



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.
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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.
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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

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