

# Enabled data center modernization and zero-trust security

For a leading UK-based financial services  
company



## Customer background

As one of the leading global financial companies in the UK, the customer provides wealth and asset management, merchant banking, and global financial advisory services. It has its presence across 40+ countries and a team of 4000+ talented financial services specialists. The banking major had two on-premises data centers hosted in third party premises, with its multi OEM hardware environment approaching end of life (EOL).

## Customer challenges or pain points

- Due to defined timelines to exit third party data centers, the customer was looking for an experienced and trusted technology partner to support their end-to-end data center transition.
- The provisioning of new workloads was slower due to the existing network and security processes, which was leading to performance issues and challenges with capacity planning.
- Unable to achieve a robust security posture as the existing Layer-7 Intrusion Prevention System (IPS) inspection for East-West and North-South network traffic required multiple hardware and hair-pinning of traffic.
- In addition to these, the existing Recovery Point Objective (RPO) and Recovery Time Objective (RTO) were not meeting their business requirements.



# HCLTech solution tenets

- HCLTech helped in stretching the banking major's cluster deployment between two data centers with the extension of overlay networks for automated failover.
- The HCLTech team implemented the VMware NSX-T Data Center solution with Fortinet integration and NSX for IPS inspection of East-West and North-South network traffic.
- The SDN implementation helped in achieving automated workload provisioning via NSX and vRA integration.
- To enhance their security posture, HCLTech helped the customer to migrate its 3,000+ firewall rules from Juniper and CheckPoint to NSX data center.
- For better visibility and control, it integrated vRNI with NSX, Cisco Nexus switches, and Fortinet firewalls, which also enabled advanced analytics and improved their end-to-end visibility.

## Business and operational benefits to customer

HCLTech's state-of-the-art DC modernization solution enabled seamless business continuity with minimal disruption to the customer's business and network operations. These benefits, included:

- High network availability, agility and scalability across network layer in data centers
- Reduced firewall footprint through isolation of legacy and critical workloads at virtual layer
- Faster deployments with the introduction of VCF
- Reduction in network hardware footprint with zoning at logical layer on NSX
- A seamless automated failover with near-zero RTO
- IPS inspection and enhanced security for East-West and North-South traffic, with the capability of micro-segmentation for future use
- Automated provisioning of workloads with enhanced analytics
- Reduced MTTR with end-to-end visibility

To know more about HCLTech's Networks capabilities, please write to us at [Contact.NGN@hcl.com](mailto:Contact.NGN@hcl.com)