



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.


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## 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

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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

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## Technologies Used

Microsoft Azure, LTIMindtree Smart Deploy, Cisco

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