Azure Infrastructure Design, Migration, and 24*7 Managed Services for US-Based Global CRO and Biopharmaceutical Services Company

Client

The client is a US-based multinational life sciences consulting firm, and Contract Research Organization (CRO). It is the second largest clinical research organization in the world and has helped develop approximately 95% of the 200 top-selling biopharmaceuticals on the market today.

Challenges

▸ Datacenter capacity shortage and platform limitation in terms of scalability and performance

▸ Tedious manual deployment process and high turnaround time

▸ Complex network landscape for integrating with different client environments

▸ High re-engineering cost and upfront cost

LTIMindtree Solution

▸ Designed Enterprise Azure Architecture for multi-region and multi-subscription environment

▸ Implemented scalable virtual networks across subscription with Hub and Spoke Model and established ultra-performance ExpressRoute gateway

▸ Implemented IPS and IDS solution using Cisco Network Virtual appliance on Azure Seamless

▸ Migration of on-premise servers to Azure using DevOps CI-CD pipeline

▸ 1000+ VM migration and management using LTIMindtree Smart Deploy Automation

▸ Implemented near real-time data replication and hosts provision through Azure Site Recovery

▸ Replicated SQL Databases using SQL always-on on Azure

▸ Leveraged DMA to migrate SQL instances to Azure SQL Database

▸ Migrated Windows, Linux and SQL servers to Azure using Azure Site recovery

Business Benefits

▸ Increased virtual footprint and reduced physical, thereby reducing administrative overheads

▸ High availability and improved compliance associated with IT Infrastructure

▸ 40% reduction in cost and 70% reduction in recovery time

▸ 45% savings in operation and administration cost

▸ Using Azure site recovery achieved near-to-zero business down time

Technologies Used

Microsoft Azure, LTIMindtree Smart Deploy, Cisco