

# CASE STUDY

## Retail Banking and Financial

A Major District Cooperative Bank Implements DR solutions Hardware-Software and MPVPN Solution for Complete Site Redundancy to Support its Mission Critical Banking Operations at its Taluk and Hobli Locations



### Customer and About

A large **District Cooperative** banking institution based in Hassan, Karnataka initiated an IT solution that would provide link redundancy at its District Locations due to growth in the region. Although the bank is concentrated primarily in Hassan as one of District's leading Co-operative-sector banks servicing roughly 1 million customers at District, it also operates in key Agricultural markets including the Talukas and Hoblis.



### Problem Statement

The Bank disaster recovery (DR) and high availability challenges surrounding the need to protect and ensure the continuous availability and performance of its critical data center operations. The study analyzes the benefits gained by

The Bank by implementing Hardware and Software Based DR solutions, which are aimed at allowing organizations to continuously assess their DR readiness, avoid system downtime, data loss or data corruption, as well as ensuring regulatory compliance.



### Solution Proposed

Disaster recovery setup.  
Power supply N+1 redundancy is being used.

Synchronous replication is performed between the data center and the nearline disaster recovery setup. Setup uses a leased line as well as MPLS cloud on the connectivity. All the replication is storage-based Zero lag between the data center and disaster recovery

DR setup is an exact replica of the primary site.  
RPO at 30 minutes, RTO at an hour.

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### Successful Implementation

All the components need to setup the DR site was carried out.

All components were N + 1

- Power
- Servers
- Storage
- Network Components
- Physical security

Demonstrated successfully the failover and failback from DC to DR and Back.

RTO & RPO achieved as per the Clients requirement



### Outcome

Maintaining disaster recovery and high availability environments, many organizations are struggling to ensure that their objectives are met in a consistent manner. Given the criticality of Bank data centre operations, the bank has defined strict DR objectives, which to a large extent could not be met, due to an inability to effectively test their DR readiness. The Bank has been able to identify configuration gaps between its production and DR sites and keep track of data protection gaps caused by the frequent configuration changes in the production site. Thus, it has been able to ensure its ability to maintain its objectives while improving the effectiveness of its DR operations.



### Conclusion :

#### DR Site setup

**100% compliant with RBI guidelines., resulting in 0 Penalties  
Better services to the Customers.**

**No Data Loss., No need to perform high duration data recovery**