CONSOLIDATION & EXPANSION OF STORAGE INFRASTRUCTURE FOR A LARGE PUBLIC SECTOR BANK IN INDIA

Customer Background

The client is an Indian multinational, public sector banking and financial services company, headquartered in India. It has over 150+ offices operating in more than 30+ countries and is part of the Fortune Global 500 list of world's biggest corporations.

Business Challenge

The Bank was under the mandate to merge with its associate banks due to recent changes in banking environment. As a result of the regulatory standards compliances such as Basel III and risk management , the client decided to invest in the next generation technology which would allow them to ensure complete transparency and control over banking transactions.

Post-merger with its associate banks, the client expected the data volumes to grow extensively. It also had on premises cloud platform which was being used to run applications. The client was facing challenges in terms of application performance on cloud with their existing storage. Additionally, for business continuity the client was looking for storage based replication from Data Centre (DC) to Disaster Recovery (DR) site. The existing IT infrastructure had become insufficient for managing spikes in demand.

Solution Highlights

As a result of the merger not only the bank had to undergo regulatory changes but also achieve consistency and consolidation in IT infrastructure across its associate banks. Its storage infrastructure needed to react rapidly to changing business needs, and leverage each slice of storage on its information system. The company's initial challenge was to build a DR site while expanding its central storage system.

Considering the nature of client's critical data Hitachi proposed scalable and future ready solution from Netapp and Cisco which would optimize speed and increase the response time without affecting business continuity. After careful analysis team Hitachi offered following solutions:

1
NetApp all flash storage A700 with 1 Petabyte usable capacity – Considering the huge data volumes and performance requirements Hitachi enabled the client with flash storage efficiencies and effective capacity for large workloads

2
Cisco SAN switch for their primary and DR site – For enabling client with improved operational efficiency using robust and flexible hardware architecture with secured access to data

3
NetApp ONTAP- Using standardized data management across storage environment at the same time reducing data footprint on multiple apps. ONTAP storage efficiency features enabled customer to achieve online backup, compression and de-duplication

Business Outcome

- The client achieved consistent high performance 50% and low latency to meet the demands of a multitude of workloads in a shared environment using all flash storage.
- Visible reduction in storage space by 5 to 10 times on average.
- Cost saving as result of reduction in power consumption by 10% and rack space by 20%.
- Remove network bottlenecks with high-speed connectivity of 32Gb FC and 40Gb Ethernet
- Provisioning of storage system and serve data availability within 10 minutes.

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Hitachi Systems Micro Clinic is an IT services company established in New Delhi in 1991; it became a group company of Hitachi Systems, Ltd. in 2014. The Company is uniquely positioned as a cable-to- cloud service provider and an end-to- end IT services and solutions provider that helps businesses meet today's challenging and complex IT requirements. The Company delivers innovative technology solutions to enable enterprises and governments to re-align and integrate IT processes to be more responsive to Customers' needs.