Azure Infrastructure Design, Migration, and 24*7 Managed Services for a 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

- Data center 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