

Case Study



SECURING NEXT-GENERATION CLOUD ENABLED BY REDUXIO STORAGE

Industry: Finance | **Location:** North America | **Use Cases:** Private Cloud, Security Protection

KEY HIGHLIGHTS

Challenges

- Time consuming data recovery in case of data corruption or malware issues.
- Rack space and power issues in the data center.
- Slow applications performance.

Solution

- Accelerated applications by deploying Reduxio HX550 enterprise flash storage.
- Reduced rack space and power requirements using the highly-dense Reduxio HX550 and its NoDup® global dedupe and compression.
- Complemented threat management solution with instant recovery of data using Reduxio BackDating™.

Benefits

3X Faster Response



Flash-first architecture provides quick response time to VMs and applications.

2X More Dense



Compared to previous hyper-converged cluster.

1 sec Recovery



Instantaneous restore with no setup required.



KEY HIGHLIGHTS



\$1 billion in assets under management



Originated as Bank of America's venture capital firm



39 Exits, aggregate market cap \$18.5 billions



Investors in Box.com, DocuSign, HubSpot, Chef and more

The Scale VP ENVIRONMENT

Established in 2000 as BA Ventures - Bank of America's in-house venture capital firm, Scale Venture Partners is today a leading Silicon Valley based venture capital firm that invests primarily in early in-revenue technology companies with a focus on Internet, cloud computing, software as a service (SaaS) and mobile products.

ScaleVP had built its IT operations using a combination of public cloud, SaaS solutions, and on-premise virtualized infrastructure. More specifically, applications requiring compliance to regulations and tight security were implemented onsite, consolidated on KVM-based hyper-converged cluster.

Keeping Up with Security Threats

As a financial institution, ScaleVP's requirements for security and confidentiality provide a holistic approach to information protection. The network and services at ScaleVP are constantly monitored and analyzed using a unified security management solution with an outsourced 24x7 operations center. However, with the recent increase of security attacks on enterprises, additional concerns were raised of the long data recovery time in case of a successful malware attack. In addition, there was a need to reduce the energy and space footprint of the data center and increase applications performance.

Exploring Solutions

With the help of Echo Technology Solutions, a leading technology services provider, ScaleVP reviewed various solutions that could meet their density, performance and security requirements.

Expanding the capacity of the existing hyper-converged solution would have required a lot more rack space. Replacing the existing solution with another hyper-converged solution was outside the budget allocated for the project. During the evaluation of legacy hybrid storage solutions they found that these solutions required performance tuning including selectively enabling or disabling data reduction.

ScaleVP and EchoTS also explored the possibility of immediate recovery from malware attacks. While security solutions offered sophisticated threat detection and remediation, they realized that in case these measures failed, the existing mechanism for data recovery would cause huge amount of data loss and would require long and tedious manual restore of servers, applications and user data.

“I realized that only Reduxio offered the unique capability to recover data at one second granularity with no setup, and that this would be a life saver to recover in case we face a malware attack.”

Zach Boewer, VP of IT at Scale Venture Partners

ScaleVP selected the Reduxio HX550. The simple installation process and the ease of use concluded to a very positive overall experience. Since the system surpassed the other alternatives in terms of power and rack space efficiency, and was the only one providing the ability to recover data from all times, the choice was clear.

Density, Performance and Ultimate Protection

Using BackDating, ScaleVP could recover from inadvertent changes to data and malicious attacks in practically no time and without any additional hardware or software. Other solutions would have required additional components, and add up considerable administrative overhead. BackDating is both intuitive and immediately available to use out of the box.

“Now we can not only detect attacks, but recover from them in a second without losing precious working hours or actual information.”

Zach Boewer, VP of IT at Scale Venture Partners

The Reduxio HX550 also dramatically improved the VM performance and at the same time offered a lot more capacity than the hyper-converged cluster it replaced, for less rack space.

The ScaleVP private cloud was quickly migrated from the KVM-based hyper-converged cluster to VMware vSphere and the Reduxio HX550. Applications are running faster than on the previous infrastructure, with consistent low latency. Data recoveries are performed using BackDating.

During the implementation phase the team at ScaleVP required some assistance and contacted Reduxio Support and was thrilled from the quality and response time.

“Our experience with Reduxio Support was as good as you can expect. We get to talk to a support engineer right away, we are guided on the solution, and they stay with us on the line until resolution.

I love it when you call support, and someone answers, and then gives you the direct line back to them for any follow-up. That really means a lot to me.”

Zach Boewer, VP of IT at Scale Venture Partners

SOLUTION COMPONENTS

Reduxio Products

- Reduxio HX550 storage system
- Reduxio StorApp for VMware vSphere

Environment

- Cisco® Meraki core switches
- VMware® ESXi 6.0 cluster
- Microsoft® Windows Server 2012 R2
- Microsoft Exchange