insights
- Automated provisioning for infrastructural LCM

HCL

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