

Eliminate Multi-Site, Multi-Hop Replication



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Current Situation

A global bank situated in Manhattan employs a multi-hop replication topology, with synchronous local replication to a data center in New Jersey and an asynchronous distance replication to a data center in the Midwest. After the 9/11 attacks, new federal guidelines emerged that mandated global banks provide disaster recovery locations outside their main operating regions. The intent of a more geographically dispersed environment is to ensure that regional disasters would not disrupt trade.

In a stringent regulatory atmosphere, the bank implemented both a local data center for synchronous replication to ensure zero data loss and an out-of-region data center to satisfy new regulations and provide failsafe business continuity.

Main Challenge

The bank is struggling with balancing “zero data loss” requirements with rising costs. Regulators and customers are demanding “zero data loss”. However, growing data center costs are an increasing concern for the bank. In addition, shareholder concerns about profit margins are adding to the pressure. As such, the bank would like to:

- Maintain zero-data-loss capabilities of current solution
- Eliminate the cost of 3rd data center

Solution

The bank implemented the Phoenix System® RP solution which enabled them to continue using asynchronous mirroring with application-consistent snapshots to the remote data center, and replace the local, synchronous data center with Axxana’s Enterprise Data Recorder (EDR), a sturdy and robust data protection storage system capable of withstanding extreme conditions and surviving any type of disaster without losing data. In this way the bank was able to realize its requirements of maintaining zero data loss even over long distances, a solution that was impossible to achieve prior to Axxana’s solution, and provides the bank with the option to eliminate the 3rd data center, realizing significant cost savings.



Israel

38 Habarzel St. Lobby B, Tel-Aviv, 69710, Israel
Tel: +972-74-788-7800 | Fax: +972-74-788-7878

USA

275 Grove St. Suite 2-400, Auburndale, MA 02466, USA
Tel: +1-781-304-4890