

Securing the Digital Identity of a US-based Energy Firm by Modernizing Its Disaster Recovery System

 Case study





Overview

Leveraging the cloud for business continuity

Our client, a leading North American provider of long-term, low-cost American-produced liquefied natural gas, was dealing with a traditional backup system without any disaster recovery services. The threat of data loss and business interruption was real. Moving to a cloud-based disaster recovery system became critical for business continuity. We used our expertise to help the client modernize its backup system and secure its digital identity.



Challenges

A legacy system lacking disaster recovery services

As a leading provider of liquified natural gas, our client faced difficulties with its legacy backup system lacking disaster recovery services. The absence of multiple backup copies and no visibility of the recovery point objective made data loss and business interruption a real threat. The client's technology landscape comprised a hybrid cloud infrastructure with on-premises and Azure cloud services. The client was looking to use another cloud for disaster recovery for the Azure workloads. We leveraged our Zero Trust Identity Access Management framework and implemented multi-cloud DRaaS architecture using Azure, AWS, and Iron Mountain to secure the client's digital identity.



Solution

Multi-cloud environment with multiple backups

The client had a wake-up call when a recent disaster took down the Microsoft Azure cloud for an extended period causing a business interruption. We needed to build a multi-cloud environment allowing the client to run its application portfolio from AWS to ensure business continuity should another disaster occur. Backup copies were taken regularly and transmitted from Azure to AWS to Iron Mountain.

Below is a concise view of the solution we provided:

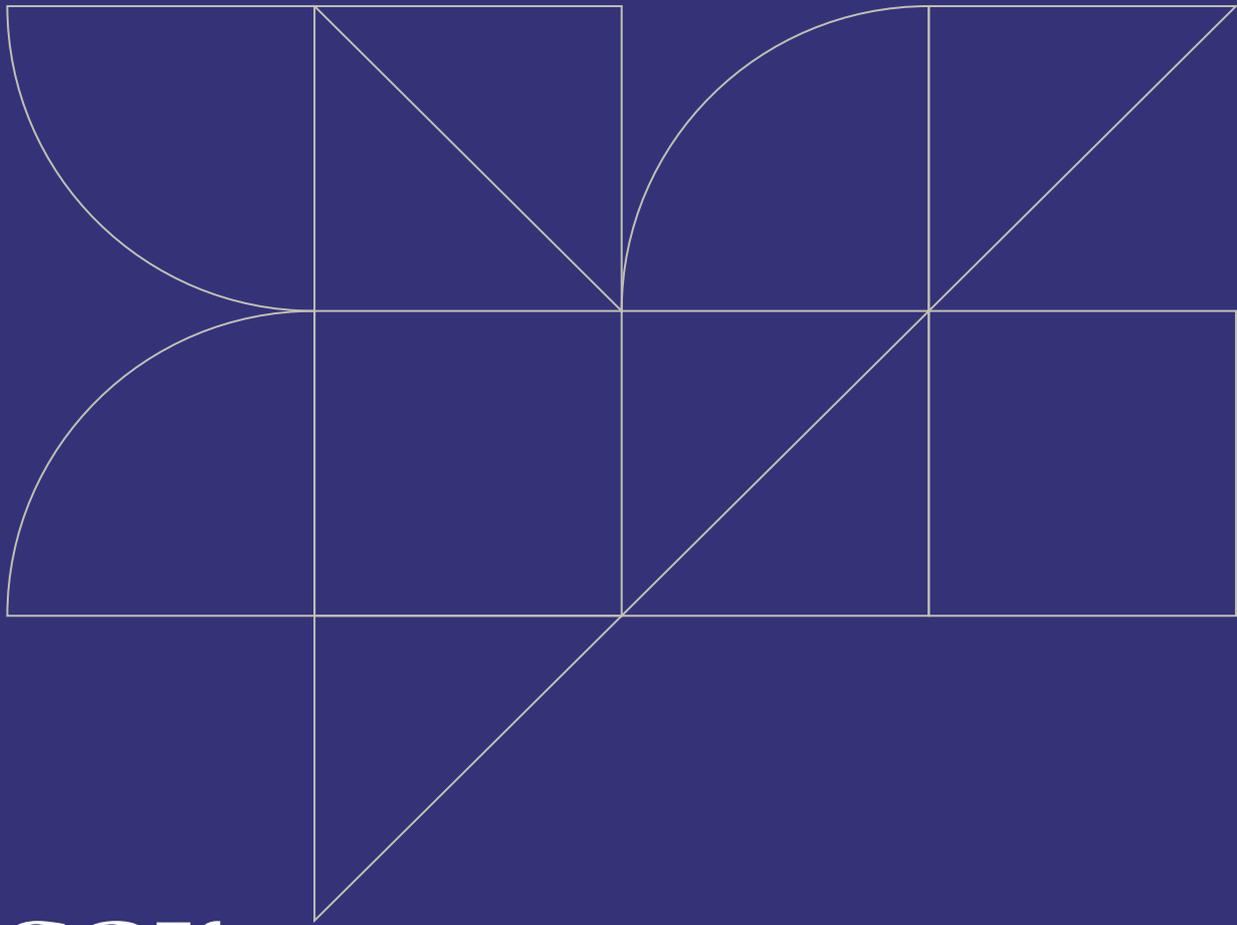
- Implemented multi-cloud DRaaS architecture using Azure, AWS, and Iron Mountain
- Implemented a new AWS setup
- Replicated data from Azure to AWS and later copied from AWS to Iron Mountain for a long-term archive
- Scheduled the right policies as per business requirement
- Employed a one-click replication mechanism
- Configured four copies of data



Impact

Superior experiences and faster innovation

- Realized an 80 percent reduction in administration efforts
- Empowered the business to innovate 4x faster with the agile DB ecosystem
- Helped effectively compete with startups while gaining a competitive edge over a diversified business landscape
- Enabled the delivery of superior products and experiences 2x faster
- Attained 4x efficiency improvement in acquiring and retaining customers
- Achieved a 3x increase in realizing synergies with complex M&A
- Reduced burst cost by 75 percent with a cloud-ready reference architecture for data centers



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