



# South Carolina State Credit Union Supports Core Banking with Zerto

## Executive Overview

South Carolina State Credit Union (SCSCU) manages over \$1 billion in assets for its 85,000 members. With such high stakes, SCSCU needed a modern IT infrastructure that provided rapid recovery and always-on confidence for banking services.

To achieve this, they built two new data centers, one for offsite disaster recovery (DR) and another for production at headquarters. To migrate and protect their new IT infrastructure, SCSCU turned to Zerto, a Hewlett Packard Enterprise company.

## Challenges

- Migrate production VMs from the DR site and old production site to the new production site
- Migrate partial data center from the old production site to the new DR site
- Guarantee always-on service for its members
- Safeguard IT environment with a reliable emergency failover solution

## Solution

- Use Zerto for migration
- Protect core banking services with Zerto continuous data protection
- Facilitate compliance with Zerto automated failover

## Results



### A fully modernized IT infrastructure

SCSCU relies on Zerto's long-term retention and immediate failover to provide their always-on service.



### Core production workload secured

SCSCU protects more than 80% of their applications with Zerto, including databases, banking software, and Veritas.



### Compliance, simplified

With automated failover testing and reporting, SCSCU easily performs annual failovers and demonstrates compliance without the hassle of manual documentation.

## From Tape-Based Backup to the Future

Established in 1952, SCSCU now serves more than 85,000 South Carolinians across 20 branches throughout the state. With competitive rates, personalized service, and a member-owned structure, SCSCU has grown to manage more than \$1.3 billion in assets today.

To protect their members and assets, SCSCU is modernizing their IT infrastructure. They need reliable emergency failover and the promise of always-on confidence for their members.

“Our customers, our bankers always need access to their money,” said Wilson Chow, Systems Engineer at SCSCU. “We can’t tell them that we’re going to be down a few hours or days. Our core system can’t afford to be down.”

But RPOs of hours to days are what they were potentially facing with their previous system, tape-based backup. Wilson felt that relying on tape drives for backup, retention, and restoration was a gamble that SCSCU couldn’t afford.

“We needed something that would only take a few minutes to no more than a couple of hours to fail over and be back up and running immediately,” said Chow.

In addition, SCSCU’s two new data centers for production and DR demanded significant migration support. SCSCU initially tried to do a test migration with VMware’s vMotion, but found that it completely bogged down their network when applied to their production server.

### Heading into the Future with Zerto

SCSCU chose Zerto among Barracuda, Arconis, and Veritas’s Backup Exec. In the end, Zerto’s industry-leading recovery times sealed the deal. “We liked what we saw as far as RTOs and RPOs,” said Chow. “So that’s what we went with.”

Zerto replaced SCSCU’s tape-disk backup, providing them with long-term retention and immediate failover. In Chow’s estimation, there’s no comparison between other products and the instantaneous restores Zerto provides with its journal-based technology for continuous data protection.

SCSCU uses Zerto to protect up to 80% of its applications, including core databases, core banking software, and other software like Velocity. Right now, this means protecting 40+ virtual machines (VMs).

However, Chow is using the bulk of Zerto’s bandwidth to support a hefty migration. With two new data centers for production and disaster recovery going up, SCSCU is using Zerto to move all VMs from the old production site to their new DR site.

“Zerto allows the replication of the bits and bytes over before we do failover,” says Chow.

Once SCSCU’s migration is complete and Zerto is protecting the new production site, Chow sees the number of replicated VMs rising to 25–30.

As far as being able to be back up live and running within hours, there was no comparison to Zerto.

Wilson Chow  
Systems Engineer,  
South Carolina State Credit Union

Beyond DR and migration, Chow has found success using Zerto for failover testing. As a financial services organization, SCSCU must prove regular compliance checks on its IT processes and DR capability. With Zerto's automated failover testing and reporting, SCSCU is able to easily perform annual failovers and demonstrate compliance with automatic, quick documentation.

As it heads into the future, SCSCU will use its upgraded IT infrastructure—including two new data centers and Zerto's industry-leading DR—to continue serving the residents of South Carolina and growing its member base. With Zerto supporting their migration, production environment, and regular failover and compliance efforts, SCSCU will find their goal that much easier to achieve.

## About Zerto

Zerto, a Hewlett Packard Enterprise company, empowers customers to run an always-on business by simplifying the protection, recovery, and mobility of on-premises and cloud applications. Zerto eliminates the risk and complexity of modernization and cloud adoption across private, public, and hybrid deployments. The simple, software-only solution uses continuous data protection at scale to solve for ransomware resilience, disaster recovery, and multi-cloud mobility. Zerto is trusted by over 9,500 customers globally and is powering offerings for Amazon, Google, IBM, Microsoft, and Oracle and more than 350 managed service providers. [www.zerto.com](http://www.zerto.com)