

Case Study

# How a Financial Institution Overcame Legacy DR Limitations with AWS

ClearScale implemented a Zerto-powered recovery solution integrated with AWS networking and security best practices.

## Client Profile

**Industry** Financial Services

**Technology** Networking Disaster Recovery Microsoft Workloads Operational Optimization Resilience Financial Services

## Overview

A financial institution faced growing concerns with its legacy disaster recovery (DR) setup. The existing solution was costly, difficult to manage, and not designed to meet modern compliance and recovery objectives. ClearScale designed and implemented a cloud-based disaster recovery solution on AWS, powered by Zerto and integrated with secure networking. The new system delivered greater resiliency, improved compliance, and faster recovery.

## Meet Our Hero:

This financial institution is responsible for safeguarding sensitive data and ensuring seamless service continuity for customers. Its legacy disaster recovery environment was not keeping up with evolving compliance requirements and posed risks to business continuity.

Recovery processes were complex, time-consuming, and difficult to validate. The company recognized that its outdated approach left it vulnerable to disruptions and needed a modern cloud-based DR solution that could improve security, compliance, and recovery time.

## The Goal

- Implement a modern, cloud-based disaster recovery solution
- Replicate workloads to AWS for greater resiliency
- Ensure compliance and improve security posture
- Meet recovery time objectives and simplify testing
- Reduce operational risk and overhead

## The Challenge

- Challenge 01**  
Legacy disaster recovery environment was expensive and difficult to manage
- Challenge 02**  
Recovery processes were complex and error-prone
- Challenge 03**  
Compliance and security requirements were increasingly difficult to meet
- Challenge 04**  
Lack of automation and resiliency created operational risk
- Challenge 05**  
Needed a modern solution to safeguard critical workloads





## The Solution

ClearScale partnered with the financial institution to design and implement a Zerto-powered disaster recovery environment on AWS.

### Step 01: DR Environment Design and Network Implementation

- Built a dedicated AWS DR environment with Amazon VPC and Transit Gateway
- Established secure connectivity with Site-to-Site VPN

### Step 02: Networking and Security Integration

- Applied AWS IAM, Security Groups, and NACLs for granular access control
- Ensured compliance with financial services regulations

### Step 03: Zerto Replication Setup

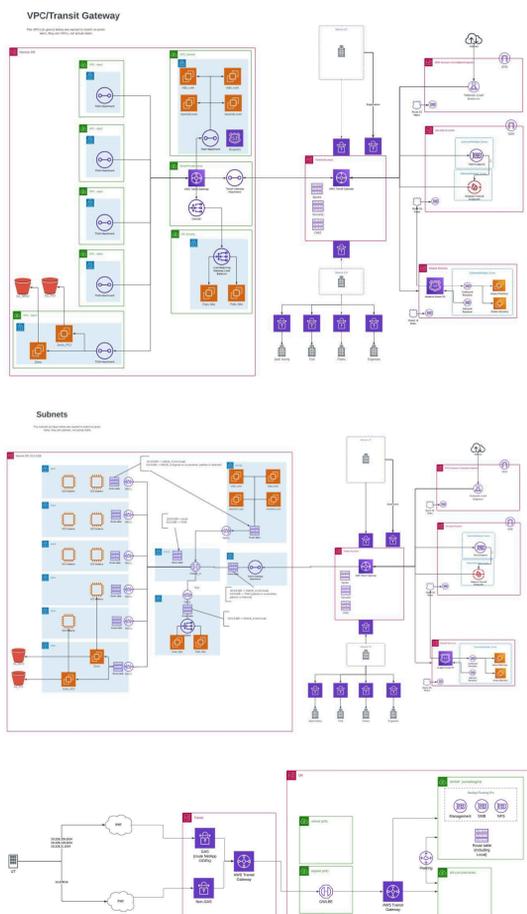
- Deployed Zerto for workload replication between on-premises and AWS
- Enabled near-real-time replication and rapid failover

### Step 04: Supporting Services Deployment

- Configured Amazon EC2 instances to host DR workloads
- Integrated supporting AWS services to complete the architecture

### Step 05: Collaboration and Knowledge Transfer

- Worked closely with client's internal teams to test and validate recovery
- Transferred knowledge to internal teams to ensure self-sufficiency



## The Impact

Modern cloud-based DR environment built on AWS

Improved resiliency with near-real-time replication

Enhanced compliance and security posture through AWS best practices

Simplified recovery testing and validation processes

Reduced operational risk, safeguarding critical workloads

## Turn Cloud Chaos Into Clear Results On AWS

ClearScale helps financial institutions break free from cloud chaos and experience clear results on AWS. Improving resiliency, compliance, and security while reducing cost and complexity. If your legacy DR environment is holding you back, let's talk.

Talk to an Engineer

