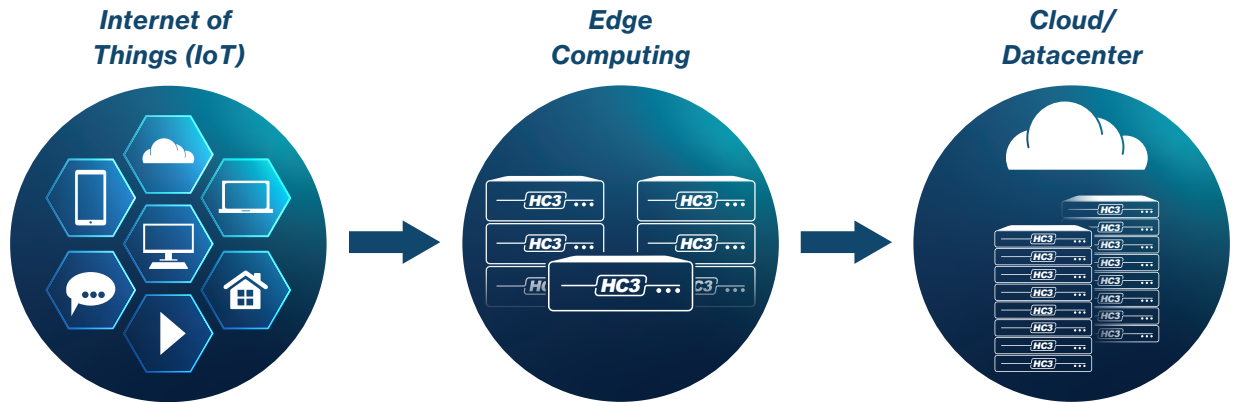## What is Edge Computing?

Edge computing describes a physical computing infrastructure, intentionally located outside the four walls of the datacenter, so storage compute resources can be placed where they are needed. Run on a small or tiny hardware footprint, infrastructure at the edge collects, processes and reduces vast quantities of data and can be further uploaded to either a centralized datacenter or the cloud. Edge computing acts as a high performance bridge from local compute to both private and public clouds.

Internet of Things (IoT) → **Edge Computing** → **Cloud/ Datacenter**

HC3 Use Cases

Edge computing is effective in nearly any type of industry where remote sites exist. These are some of the use cases where edge computing is a frequent need.

Retail
With dozens or hundreds of retail locations, retailers need reliable computing across the edges of their networks. Apps for PoS, inventory management, security, and more need maximum uptime.

Industrial
Manufacturing and other industrial processes can span across multiple sites with high-tech computing needs for equipment and personnel. Industrial IoT devices like sensors require on-site computing performance.

Finance
Banks and other financial institutions have multiple branch office requiring reliable computing to execute rapid, business-critical transactions.

ROBO
Any remote office or branch office locations at the edge of the network require computing resources that keep productivity online.

Mobile Platforms
Shipping vessels, ocean liners, offshore platforms, defense, and remote construction have computing needs that can go beyond the edge of most networks. Mobile systems need to be autonomous, not-reliant on stable external networks connections.

IoT
Any IoT deployment may require edge computing because direct-to-cloud communication may not be reliable or fast enough to process vast amounts of data or time-sensitive data.

Leadership in Edge Computing

Scale Computing is the leader in edge computing innovation. Scale Computing patented technology transforms isolated locations into unified, self-managing micro-datacenters for edge computing. When ease-of-use, high availability, and TCO matter, Scale Computing HC3 is the ideal infrastructure solution.

- *Over a decade of IT technology innovation*
- *Unique-in-the-industry, self-healing architecture powered by 24 patents*
- *Thousands of customer deployments, hundreds of published case studies*

Benefits of Edge Computing with HC3 Edge

HC3 is a powerful virtualization platform for running the workloads you require with high performance and efficiency.

Maximize Uptime

By means of Scale Computing patented HyperCore technology, machine intelligence is able to detect and mitigate infrastructure problems in real time. Combined with a clustered back-end architecture, this means applications stay running even as hardware problems arise or updates are applied.

Unified Platform Simplifies Deployment and Management

Eliminates silos of hardware and software. No VMware or hypervisor license is required. Self-healing, local high-availability, remote disaster recovery, and hybrid cloud capabilities are built-in and automated by HyperCore. Additional resources can be added without downtime. Sites can be managed individually or centrally, with complete flexibility in how sites are grouped, orchestrated, and monitored.

Extraordinarily Easy

HC3 systems can be deployed in minutes, and preconfigured to avoid lengthy on-site resources during initial deployment. No specialized training or certification is required, as the platform is designed as intuitive as a smartphone but as powerful as a full data center. No on-site IT expertise is required.

Fantastic Economics

HC3 provides the lowest edge acquisition and deployment cost in the world. Typical customer reduces on-going management costs by 60-80% due to HC3 automation and machine intelligence. No virtualization licensing costs. Eliminate the cost of multiple silos of infrastructure hardware and software components. Reduce or eliminate the need for 4-hour onsite support. A single management interface can handle from one to thousands of deployments, and the HC3 platform can grow from the smallest edge location to the largest centralized datacenter under a single architecture.

"The Scale Computing HC3 software, in combination with Lenovo servers and switches, delivered the stability, support, and simplicity we needed. The solution outclassed competition on total cost of ownership and simplicity."

Rolf Vanden Eynde
Head of Infrastructure Innovation
Delhaize
(An Ahold Delhaize Company)

Find Out More About HC3 Edge - Request A Demo

Scale Computing is at the forefront of making edge computing more accessible and more affordable for organizations of any size. We'd like to help you succeed with your current and future edge computing projects. For more information or to request a demo, contact us at: 877.SCALE.59 or visit *www.scalecomputing.com*.

About Scale Computing

Scale Computing HC3 software eliminates traditional virtualization software, disaster recovery software, servers, and shared storage, replacing these with a fully integrated, highly available system for running applications. Using patented HyperCore™ technology, the HC3 self-healing platform automatically identifies, mitigates, and corrects problems in the infrastructure in real-time, enabling applications to achieve maximum uptime even when local IT resources and staff are scarce, making it the ideal application platform for distributed enterprises, global retailers, and SMBs alike. Scale Computing is the highest rated and best reviewed HCI solution by happy customers in *Gartner Peer Insights*, *Spiceworks*, *TechValidate*, and *TrustRadius*.

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