SCALE COMPUTING
MAKE OUR *EDGE* YOUR ADVANTAGE

Industry Solution Brief:
Retail

THE COMPETITIVE EDGE

Future-Ready Store Infrastructure Delivers the IT Goods

Today's retail environment is all about delivering an extraordinary customer experience. You can deliver a more seamless, personalised experience, and spend less time managing infrastructure.

Combining virtualisation, IoT, and edge computing with an adaptable infrastructure, Scale Computing Platform helps streamline retail IT operations at the storefront level, facilitates automation for remote sites, and centralises management, all while lowering costs.

Security and Compliance at Scale

Retailers process high volumes of sensitive data, from credit card transactions and loyalty programs to employee records and store analytics. This makes them prime targets for ransomware and cyberattacks, and subject to strict regulatory requirements like PCI DSS.

SC//Platform is designed with security at its core, helping retailers meet compliance mandates while minimising risk. It reduces the attack surface, enforces role-based access controls, and eliminates third-party software layers that can introduce vulnerabilities, all while operating securely in distributed store environments.

- Hardened OS and built-in hypervisor reduce vulnerabilities across store systems
- Supports PCI DSS compliance across all store locations

Edge and AI for Real-Time Retail Insights

From foot traffic analytics to dynamic pricing and predictive inventory, AI is transforming the way retailers operate, and it often needs to run right where the action is: in the store.

SC//Platform provides the compute power and flexibility to support these workloads directly at the edge, enabling real-time processing without relying on cloud connectivity or centralised data centers.

- Run AI-powered video analytics for loss prevention and queue monitoring
- Process sensor data and IoT feeds locally for inventory and energy optimisation
- Run real-time applications, from smart shelves to demand forecasting, without cloud latency

Support for Legacy and Modern Retail Applications

Retail operations are powered by a mix of applications, some modern, some decades old. From custom-built POS systems and loyalty programs to modern e-commerce and supply chain tools, these workloads need infrastructure that can run them side-by-side without disruption.

SC//Platform supports both legacy and next-gen retail applications on a single, resilient platform. This enables IT teams to modernise gradually, consolidate hardware, and simplify operations across the board.

Streamlined Operations for Every Store

Combine traditional applications, such as point of sale, equipment monitoring, inventory management, building controls, and video surveillance, with transformative technologies like IoT, onto a single platform. SC//Platform eliminates discrete systems running single operational applications and data silos, which hinder advancements in operational efficiency, functional collaboration, and creation of new services.

- Deploys in less than an hour
- Single pane, web-based management
- Automated storage management
- No-downtime system updates for hardware and software
- Single vendor support experience

Always-On Infrastructure for Continuous Retail

In today's 24/7/365 retail world, IT systems can't afford downtime. SC//Platform was designed to be highly available, no matter what happens. Even if a hardware component fails, or the entire appliance breaks down, the cluster can keep your systems running with little or no downtime. Keep your business moving with a system that won't let you down.

- Redundant critical hardware components
- Automatic VM failover from a failed appliance
- Automatic data restriping for failed disks
- Highly available VMs
- Intelligent self-healing automation
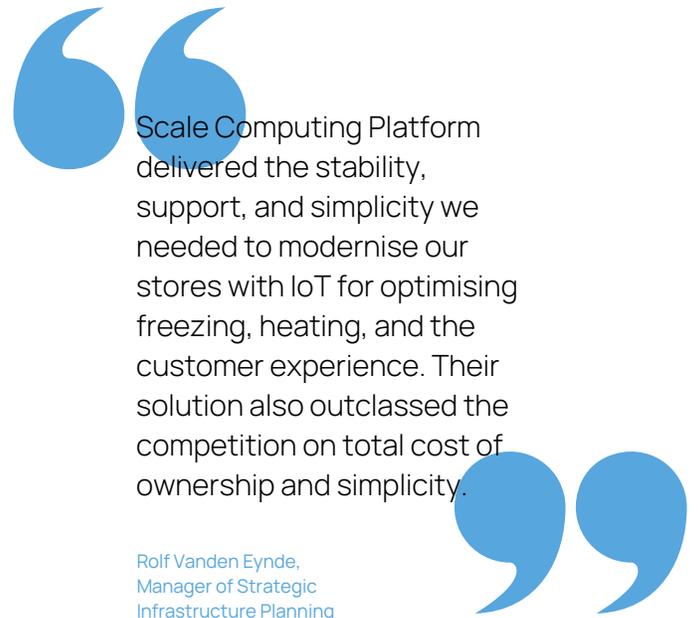- Replicate and failover to remote systems

Flexible Growth Without Disruption

Whether you're opening new stores, rolling out in-store technology upgrades, or preparing for seasonal surges, SC//Platform makes it easy to scale your infrastructure strategically—without over provisioning or interrupting daily operations. SC//Platform eliminates discrete systems running single operational applications and data silos, which hinder advancements in operational efficiency, functional collaboration, and creation of new services.

- Scale-out without downtime
- Seamless scale-out with automated storage configuration
- Mix and match hardware appliances
- Scale-out for higher VM performance

Delhaize Deploys Edge Computing Across 6,700 Stores With Scale Computing and Lenovo

After careful evaluation, Delhaize decided a self-healing solution was the best approach for its retail stores, providing the edge computing infrastructure to support the company's current demands while paving the way for future applications and needs.

> Scale Computing Platform delivered the stability, support, and simplicity we needed to modernise our stores with IoT for optimising freezing, heating, and the customer experience. Their solution also outclassed the competition on total cost of ownership and simplicity.

Rolf Vanden Eynde,
Manager of Strategic
Infrastructure Planning

Gain the Competitive Edge with Scale Computing

Book a Demo

EDGE. CORE. CLOUD.