

## Company: Provider of Services to Financial Institutions

### Overview / Problem Statement

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A company that processes over \$8b in transactions weekly for over 2800 financial institutions needed to build fully redundant processing systems to meet the requirements for clients and bank examiners.

### Solution

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Over 6-month period a comprehensive design was completed that provided for no single point of failure in the services delivery. From this came bill of material lists. The implementation was completed and spanned multiple data centers in multiple geographic location. One primary requirement was a near-real time (minutes) failover to the secondary data center if required.

The solution included current blade infrastructure technology as well as advanced data replication and protection.

This solution virtualization as a key component to the fault tolerance as well as very robust load balancing and failover capability. A full disaster recovery model was created and implemented and tested.

### Benefits

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#### Predictability / Reliability

Availability was at or near 99.999%. Failover to the backup data center was under 15 minutes.

#### Scalability

Utilizing virtualization provided an quick and easy path to scale capacity as needed and scale back capacity when not needed.

#### Regulatory

Proven to meet the requirements for safety and soundness, the clients and the bank examiners were satisfied with the results and used it as a de-facto standard for future examinations of financial institution service providers.