HCL

HCL deployed VMware solutions for server migration

Successful migration of existing servers with full automation and monitoring capabilities

Client overview

The client is a multinational US energy provider based in San Diego California. Their main focus is on electrical and natural gas infrastructure.

Challenge

The client wanted to migrate their existing servers from their older infrastructure to a newer one. To aid this process, automated server provisioning was needed to minimize the server migration timelines. Furthermore, automating the server build process would minimize the turnaround time for delivering virtual machines to the requestor.

A few additional challenges that the client needed to overcome includes:

01	02	03
Monitoring of the SDDC environment	New infrastructure not being monitored from a capacity and performance perspective, leading to a variety of major issues	Lack of auto-ticketing for issues in the new infrastructure

The HCL solution

After carefully considering the client's operations and specific requirements, HCL leveraged their VMware automation solutions to replace the pre-existing models. These were used to address the automation, orchestration, monitoring, and SDN requirements of the client.

HCL implemented vRealize Automation (vRA) 8.1 in the infrastructure to deliver automated server provisioning in a better manner. Following this, the vRealize Operations (vROps) Manager 8.1 Analytics cluster was deployed in a three-node format alongside 2x Remote Collectors. This sought to facilitate a highly responsive and alert monitoring network. Within the new vROps framework, virtual monitoring was conducted by vCenter, NSX, and ESXi; while EMC PowerMax and EMC Unity conducted the physical monitoring.

Results

The vRA solution was able to successfully provision Windows servers, RHEL, and Oracle Linux Servers while adhering to the client's original build SOP
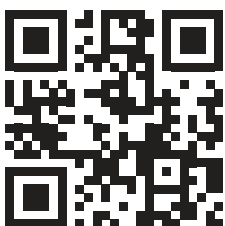
The vROps solution has been successfully monitoring the project infrastructure in a comprehensive and planned manner

HCL Technologies (HCL) empowers global enterprises with technology for the next decade today. HCL's Mode 1-2-3 strategy, through its deep-domain industry expertise, customer-centricity and entrepreneurial culture of ideapreneurship™ enables businesses to transform into next-gen enterprises.

HCL offers its services and products through three lines of business - IT and Business Services (ITBS), Engineering and R&D Services (ERS), and Products & Platforms (P&P). ITBS enables global enterprises to transform their businesses through offerings in areas of Applications, Infrastructure, Digital Process Operations, and next generation digital transformation solutions. ERS offers engineering services and solutions in all aspects of product development and platform engineering while under P&P. HCL provides modernized software products to global clients for their technology and industry specific requirements. Through its cutting-edge co-innovation labs, global delivery capabilities, and broad global network, HCL delivers holistic services in various industry verticals, categorized under Financial Services, Manufacturing, Technology & Services, Telecom & Media, Retail & CPG, Life Sciences, and Healthcare and Public Services.

As a leading global technology company, HCL takes pride in its diversity, social responsibility, sustainability, and education initiatives. As of 12 months ending on September 30, 2021, HCL has a consolidated revenue of US$ 10.82 billion and its 187,634 ideapreneurs operate out of 50 countries. For more information, visit www.hcltech.com

www.hcltech.com