

# IaaS and the Agile Mainframe Enable Enterprises to Focus on Their Core Business

## F500 Financial Services Company Implements IaaS as Growth Soars

Today's data-driven industry leaders use modern technologies to anticipate their clients' needs and include the agility to respond to changes in the marketplace. Organizations with strategic legacy platforms, like the mainframe, often require additional expertise to architect and manage modernization and ensure a seamless and non-disruptive transition. By implementing managed services for the infrastructure, enterprises can focus on growing their primary business while taking advantage of today's agile IT.

This was the case for one of F500's fastest growing members. To sustain their growth trajectory, they assessed their aging IT infrastructure and determined that it could become a liability and limit the company's ability to respond to changes in the business landscape. At the heart of their operations was an IBM mainframe processing transactions for many of their largest clients. Unfortunately, the pace of increasing demand on the existing platform would not be supportable, especially for the tape-based batch processing and backup & recovery operations.

After evaluating insourcing and various managed services providers, they selected the partner that would not only offer the best in enterprise managed services, but would bring digital transformation expertise for creating IT agility in their storage infrastructure.

### THE CHALLENGE

Transforming a large legacy mainframe storage infrastructure into a modular, agile and low-touch solution

### AT A GLANCE

Cognizant helped a financial services company to modernize its operations by migrating to Infrastructure as a Service (IaaS), including strategic mainframe operations.

#### Outcomes

In less than 3 months, the solution:

- **Improved** batch processing performance **by 4x**
- **Reduced** disaster recovery time from 2-3 days **down to 3-4 hours**
- **Improved** security and PCI compliance
- **Completed** the entire transition **non-disruptively**

can be a daunting task. Ensuring zero downtime for a 1,500+ mile data center relocation, while migrating a system critical to business operations, requires next-level know-how and skillful follow-through.

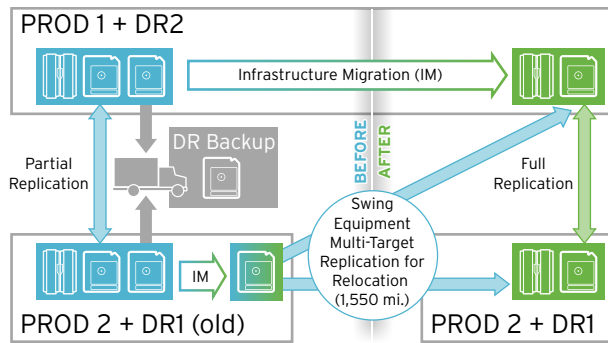
Although these challenges were new, they were not new to Cognizant. Cognizant provides Infrastructure as a Service (IaaS) solutions for all aspects of IT and has vast experience migrating clients from legacy mainframe environments, to the best of breed mainframe technologies available. In addition to new mainframes, DASD and networking, the

solution would require migrating to new virtual tape solutions at two sites, each in a different state, followed by a remote migration to a third site in yet another state.

## THE SOLUTION

Fortunately, Cognizant’s partner ecosystem included Luminex Software, Inc., the leading provider of modular mainframe virtual tape solutions. As part of the extended Cognizant team, Luminex also brought extensive experience and tools for providing tape migration services to meet critical and time-sensitive requirements for large financial and insurance services providers.

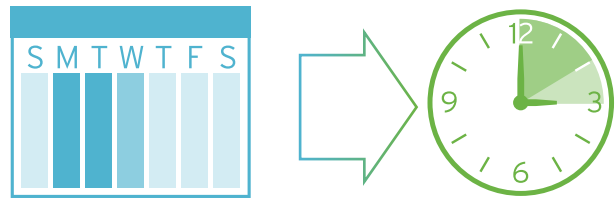
To replace aging Oracle VSMs and SL8500 physical tape libraries and meet this new client’s challenges, Cognizant implemented Luminex’s Mainframe Virtual Tape (MVT), featuring Hitachi G Series storage systems, encryption at rest and in-flight, Luminex Replication, and Push Button Disaster Recovery for simplified and non-disruptive DR testing. With its modular architecture, MVT would enable the company to continue to grow its business with confidence in the future scalability and extensibility of its core infrastructure.



To implement the solution, Cognizant would need to migrate operations for two data centers (Prod 1 and

Prod 2, see figure), the second of which also needed to relocate to a new facility over 1,500 miles away. All of this would need to be completed without impacting mainframe tape operations and under hard deadlines: the lease on the original site was ending and their busy season was rapidly approaching.

The answer to these challenges was to use Luminex’s Express Migration Tools and a temporary (“swing”) MVT system at the second site. In parallel with the local tape migrations, the interim MVT replicated both Prod 2’s production data to the new site and its DR data to Prod 1. Regular DR testing was performed concurrently by using Push Button DR to demonstrate its effectiveness, without impacting production, migration or replication processes. Once production and DR data migration had finished, operations were non-disruptively cut over to the new infrastructure ahead of schedule and in time for the company’s busy season.



Not only did the new solution demonstrate its value through agility, the client’s production and batch processes realized a 4x performance improvement. Backup and recovery exercises, which previously took days to accomplish, are now completed in under 3 hours using Push Button DR testing.

Cognizant’s IaaS, once again enabled a client to outsource their IT operations, systems management and technology refreshes, freeing the client to dedicate their resources and energy to focus on their primary business: increasing sales and providing greater value to their end clients.

### ABOUT COGNIZANT



Cognizant (Nasdaq-100: CTSI) is one of the world’s leading professional services companies, transforming clients’ business, operating and technology models for the digital era. Our unique industry-based, consultative approach helps clients envision, build and run more innovative and efficient businesses. Headquartered in the U.S., Cognizant is ranked 195 on the Fortune 500 and is consistently listed among the most admired companies in the world. Learn how Cognizant helps clients lead with digital at [www.cognizant.com](http://www.cognizant.com) or follow [@Cognizant](https://twitter.com/Cognizant).

### ABOUT LUMINEX



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