Scale Computing Industry Solution Brief: Healthcare

Made for the IT Infrastructure Demands of Healthcare

Nowhere is IT efficiency, simplicity, and reliability more critical than in the field of healthcare. With the need to manage and utilize extensive volumes of data, combined with the challenge of interoperability between systems and rigorous compliance requirements, healthcare IT has grown increasingly complex and difficult to manage. This complexity feeds the two biggest IT costs: Downtime and personnel. The cure? Intelligent infrastructure made possible by Scale Computing Platform, designed with ease of use, reliability, and scalability in mind.

Simplicity

Scale Computing helped coin the term "hyperconvergence" in its goal to simplify day-to-day IT infrastructure management. Eliminating multiple virtualization infrastructure vendors makes SC//Platform easier to deploy and manage. Ownership of the entire storage, servers, and hypervisor stack allows for high levels of automation to eliminate tedious management tasks. IT administrators can spend less time managing infrastructure and more time on projects that will move their business forward.

- Deploys in less than an hour
- Create new VMs in minutes
- Single pane, web-based management
- Cloud-based remote site and workload management
- Automated storage management
- No-downtime system updates for hardware and software
- Single vendor support experience

High Availability

In today's 24/7/365 world, healthcare providers can't afford IT infrastructure downtime. SC//Platform was designed from the ground up to be highly available. Even if a hardware component fails, or an entire appliance, a cluster can keep your systems running with little or no downtime.

- Redundant critical hardware components
- Automatic failover of applications from a failed appliance
- Automatic data restriping for failed disks
- Highly available VMs/applications
- Intelligent self-healing automation
- Integrated disaster recovery, backup, replication and failover to remote systems

"Our vision is to be THE national model for patient centered care. An integral part of that process is ensuring that our IT systems can keep up with our growing staff and patient needs. With the help of SC//Platform, our small IT department has found the bandwidth needed to not only keep us running, but developed new programs and processes that help us move toward our vision."

– Renee Jensen, CEO - Summit Pacific Medical Center

Scalability

Traditionally, infrastructure scale-out has been so challenging that organizations planned and purchased infrastructure to accommodate growth up to five years in advance. Edge computing and smaller remote sites create new challenges with restrictions on physical size, power, noise, and manageability. With SC//Platform, you buy only what you need and then scale-out seamlessly when you need it.

- Scale-out without downtime
- Seamless scale-out with automated storage configuration
- Mix and match hardware appliances
- Small, single server deployments through large clusters
- Scale-out for higher VM performance

Support Wherever You Need It

In the healthcare sector and at the edge, IT administrators need a partner in the datacenter, at the office, and at every clinic, lab, and neighborhood hospital. Think of our ScaleCare Support and Professional Services teams as an extension of your system, providing essential service and support wherever you need it.

Why Scale Computing Platform?

SC//Platform requires less time and expertise to deploy, manage, maintain, and scale-out when needed. No other infrastructure solution is easier to use, and that translates into big cost savings.

Scale Computing HyperCore™ eliminates the need for traditional IT silos of virtualization software, disaster recovery software, servers, and shared storage, replacing these with a fully integrated, highly available platform for running applications. Using patented HyperCore technology, the self-healing software 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.

Paris Community Hospital Finds a Cure for IT Problems

Paris Community Hospital was seeking to simplify the management of its IT assets and reduce the time and effort expended on maintaining the environment. With an IT department of four staff to manage 500 machines, the organization was finding it difficult to provide timely and efficient service to users.

Get the whole story

"Using some of the other solutions we researched, it would of meant doubling our IT staff from four to eight, which would have been a huge extra expense. But Scale Computing is so easy to use we don't need any extra staff, in fact it's so efficient we can leave it running, and focus on other areas of the business."

– Edgar Weeks, Information Services Manager - Paris Community Hospital